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

Cover Page

Order ID : P4473

Project ID : 86 Davidson Road, Piscataway, NJ

Client : Yannuzzi Group, Inc.

Lab Sample Number	Client Sample Number
P4473-01	TS-1

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: 10/26/2024

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 #: **P4473**

	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: **MAYUR DESAI** **Date:** **10/26/2024**

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

LAB CHRONICLE

OrderID:	P4473	**OrderDate:**	10/21/2024 3:15:00 PM
Client:	Yannuzzi Group, Inc.	**Project:**	86 Davidson Road, Piscataway, NJ
Contact:	Rafael Nunez	**Location:**	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4473-01	**TS-1**	**SOIL**			**10/18/24**			**10/21/24**
			VOC-TCLVOA-10	8260D			10/24/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**TS-1**							
P4473-01	TS-1	SOIL	Ethanol, 2-(trimethylsilyl)-	* 11.3	J	0	0	ug/Kg
			Total Tics :	11.3				
			Total Concentration:	11.3				

QC SUMMARY

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

Surrogate Summary

SDG No.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4473-01	TS-1	1,2-Dichloroethane-d4	50	52.3	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.8	98	70 (54)	130 (147)
		Toluene-d8	50	50.4	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	35.3	71	70 (29)	130 (146)
VY1024SBL01	VY1024SBL01	1,2-Dichloroethane-d4	50	55.7	111	70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98	70 (54)	130 (147)
		Toluene-d8	50	50.4	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	39.8	80	70 (29)	130 (146)
VY1024SBS01	VY1024SBS01	1,2-Dichloroethane-d4	50	50.5	101	70 (50)	130 (163)
		Dibromofluoromethane	50	51.2	102	70 (54)	130 (147)
		Toluene-d8	50	50.4	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.9	98	70 (29)	130 (146)
VY1024SBSD01	VY1024SBSD01	1,2-Dichloroethane-d4	50	52.3	105	70 (50)	130 (163)
		Dibromofluoromethane	50	51.7	103	70 (54)	130 (147)
		Toluene-d8	50	49.6	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.3	97	70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020003.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBS01	Dichlorodifluoromethane	20	17.0	ug/Kg	85			40 (64)	160 (136)	
	Chloromethane	20	19.3	ug/Kg	97			40 (70)	160 (130)	
	Vinyl chloride	20	20.6	ug/Kg	103			70 (72)	130 (129)	
	Bromomethane	20	21.9	ug/Kg	110			40 (58)	160 (141)	
	Chloroethane	20	22.0	ug/Kg	110			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.1	ug/Kg	106			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.7	ug/Kg	94			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	13.7	ug/Kg	69			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.4	ug/Kg	107			70 (77)	130 (129)	
	Methyl Acetate	20	20.4	ug/Kg	102			70 (69)	130 (149)	
	Methylene Chloride	20	21.3	ug/Kg	106			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	23.6	ug/Kg	118			70 (82)	130 (123)	
	Cyclohexane	20	19.2	ug/Kg	96			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.6	ug/Kg	108			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	22.0	ug/Kg	110			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	24.5	ug/Kg	123			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	23.0	ug/Kg	115			70 (80)	130 (126)	
	Methylcyclohexane	20	18.9	ug/Kg	95			70 (77)	130 (123)	
	Benzene	20	21.8	ug/Kg	109			70 (84)	130 (121)	
	1,2-Dichloroethane	20	23.2	ug/Kg	116			70 (81)	130 (126)	
	Trichloroethene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	23.4	ug/Kg	117			70 (83)	130 (122)	
	Bromodichloromethane	20	23.5	ug/Kg	117			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.5	ug/Kg	108			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	23.2	ug/Kg	116			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	22.4	ug/Kg	112			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.6	ug/Kg	108			70 (80)	130 (125)	
	Tetrachloroethene	20	19.7	ug/Kg	99			70 (83)	130 (125)	
	Chlorobenzene	20	22.0	ug/Kg	110			70 (84)	130 (122)	
	Ethyl Benzene	20	22.2	ug/Kg	111			70 (82)	130 (124)	
	m/p-Xylenes	40	43.3	ug/Kg	108			70 (83)	130 (124)	
	o-Xylene	20	22.1	ug/Kg	111			70 (83)	130 (123)	
	Styrene	20	21.9	ug/Kg	110			70 (82)	130 (124)	
	Bromoform	20	21.0	ug/Kg	105			70 (75)	130 (127)	
	Isopropylbenzene	20	22.9	ug/Kg	115			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	23.4	ug/Kg	117			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	22.3	ug/Kg	112			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	21.8	ug/Kg	109			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.8	ug/Kg	109			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020003.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1024SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020004.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1024SBSD01	Dichlorodifluoromethane	20	16.4	ug/Kg	82	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	17.5	ug/Kg	88	10		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	17.4	ug/Kg	87	17		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.4	ug/Kg	97	13		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.5	ug/Kg	93	17		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.9	ug/Kg	95	11		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/Kg	98	10		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	17.5	ug/Kg	88	7		70 (79)	130 (121)	30 (20)
	Acetone	100	100	ug/Kg	100	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	12.1	ug/Kg	61	12		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.7	ug/Kg	99	8		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.4	ug/Kg	97	5		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.2	ug/Kg	96	10		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	17.0	ug/Kg	85	16		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.6	ug/Kg	103	14		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.1	ug/Kg	86	11		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	10		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.9	ug/Kg	95	13		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95	15		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.2	ug/Kg	101	3		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.0	ug/Kg	105	16		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101	13		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	16.3	ug/Kg	81	16		70 (77)	130 (123)	30 (20)
	Benzene	20	18.5	ug/Kg	93	16		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	19.7	ug/Kg	99	16		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	17.7	ug/Kg	89	17		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	19.8	ug/Kg	99	17		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.1	ug/Kg	101	15		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	10		40 (70)	160 (135)	30 (20)
	Toluene	20	18.3	ug/Kg	92	17		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	18.0	ug/Kg	90	14		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	18.7	ug/Kg	94	14		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	14		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.0	ug/Kg	95	16		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	18.1	ug/Kg	91	17		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	17.7	ug/Kg	89	11		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	19.2	ug/Kg	96	14		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.0	ug/Kg	95	16		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	37.8	ug/Kg	95	13		70 (83)	130 (124)	30 (20)
	o-Xylene	20	18.9	ug/Kg	95	16		70 (83)	130 (123)	30 (20)
	Styrene	20	18.8	ug/Kg	94	16		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.4	ug/Kg	92	13		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.2	ug/Kg	101	13		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.6	ug/Kg	108	8		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.0	ug/Kg	95	16		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.1	ug/Kg	96	13		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97	12		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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.: P4473

Client: Yannuzzi Group, Inc.

Analytical Method: SW8260D **Datafile :** VY020004.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1024SBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	7		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	17.8	ug/Kg	89	14		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	17.4	ug/Kg	87	14		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1024SBL01

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020002.D Lab Sample ID: VY1024SBL01

Date Analyzed: 10/24/2024 Time Analyzed: 10:58

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
VY1024SBS01	VY1024SBS01	VY020003.D	10/24/2024
VY1024SBSD01	VY1024SBSD01	VY020004.D	10/24/2024
TS-1	P4473-01	VY020005.D	10/24/2024

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: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

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: **VY020000.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: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020000.D BFB Injection Date: 10/24/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:35

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	59.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	68.6 (96.5) 1
177	5.0 - 9.0% of mass 176	4.9 (7.2) 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	VY020001.D	10/24/2024	10:18
VY1024SBL01	VY1024SBL01	VY020002.D	10/24/2024	10:58
VY1024SBS01	VY1024SBS01	VY020003.D	10/24/2024	11:43
VY1024SBSD01	VY1024SBSD01	VY020004.D	10/24/2024	12:06
TS-1	P4473-01	VY020005.D	10/24/2024	12:36

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: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020001.D Date Analyzed: 10/24/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:18

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	232783	7.71	418258	8.62	359637	11.42
UPPER LIMIT	465566	8.213	836516	9.116	719274	11.92
LOWER LIMIT	116392	7.213	209129	8.116	179819	10.92
EPA SAMPLE NO.						
TS-1	210153	7.71	419528	8.62	347384	11.42
VY1024SBL01	208622	7.71	444864	8.62	385664	11.42
VY1024SBS01	204148	7.71	362700	8.62	311120	11.41
VY1024SBSD01	225293	7.71	405827	8.62	339542	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: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG NO.: P4473

Lab File ID: VY020001.D Date Analyzed: 10/24/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:18

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

	IS4 AREA #	RT #				
12 HOUR STD	173628	13.346				
UPPER LIMIT	347256	13.846				
LOWER LIMIT	86814	12.846				
EPA SAMPLE NO.						
TS-1	98425	13.35				
VY1024SBL01	125898	13.35				
VY1024SBS01	144922	13.35				
VY1024SBSD01	155771	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: **VY020005.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	48.8
Sample Wt/Vol:	4.99 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
VY020005.D	1		10/24/24 12:36	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	3.40	U	3.40	10.3	ug/Kg
74-87-3	Chloromethane	2.40	U	2.40	10.3	ug/Kg
75-01-4	Vinyl Chloride	1.60	U	1.60	10.3	ug/Kg
74-83-9	Bromomethane	2.10	U	2.10	10.3	ug/Kg
75-00-3	Chloroethane	2.10	U	2.10	10.3	ug/Kg
75-69-4	Trichlorofluoromethane	1.90	U	1.90	10.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	2.20	10.3	ug/Kg
75-35-4	1,1-Dichloroethene	1.60	U	1.60	10.3	ug/Kg
67-64-1	Acetone	12.8	U	12.8	51.3	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	10.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.40	U	1.40	10.3	ug/Kg
79-20-9	Methyl Acetate	3.70	U	3.70	10.3	ug/Kg
75-09-2	Methylene Chloride	7.00	U	7.00	20.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	10.3	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	10.3	ug/Kg
110-82-7	Cyclohexane	1.40	U	1.40	10.3	ug/Kg
78-93-3	2-Butanone	11.7	U	11.7	51.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	1.80	10.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.30	U	1.30	10.3	ug/Kg
74-97-5	Bromochloromethane	5.00	U	5.00	10.3	ug/Kg
67-66-3	Chloroform	1.40	U	1.40	10.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	10.3	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	1.80	10.3	ug/Kg
71-43-2	Benzene	1.50	U	1.50	10.3	ug/Kg
107-06-2	1,2-Dichloroethane	1.30	U	1.30	10.3	ug/Kg
79-01-6	Trichloroethene	1.50	U	1.50	10.3	ug/Kg
78-87-5	1,2-Dichloropropane	1.40	U	1.40	10.3	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	10.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	8.90	51.3	ug/Kg
108-88-3	Toluene	1.40	U	1.40	10.3	ug/Kg

Raw Data: **VY020005.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	48.8
Sample Wt/Vol:	4.99 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
VY020005.D	1		10/24/24 12:36	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.20	U	1.20	10.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.20	U	1.20	10.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	1.70	10.3	ug/Kg
591-78-6	2-Hexanone	9.80	U	9.80	51.3	ug/Kg
124-48-1	Dibromochloromethane	1.30	U	1.30	10.3	ug/Kg
106-93-4	1,2-Dibromoethane	1.60	U	1.60	10.3	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	1.80	10.3	ug/Kg
108-90-7	Chlorobenzene	1.50	U	1.50	10.3	ug/Kg
100-41-4	Ethyl Benzene	1.30	U	1.30	10.3	ug/Kg
179601-23-1	m/p-Xylenes	2.80	U	2.80	20.5	ug/Kg
95-47-6	o-Xylene	1.40	U	1.40	10.3	ug/Kg
100-42-5	Styrene	1.20	U	1.20	10.3	ug/Kg
75-25-2	Bromoform	1.70	U	1.70	10.3	ug/Kg
98-82-8	Isopropylbenzene	1.40	U	1.40	10.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	2.30	10.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	10.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	10.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	10.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.20	U	3.20	10.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.60	U	1.60	10.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	10.3	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.3		70 (29) - 130 (146)	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.713			
540-36-3	1,4-Difluorobenzene	420000	8.615			
3114-55-4	Chlorobenzene-d5	347000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	98400	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020005.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	10/18/24
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	10/21/24
Client Sample ID:	TS-1	SDG No.:	P4473
Lab Sample ID:	P4473-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	48.8
Sample Wt/Vol:	4.99 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
VY020005.D	1		10/24/24 12:36	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002916-68-9	Ethanol, 2-(trimethylsilyl)-	11.3	J		6.89	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020005.D
Acq On : 24 Oct 2024 12:36
Operator : SY/MD
Sample : P4473-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

Quant Time: Oct 24 14:35:08 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

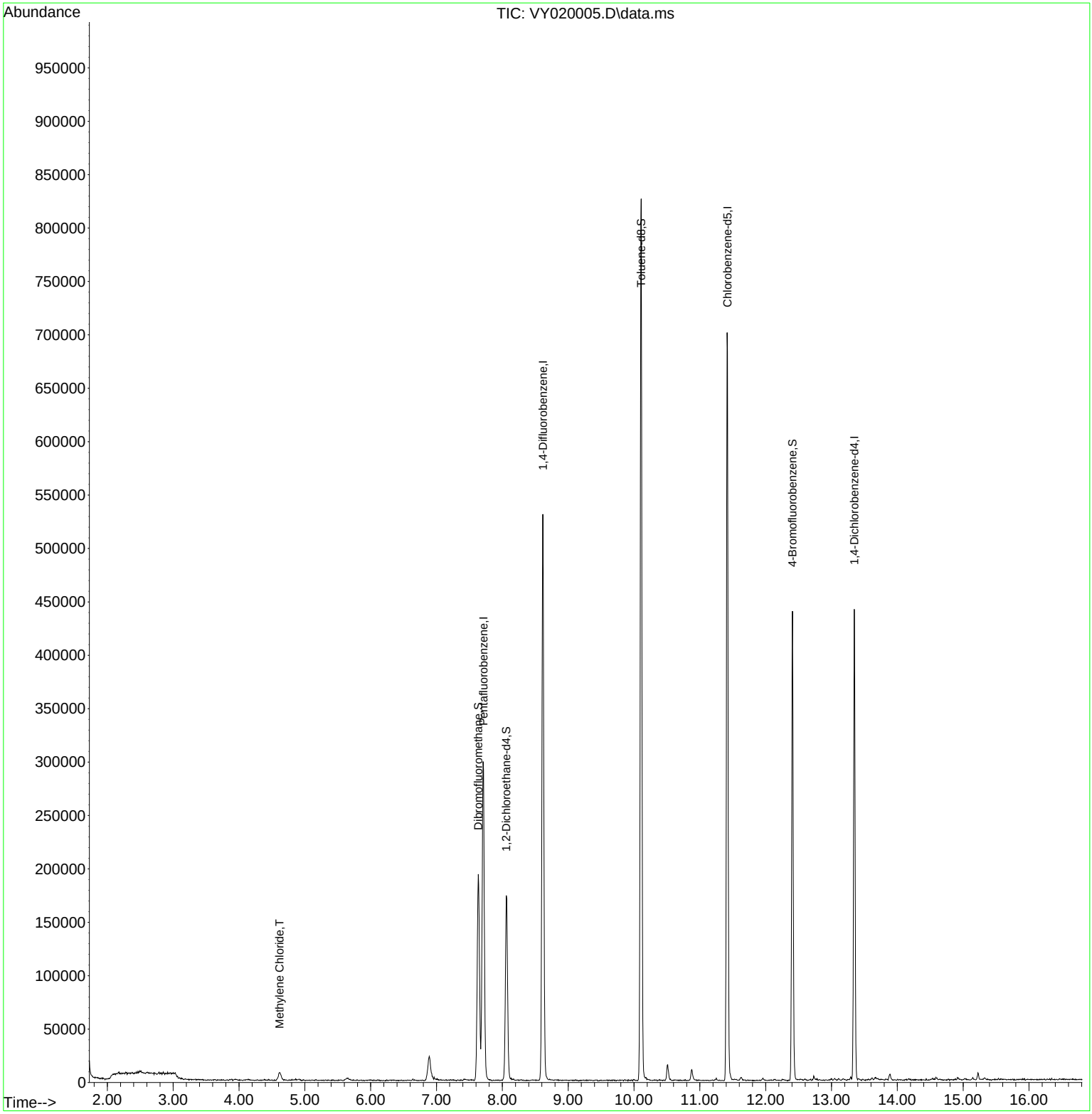
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	210153	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	419528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	347384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	98425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135198	52.248	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.500%			
35) Dibromofluoromethane	7.634	113	134985	48.759	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.520%			
50) Toluene-d8	10.109	98	515427	50.416	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.407	95	130372	35.293	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 70.580%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	4907	1.184	ug/l #	73

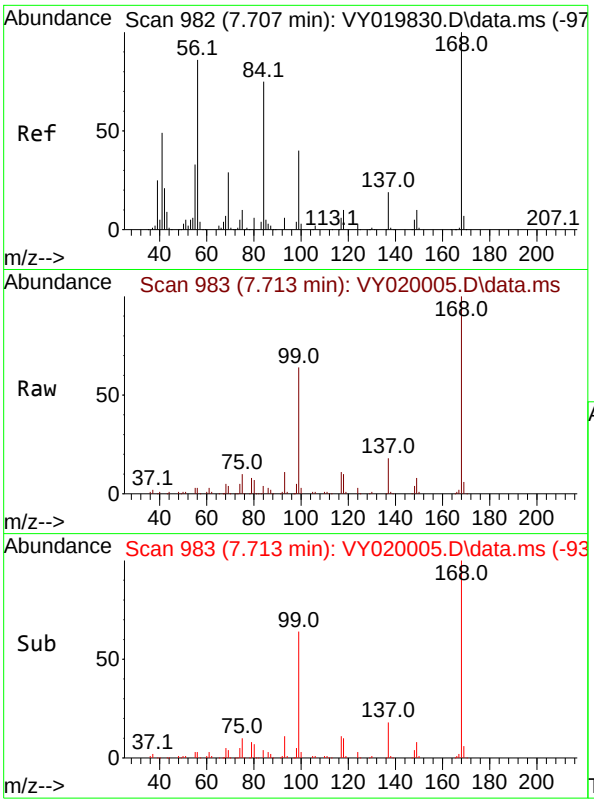
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020005.D
Acq On : 24 Oct 2024 12:36
Operator : SY/MD
Sample : P4473-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

Quant Time: Oct 24 14:35:08 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



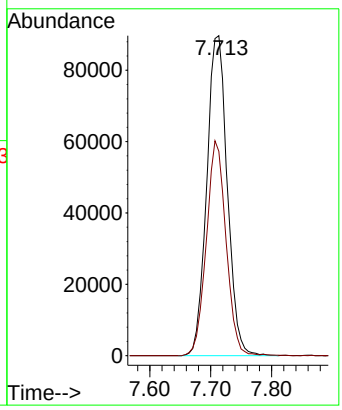


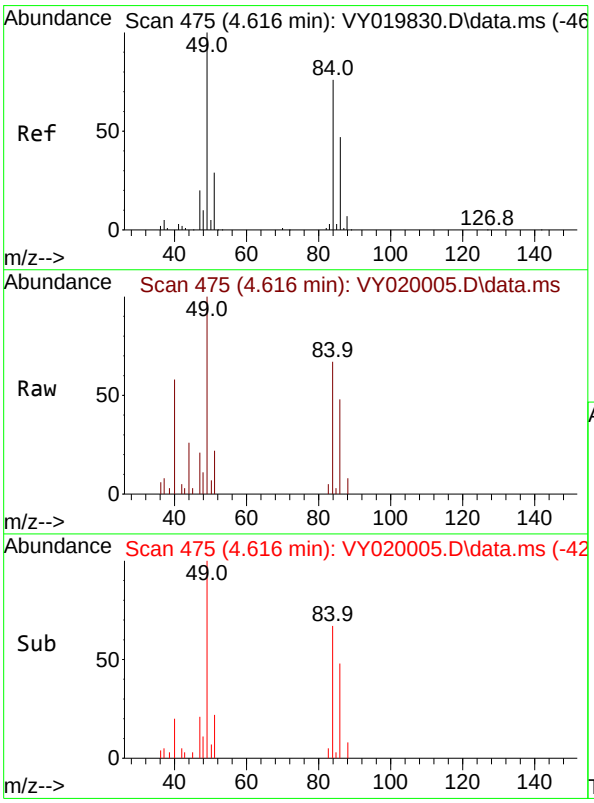
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

Tgt Ion:168 Resp: 210153

Ion	Ratio	Lower	Upper
168	100		
99	63.9	39.1	58.7#

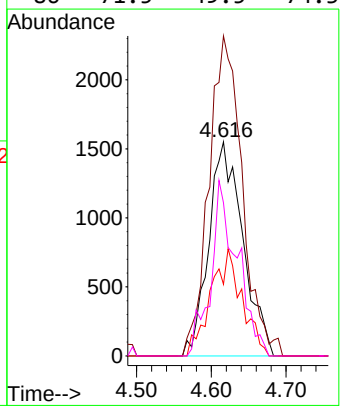


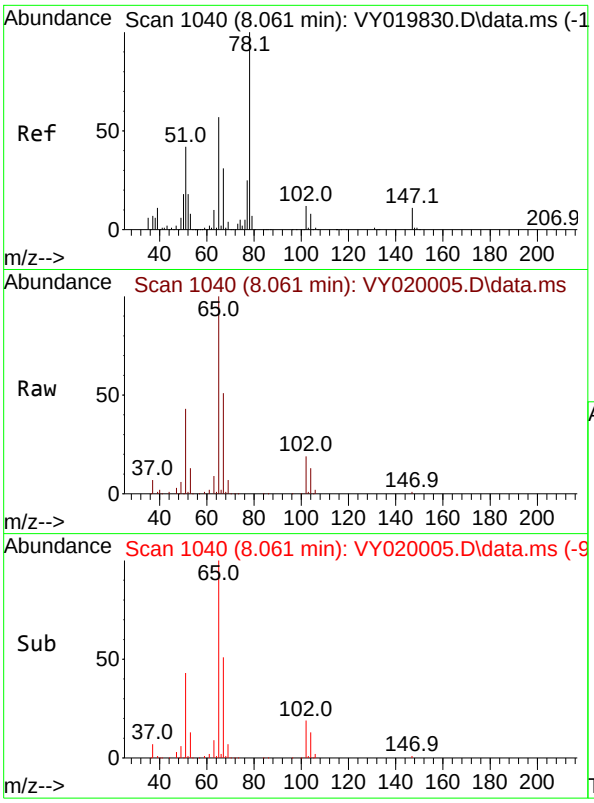


#20
Methylene Chloride
Concen: 1.184 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Tgt Ion: 84 Resp: 4907

Ion	Ratio	Lower	Upper
84	100		
49	149.5	84.4	126.6#
51	33.5	26.0	39.0
86	71.5	49.5	74.3



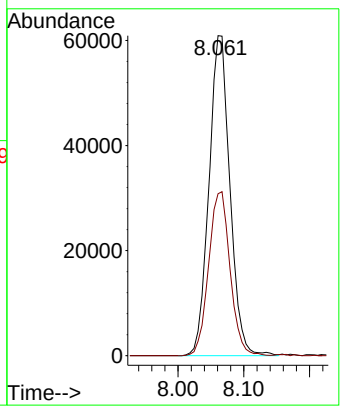


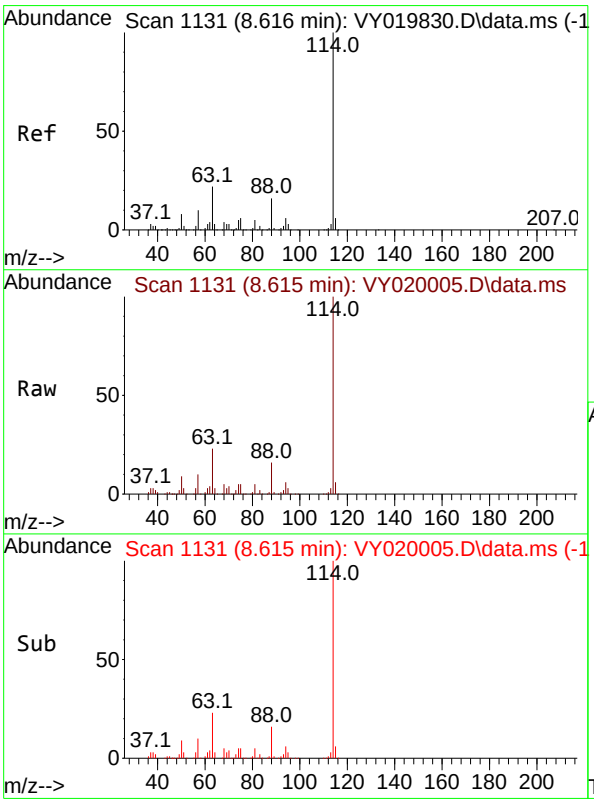
#33
1,2-Dichloroethane-d4
Concen: 52.248 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

Tgt Ion: 65 Resp: 135198

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	109.6

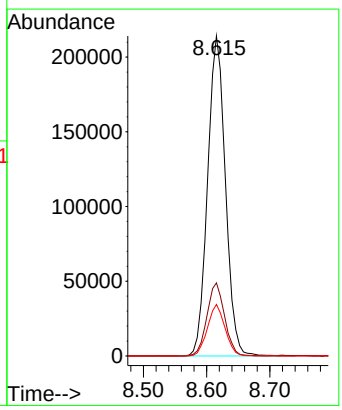


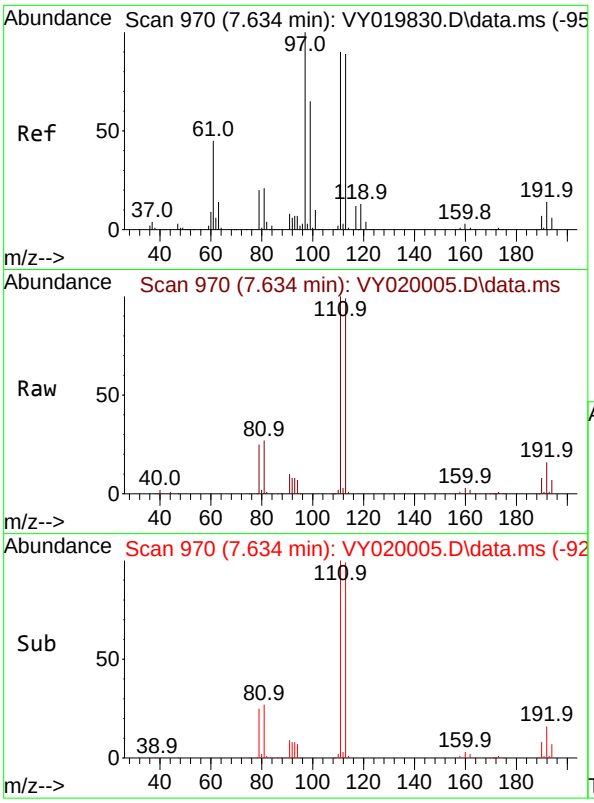


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Tgt Ion:114 Resp: 419528

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	35.0
88	16.1	0.0	27.2



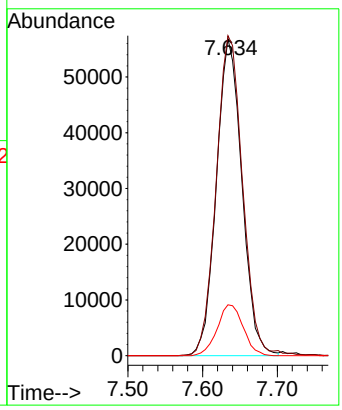


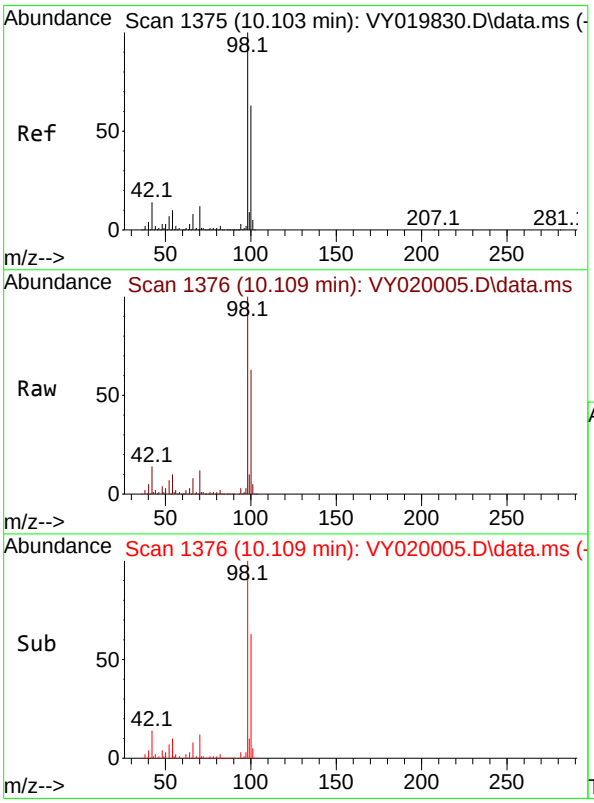
#35
Dibromofluoromethane
Concen: 48.759 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

Tgt Ion:113 Resp: 134985

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.2	123.4
192	16.4	15.9	23.9

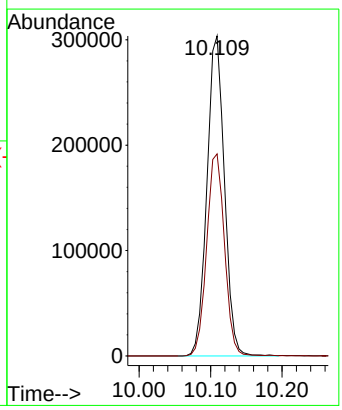


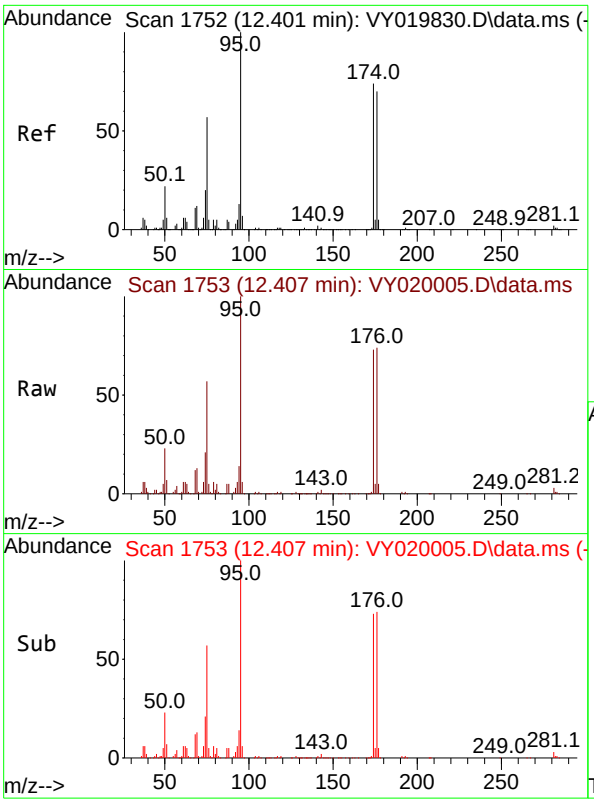


#50
Toluene-d8
Concen: 50.416 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Tgt Ion: 98 Resp: 515427

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



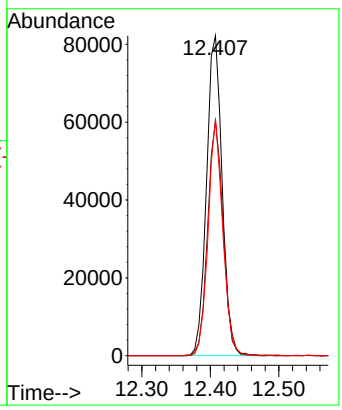


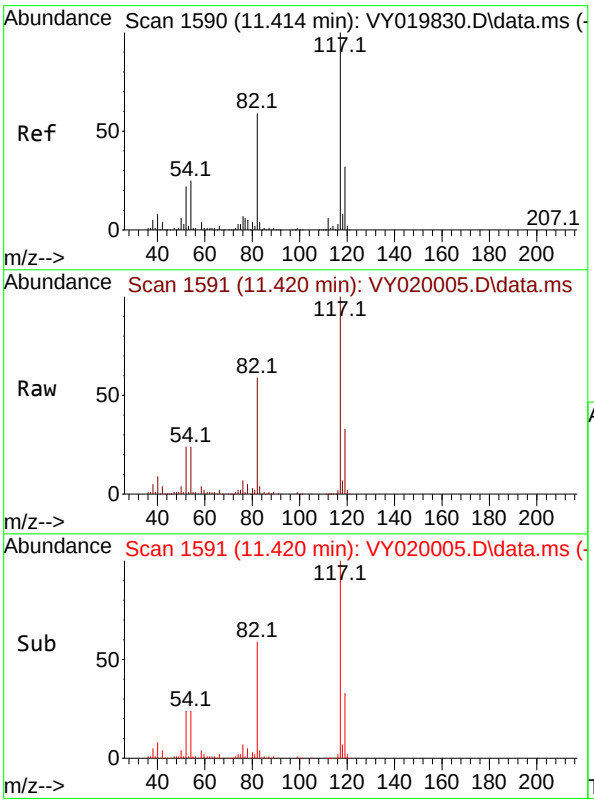
#62
4-Bromofluorobenzene
Concen: 35.293 ug/l
RT: 12.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

Tgt Ion: 95 Resp: 130372

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	175.6
176	68.9	0.0	171.4

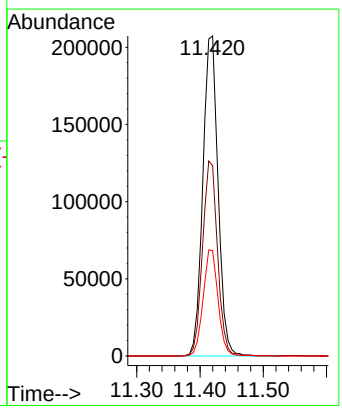


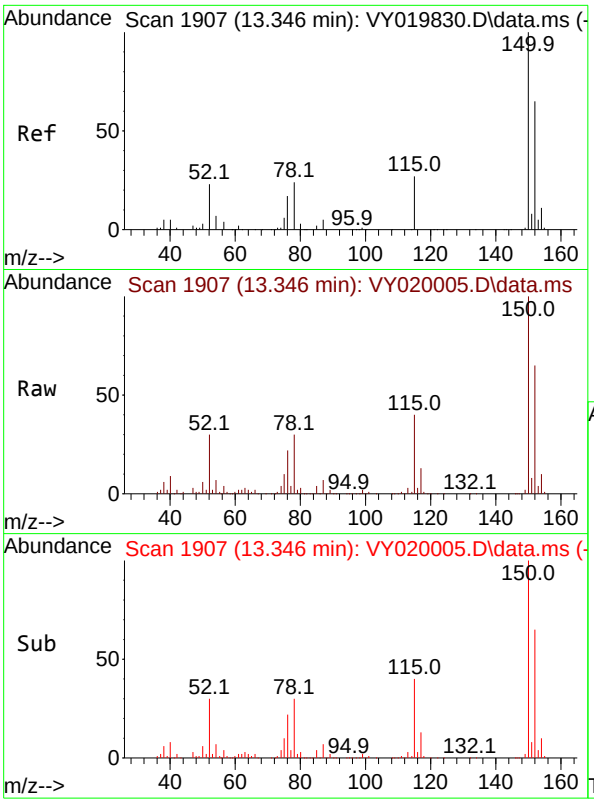


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Tgt Ion:117 Resp: 347384

Ion	Ratio	Lower	Upper
117	100		
82	59.5	42.4	63.6
119	33.0	25.9	38.9



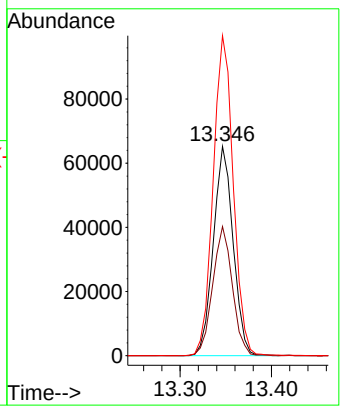


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020005.D
Acq: 24 Oct 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

Tgt Ion:152 Resp: 98425

Ion	Ratio	Lower	Upper
152	100		
115	61.3	28.2	84.7
150	155.1	0.0	345.6



Sample Results: **VY020005.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020005.D
Acq On : 24 Oct 2024 12:36
Operator : SY/MD
Sample : P4473-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

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

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

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

Signal : TIC: VY020005.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	485	rBV4	7553	24761	1.73%	0.367%
2	6.890	836	848	859	rBV2	22935	75667	5.29%	1.122%
3	7.634	959	970	976	rBV	193345	463722	32.42%	6.876%
4	7.707	976	982	996	rVB	298218	690726	48.29%	10.241%
5	8.061	1030	1040	1050	rBV	173150	394563	27.58%	5.850%
6	8.615	1121	1131	1146	rBV	530149	1051401	73.50%	15.589%
7	10.109	1367	1376	1386	rBV	825793	1430498	100.00%	21.210%
8	10.511	1435	1442	1448	rBV	14866	29067	2.03%	0.431%
9	10.877	1497	1502	1510	rBV2	9804	18719	1.31%	0.278%
10	11.414	1583	1590	1602	rBV	700429	1176785	82.26%	17.448%
11	12.407	1746	1753	1762	rBV	439400	712893	49.84%	10.570%
12	13.346	1900	1907	1915	rVB	440677	675639	47.23%	10.018%

Sum of corrected areas: 6744441

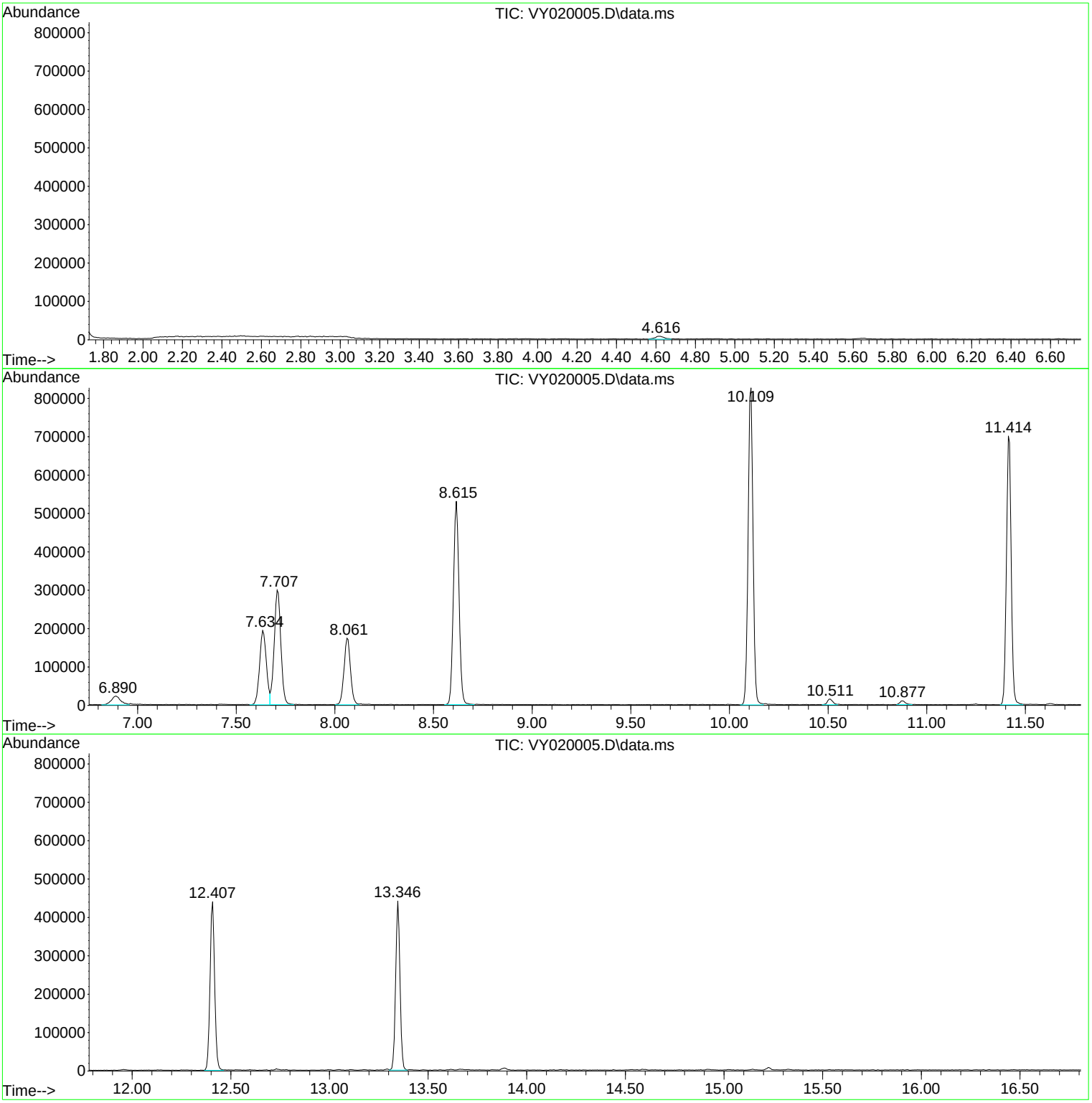
Sample Results: **VY020005.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020005.D
Acq On : 24 Oct 2024 12:36
Operator : SY/MD
Sample : P4473-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020005.D
Acq On : 24 Oct 2024 12:36
Operator : SY/MD
Sample : P4473-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

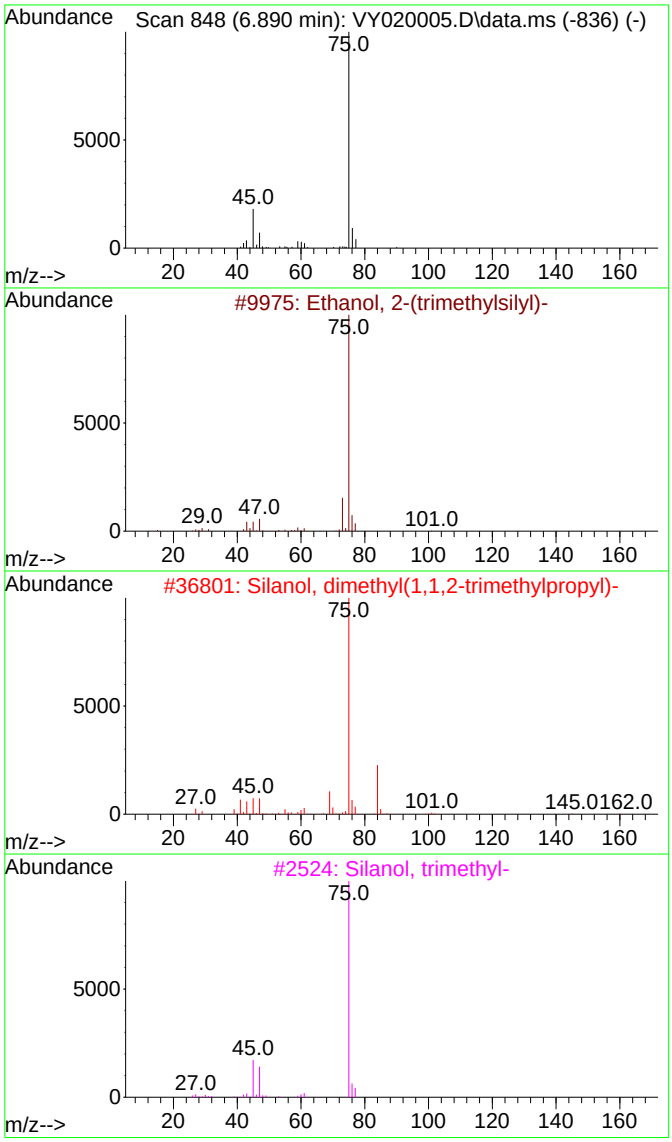
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

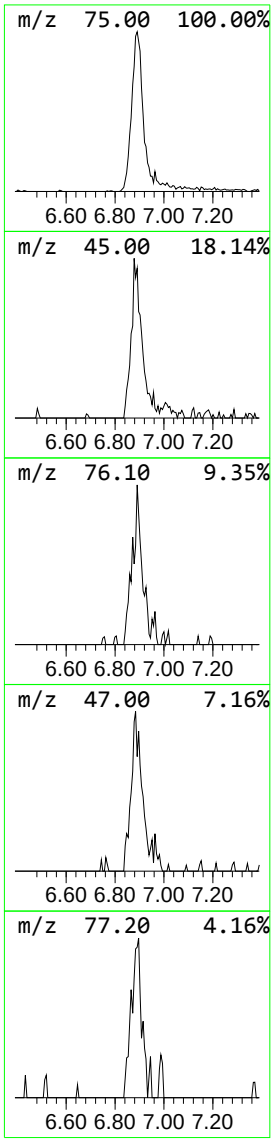
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethanol, 2-(trimethylsilyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.890	5.48 ug/l	75667	Pentafluorobenzene	7.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(trimethylsilyl)-	118	C5H14OSi	002916-68-9	64
2	Silanol, dimethyl(1,1,2-trimethy...	160	C8H20OSi	055644-10-5	64
3	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	56
4	Formamide, N-methylthio	75	C2H5NS	018952-41-5	40
5	Ethanethioamide	75	C2H5NS	000062-55-5	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020005.D
Acq On : 24 Oct 2024 12:36
Operator : SY/MD
Sample : P4473-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TS-1

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
Ethanol, 2-(tri...	6.890	5.5	ug/l	75667	1	7.713	690726	50.0

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

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: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

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

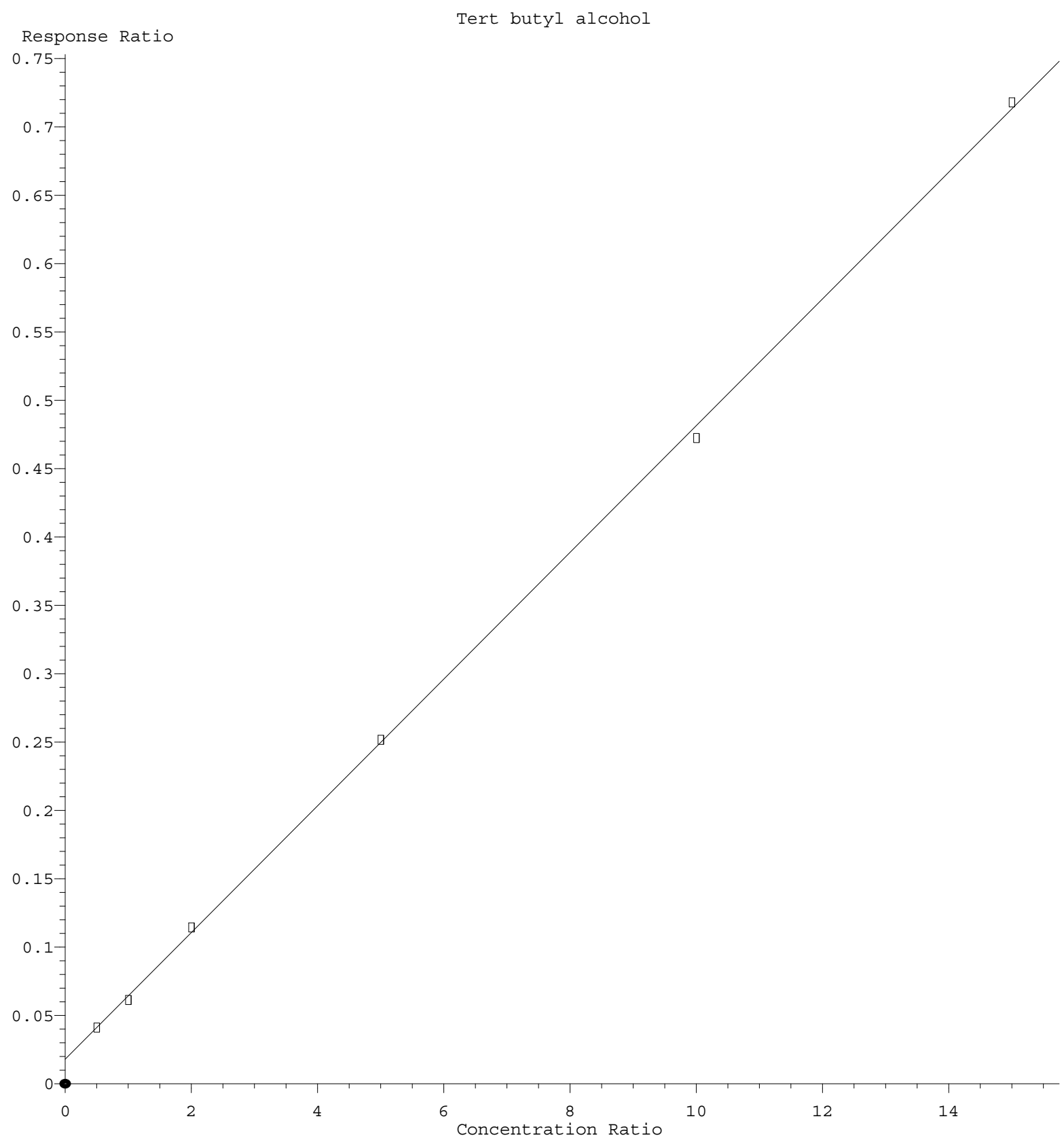
Calibration Files
5 =VY019827.D 10 =VY019828.D 20 =VY019829.D 50 =VY019830.D 100 =VY019831.D 150 =VY019832.D

		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

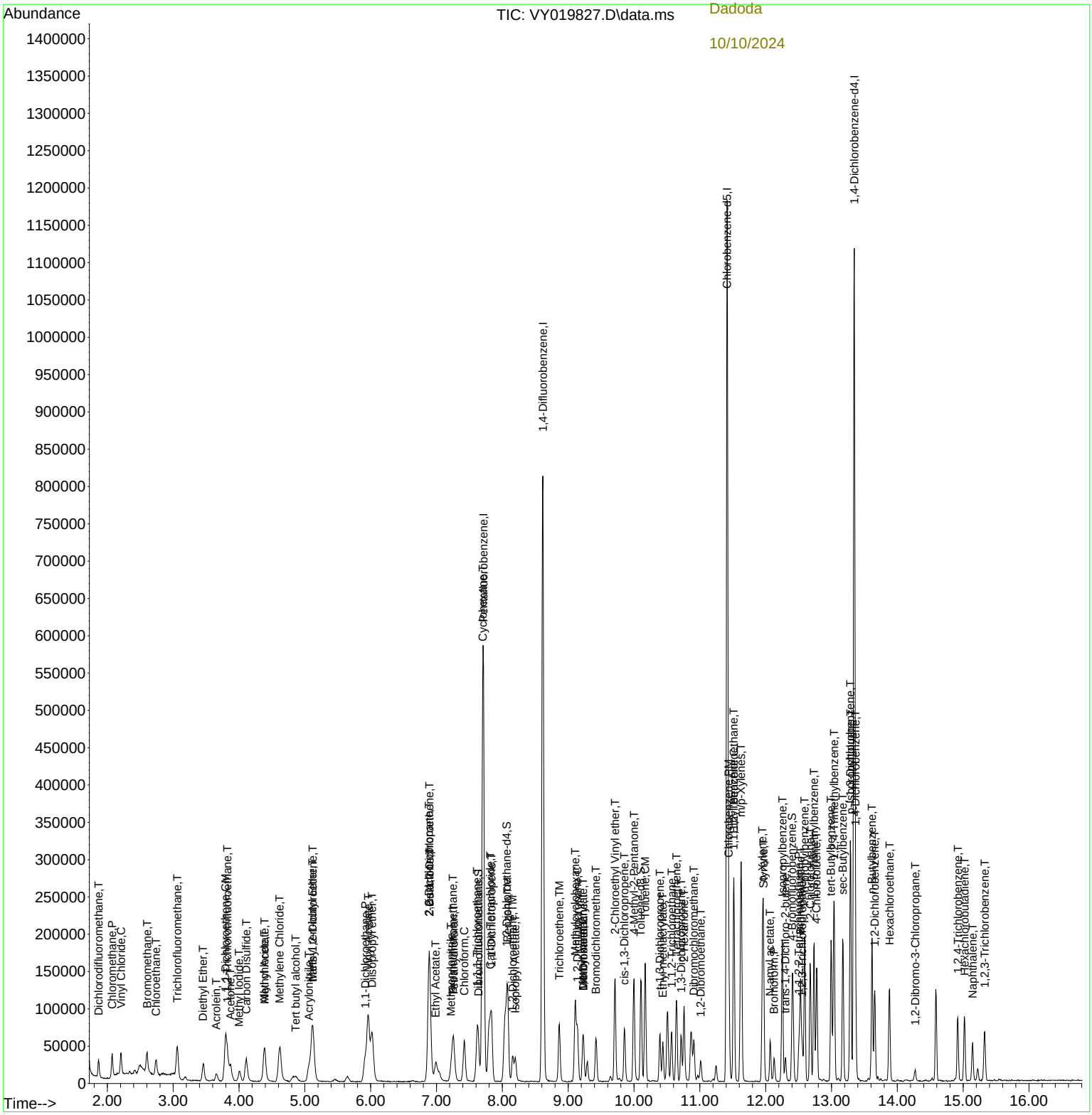
Manual Integrations APPROVED

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

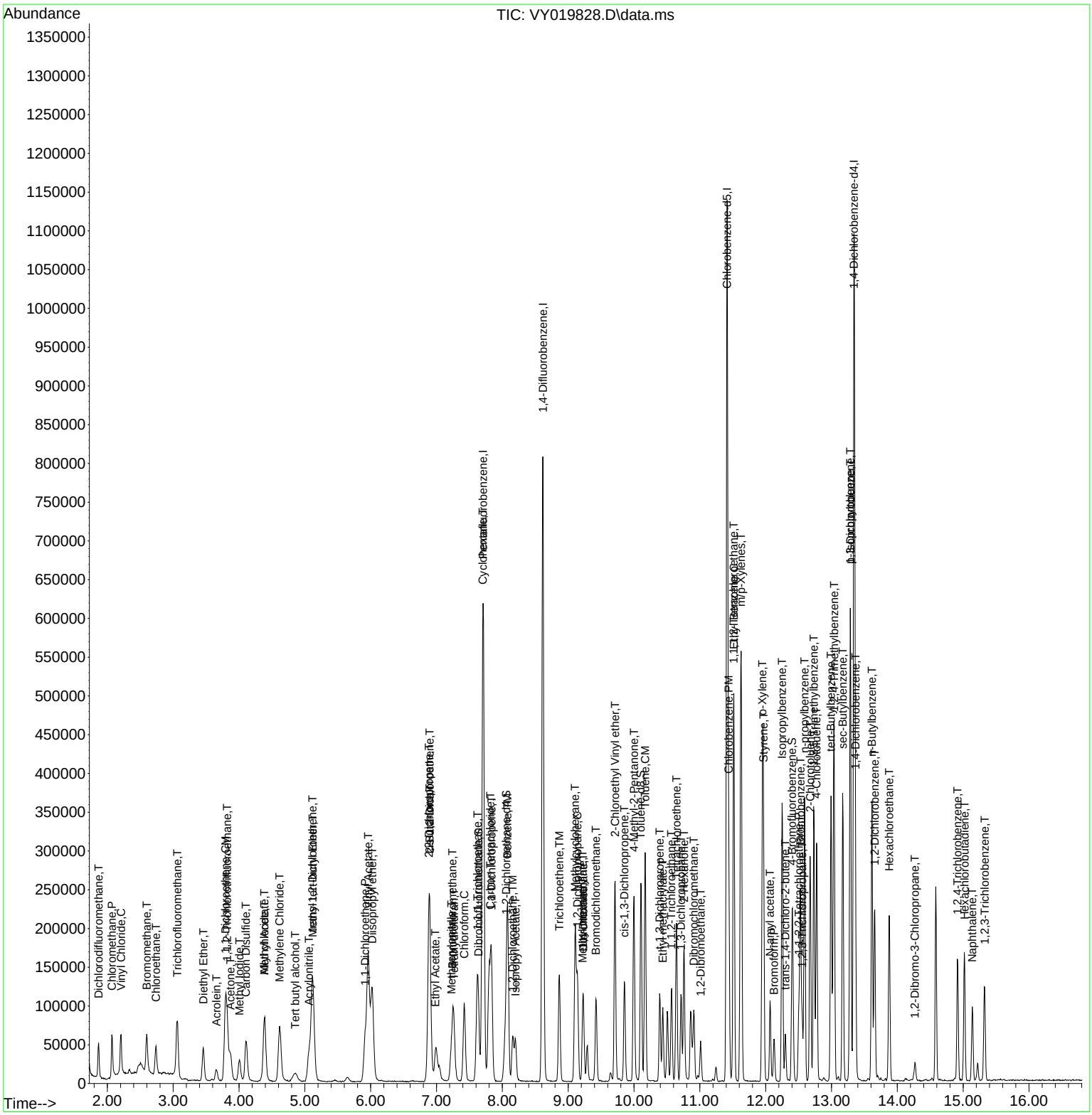
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019828.D
Acq On : 09 Oct 2024 10:41
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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

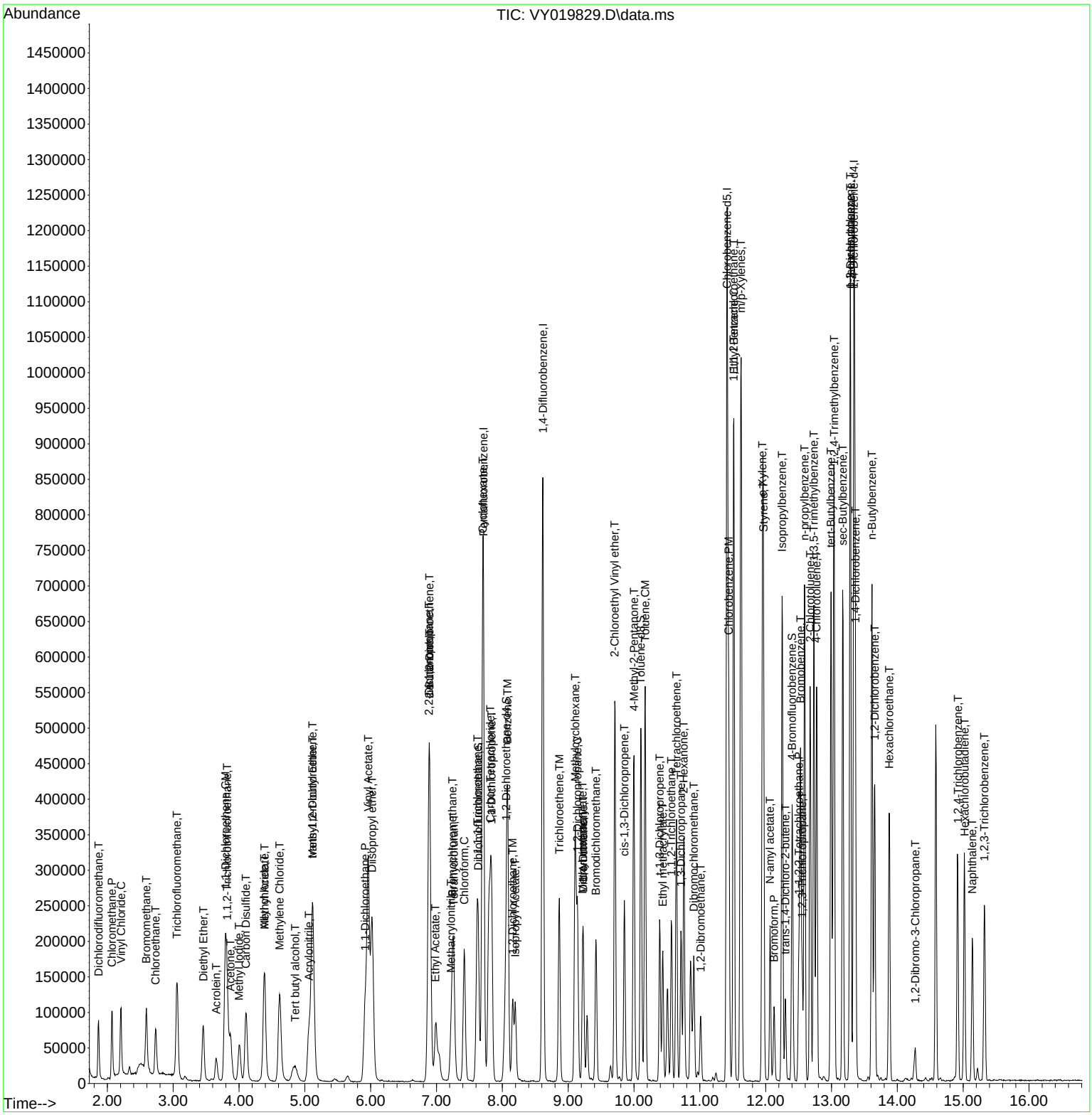
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019829.D
Acq On : 09 Oct 2024 11:04
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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

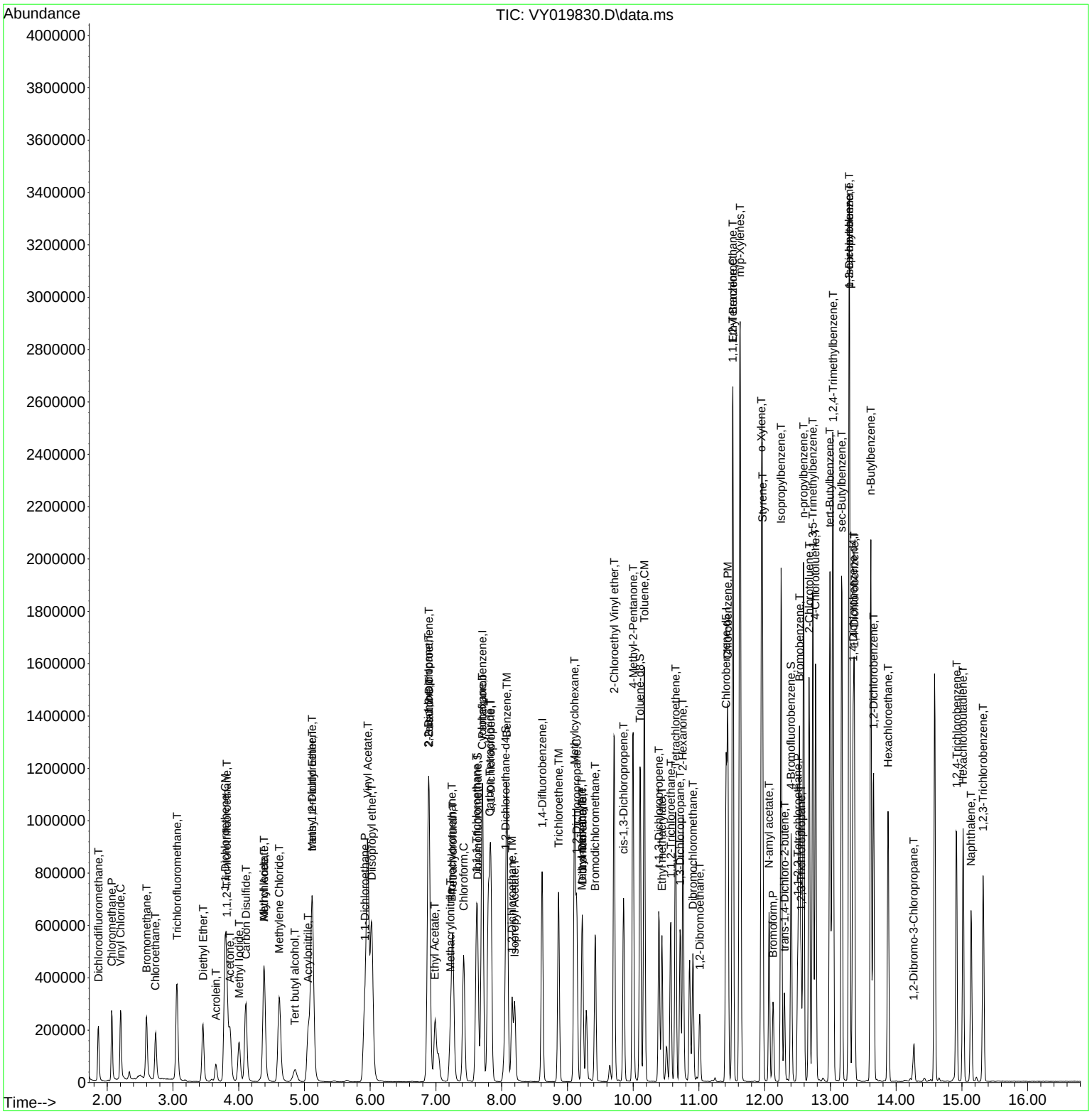
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019830.D
Acq On : 09 Oct 2024 11:26
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

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

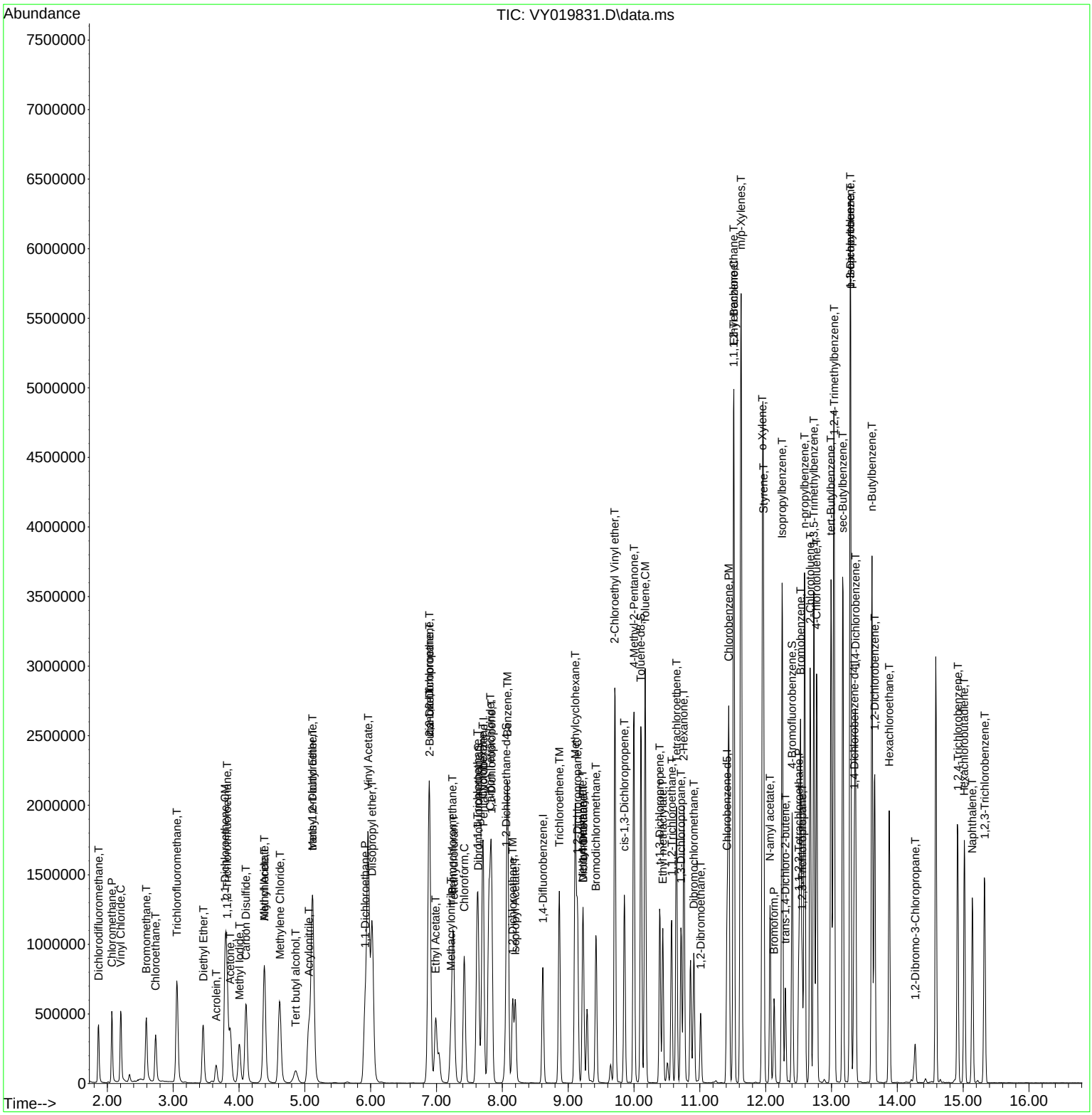
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019831.D
Acq On : 09 Oct 2024 11:49
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

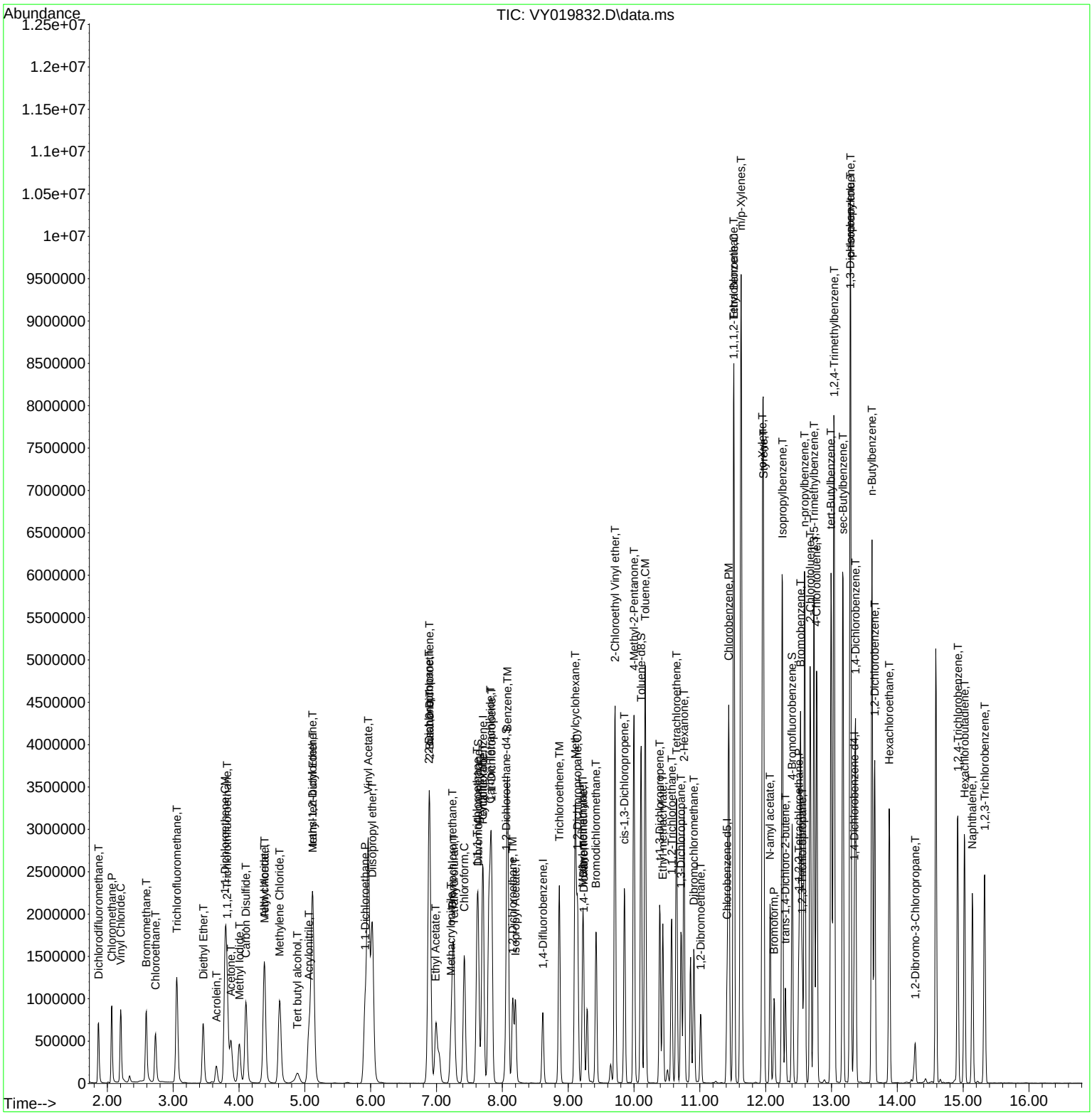
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019832.D
Acq On : 09 Oct 2024 12:11
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

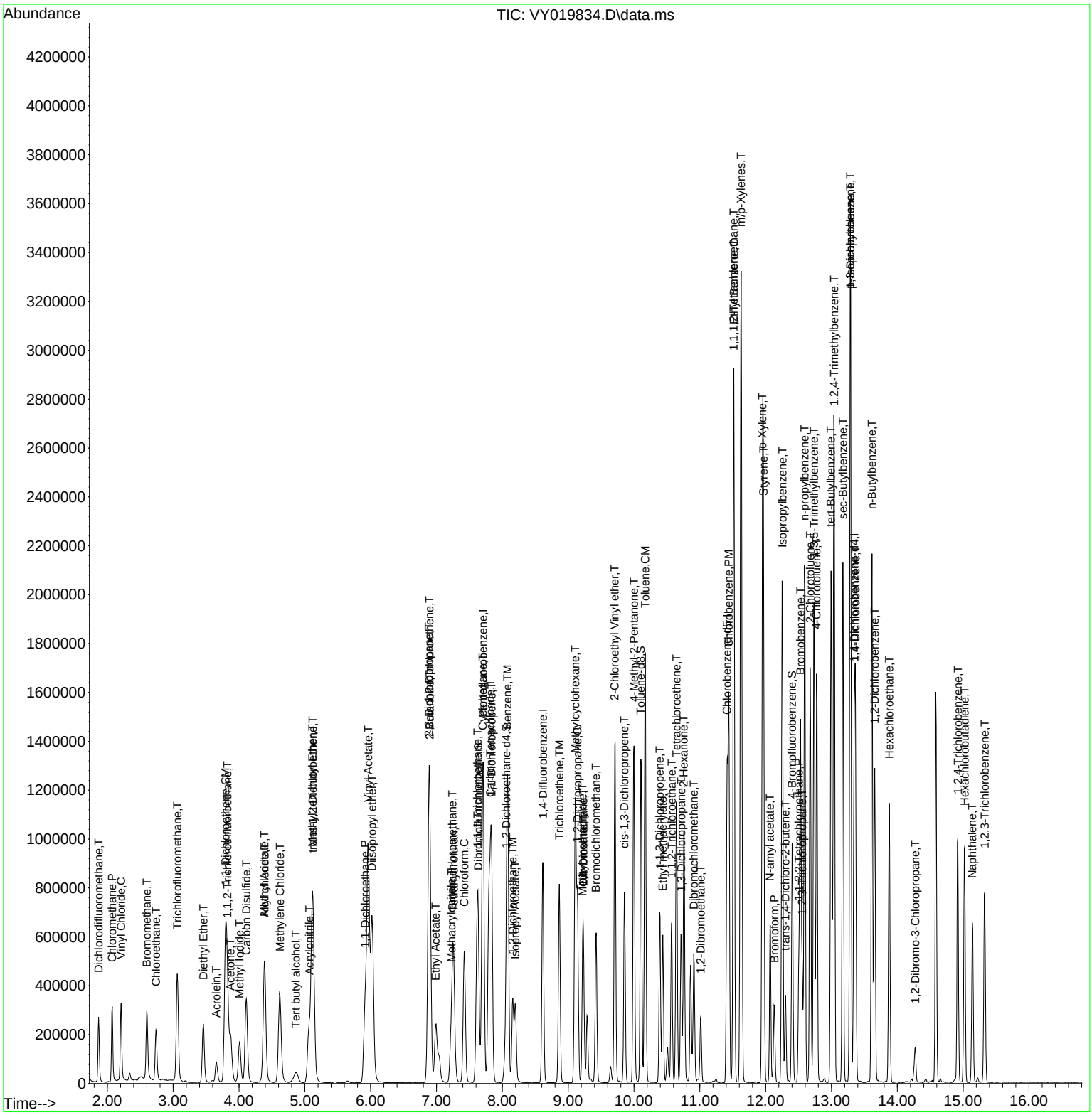
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019834.D
Acq On : 09 Oct 2024 15:25
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

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: **VY020001.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: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: MSVOA_Y Calibration Date/Time: 10/24/2024 10:18

Lab File ID: VY020001.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	0.385		-17.2	20
Chloromethane	0.606	0.616	0.1	1.65	20
Vinyl Chloride	0.667	0.723		8.4	20
Bromomethane	0.422	0.474		12.32	20
Chloroethane	0.448	0.514		14.73	20
Trichlorofluoromethane	0.992	1.061		6.96	20
1,1,2-Trichlorotrifluoroethane	0.577	0.607		5.2	20
1,1-Dichloroethene	0.536	0.540		0.75	20
Acetone	0.160	0.197		23.13	20
Carbon Disulfide	1.438	1.222		-15.02	20
Methyl tert-butyl Ether	1.541	1.677		8.82	20
Methyl Acetate	0.345	0.408		18.26	20
Methylene Chloride	0.647	0.646		-0.16	20
trans-1,2-Dichloroethene	0.584	0.604		3.42	20
1,1-Dichloroethane	1.172	1.376	0.1	17.41	20
Cyclohexane	1.029	1.055		2.53	20
2-Butanone	0.215	0.247		14.88	20
Carbon Tetrachloride	0.510	0.563		10.39	20
cis-1,2-Dichloroethene	0.721	0.811		12.48	20
Bromochloromethane	0.516	0.582		12.79	20
Chloroform	1.195	1.407		17.74	20
1,1,1-Trichloroethane	1.047	1.211		15.66	20
Methylcyclohexane	0.599	0.622		3.84	20
Benzene	1.439	1.575		9.45	20
1,2-Dichloroethane	0.413	0.467		13.07	20
Trichloroethene	0.348	0.365		4.89	20
1,2-Dichloropropane	0.360	0.413		14.72	20
Bromodichloromethane	0.522	0.599		14.75	20
4-Methyl-2-Pentanone	0.258	0.295		14.34	20
Toluene	0.898	1.011		12.58	20
t-1,3-Dichloropropene	0.470	0.517		10	20
cis-1,3-Dichloropropene	0.554	0.620		11.91	20
1,1,2-Trichloroethane	0.259	0.289		11.58	20
2-Hexanone	0.184	0.213		15.76	20
Dibromochloromethane	0.333	0.368		10.51	20
1,2-Dibromoethane	0.234	0.249		6.41	20
Tetrachloroethene	0.356	0.355		-0.28	20
Chlorobenzene	1.144	1.257	0.3	9.88	20

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

Raw Data: **VY020001.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4473 SAS No.: P4473 SDG No.: P4473

Instrument ID: MSVOA_Y Calibration Date/Time: 10/24/2024 10:18

Lab File ID: VY020001.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	2.358		13.53	20
m/p-Xylenes	0.767	0.851		10.95	20
o-Xylene	0.737	0.821		11.4	20
Styrene	1.244	1.418		13.99	20
Bromoform	0.207	0.224	0.1	8.21	20
Isopropylbenzene	4.206	4.678		11.22	20
1,1,2,2-Tetrachloroethane	0.747	0.836	0.3	11.91	20
1,3-Dichlorobenzene	1.802	1.911		6.05	20
1,4-Dichlorobenzene	1.771	1.877		5.99	20
1,2-Dichlorobenzene	1.584	1.692		6.82	20
1,2-Dibromo-3-Chloropropane	0.119	0.117		-1.68	20
1,2,4-Trichlorobenzene	0.888	0.871		-1.91	20
1,2,3-Trichlorobenzene	0.751	0.724		-3.6	20
1,2-Dichloroethane-d4	0.616	0.638		3.57	20
Dibromofluoromethane	0.330	0.338		2.42	20
Toluene-d8	1.218	1.217		-0.08	20
4-Bromofluorobenzene	0.440	0.448		1.82	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\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 01:36:50 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 :Mahesh Dadoda
10/25/2024
Supervised By :Semsettin Yesilyurt
10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	232783	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	418258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	359637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	173628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148460	51.796	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.600%			
35) Dibromofluoromethane	7.634	113	141243	51.174	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.109	98	508949	49.934	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.860%			
62) 4-Bromofluorobenzene	12.408	95	187467	50.903	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	89569	41.333	ug/l	99
3) Chloromethane	2.074	50	143461	50.865	ug/l	99
4) Vinyl Chloride	2.208	62	168266	54.215	ug/l	96
5) Bromomethane	2.598	94	110316	56.155	ug/l	95
6) Chloroethane	2.739	64	119702	57.410	ug/l	96
7) Trichlorofluoromethane	3.062	101	247001	53.484	ug/l	98
8) Diethyl Ether	3.458	74	71362	50.843	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.818	101	141288	52.596	ug/l	90
10) Methyl Iodide	4.007	142	131050	48.236	ug/l	90
11) Tert butyl alcohol	4.866	59	53541	229.101	ug/l #	78
12) 1,1-Dichloroethene	3.793	96	125623	50.304	ug/l #	78
13) Acrolein	3.653	56	26502	125.834	ug/l	95
14) Allyl chloride	4.391	41	245700	54.529	ug/l #	88
15) Acrylonitrile	5.061	53	180493	281.147	ug/l	98
16) Acetone	3.873	43	228988	306.901	ug/l #	82
17) Carbon Disulfide	4.110	76	284528	42.507	ug/l	99
18) Methyl Acetate	4.385	43	95018	59.117	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	390492	54.427	ug/l	100
20) Methylene Chloride	4.616	84	150310	54.595	ug/l #	80
21) trans-1,2-Dichloroethene	5.122	96	140542	51.708	ug/l	87
22) Diisopropyl ether	6.018	45	587507	59.860	ug/l #	89
23) Vinyl Acetate	5.958	43	1616943	287.377	ug/l #	89
24) 1,1-Dichloroethane	5.915	63	320368	58.721	ug/l	96
25) 2-Butanone	6.896	43	287911	288.281	ug/l #	86
26) 2,2-Dichloropropane	6.884	77	271927	55.967	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	188719	56.185	ug/l	81
28) Bromochloromethane	7.244	49	135462	56.411	ug/l #	70
29) Tetrahydrofuran	7.262	42	159457	279.629	ug/l #	82
30) Chloroform	7.421	83	327437	58.876	ug/l	100
31) Cyclohexane	7.701	56	245677	51.298	ug/l	88
32) 1,1,1-Trichloroethane	7.616	97	281939	57.847	ug/l	95
36) 1,1-Dichloropropene	7.841	75	215678	54.240	ug/l	95
37) Ethyl Acetate	6.982	43	111358	53.707	ug/l	96
38) Carbon Tetrachloride	7.823	117	235281	55.195	ug/l	99
39) Methylcyclohexane	9.109	83	260045	51.903	ug/l #	87
40) Benzene	8.079	78	658602	54.729	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 01:36:50 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 :Mahesh Dadoda
10/25/2024
Supervised By :Semsettin Yesilyurt
10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	58728	52.334	ug/l		90
42) 1,2-Dichloroethane	8.158	62	195495	56.546	ug/l		94
43) Isopropyl Acetate	8.195	43	229416	54.254	ug/l	#	75
44) Trichloroethene	8.866	130	152811	52.429	ug/l		94
45) 1,2-Dichloropropane	9.140	63	172695	57.335	ug/l		99
46) Dibromomethane	9.231	93	87003	52.868	ug/l		90
47) Bromodichloromethane	9.426	83	250585	57.367	ug/l		99
48) Methyl methacrylate	9.219	41	105325	56.625	ug/l	#	80
49) 1,4-Dioxane	9.237	88	19218	1043.398	ug/l	#	76
51) 4-Methyl-2-Pentanone	9.999	43	617833	286.456	ug/l		88
52) Toluene	10.170	92	422863	56.294	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	216124	54.990	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	259380	55.931	ug/l	#	84
55) 1,1,2-Trichloroethane	10.573	97	120959	55.789	ug/l		96
56) Ethyl methacrylate	10.438	69	170842	54.914	ug/l	#	71
57) 1,3-Dichloropropane	10.719	76	211756	55.614	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	414150	285.953	ug/l		92
59) 2-Hexanone	10.762	43	444614	288.623	ug/l		87
60) Dibromochloromethane	10.908	129	153724	55.239	ug/l		99
61) 1,2-Dibromoethane	11.018	107	104176	53.171	ug/l		97
64) Tetrachloroethene	10.646	164	127556	49.865	ug/l		93
65) Chlorobenzene	11.444	112	452057	54.956	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	155895	56.016	ug/l		97
67) Ethyl Benzene	11.517	91	847998	56.751	ug/l		98
68) m/p-Xylenes	11.627	106	611746	110.852	ug/l		91
69) o-Xylene	11.956	106	295098	55.655	ug/l		91
70) Styrene	11.969	104	510026	57.014	ug/l		96
71) Bromoform	12.133	173	80653	54.135	ug/l	#	94
73) Isopropylbenzene	12.255	105	812217	55.615	ug/l		97
74) N-amyl acetate	12.072	43	211253	54.614	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	145126	55.925	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	104869m	30.832	ug/l		
77) Bromobenzene	12.530	156	160829	51.895	ug/l		81
78) n-propylbenzene	12.597	91	1000442	56.693	ug/l		97
79) 2-Chlorotoluene	12.682	91	556787	55.036	ug/l		95
80) 1,3,5-Trimethylbenzene	12.737	105	653964	55.447	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	45044	53.454	ug/l	#	83
82) 4-Chlorotoluene	12.779	91	578077	55.883	ug/l		93
83) tert-Butylbenzene	12.999	119	599060	56.697	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	650881	55.662	ug/l		96
85) sec-Butylbenzene	13.176	105	904903	57.322	ug/l		98
86) p-Isopropyltoluene	13.292	119	713726	55.678	ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	331871	53.027	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	325933	53.011	ug/l		96
89) n-Butylbenzene	13.621	91	721021	57.603	ug/l		97
90) Hexachloroethane	13.883	117	141067	56.515	ug/l		85
91) 1,2-Dichlorobenzene	13.657	146	293777	53.422	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20336	49.103	ug/l		78
93) 1,2,4-Trichlorobenzene	14.919	180	151282	49.061	ug/l		96
94) Hexachlorobutadiene	15.023	225	83544	48.733	ug/l		99
95) Naphthalene	15.145	128	286179	49.208	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	125653	48.206	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 01:36:50 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 :Mahesh Dadoda
10/25/2024
Supervised By :Semsettin Yesilyurt
10/25/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 25 01:36:50 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

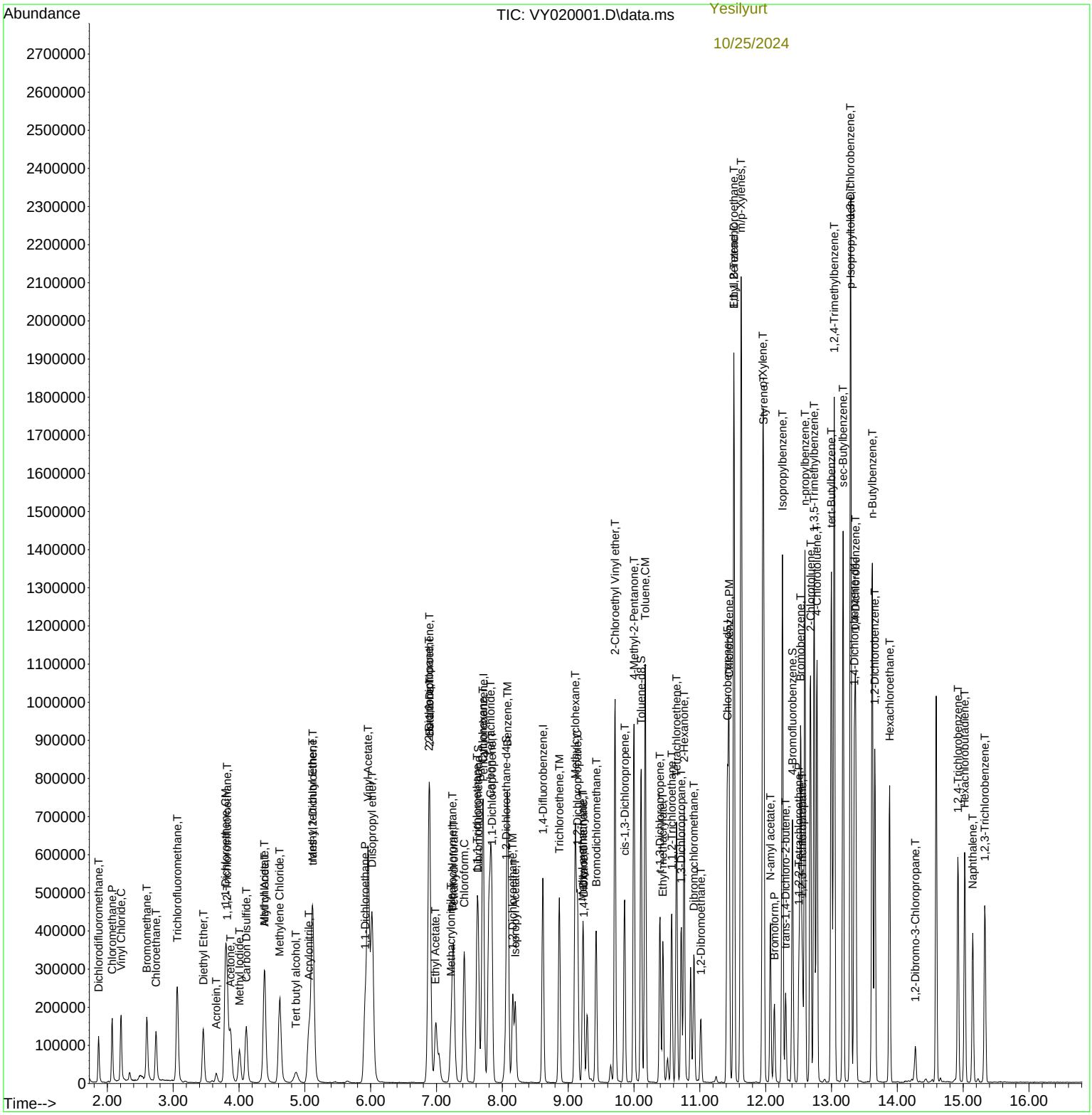
Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

10/25/2024

Supervised By :Semsettin Yesilyurt

10/25/2024



Sample Results: **VY020001.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
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 25 01:36:50 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	62	0.00
2	T	Dichlorodifluoromethane	0.465	0.385	17.2	52	0.00
3	P	Chloromethane	0.606	0.616	-1.7	62	0.00
4	C	Vinyl Chloride	0.667	0.723	-8.4#	65	0.00
5	T	Bromomethane	0.422	0.474	-12.3	68	0.00
6	T	Chloroethane	0.448	0.514	-14.7	70	0.00
7	T	Trichlorofluoromethane	0.992	1.061	-7.0	66	0.00
8	T	Diethyl Ether	0.301	0.307	-2.0	60	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.577	0.607	-5.2	65	0.00
10	T	Methyl Iodide	0.584	0.563	3.6	55	0.00
11	T	Tert butyl alcohol	0.058	0.046	20.7	57	0.00
12	CM	1,1-Dichloroethene	0.536	0.540	-0.7#	61	0.00
13	T	Acrolein	0.045	0.023	48.9#	35#	0.00
14	T	Allyl chloride	0.968	1.055	-9.0	65	0.00
15	T	Acrylonitrile	0.138	0.155	-12.3	67	0.00
16	T	Acetone	0.160	0.197	-23.1	71	0.00
17	T	Carbon Disulfide	1.438	1.222	15.0	49#	0.00
18	T	Methyl Acetate	0.345	0.408	-18.3	72	0.00
19	T	Methyl tert-butyl Ether	1.541	1.677	-8.8	66	0.00
20	T	Methylene Chloride	0.647	0.646	0.2	64	0.00
21	T	trans-1,2-Dichloroethene	0.584	0.604	-3.4	62	0.01
22	T	Diisopropyl ether	2.108	2.524	-19.7	72	0.00
23	T	Vinyl Acetate	1.209	1.389	-14.9	67	0.00
24	P	1,1-Dichloroethane	1.172	1.376	-17.4	71	0.00
25	T	2-Butanone	0.215	0.247	-14.9	69	0.00
26	T	2,2-Dichloropropane	1.044	1.168	-11.9	69	0.00
27	T	cis-1,2-Dichloroethene	0.721	0.811	-12.5	68	0.00
28	T	Bromochloromethane	0.516	0.582	-12.8	68	0.00
29	T	Tetrahydrofuran	0.122	0.137	-12.3	66	0.00
30	C	Chloroform	1.195	1.407	-17.7#	71	0.00
31	T	Cyclohexane	1.029	1.055	-2.5	65	0.00
32	T	1,1,1-Trichloroethane	1.047	1.211	-15.7	70	0.00
33	S	1,2-Dichloroethane-d4	0.616	0.638	-3.6	68	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	64	0.00
35	S	Dibromofluoromethane	0.330	0.338	-2.4	67	0.00
36	T	1,1-Dichloropropene	0.475	0.516	-8.6	67	0.00
37	T	Ethyl Acetate	0.248	0.266	-7.3	66	0.00
38	T	Carbon Tetrachloride	0.510	0.563	-10.4	68	0.00
39	T	Methylcyclohexane	0.599	0.622	-3.8	63	0.00
40	TM	Benzene	1.439	1.575	-9.5	68	0.00
41	T	Methacrylonitrile	0.134	0.140	-4.5	58	0.00
42	TM	1,2-Dichloroethane	0.413	0.467	-13.1	70	0.00
43	T	Isopropyl Acetate	0.505	0.549	-8.7	67	0.00
44	TM	Trichloroethene	0.348	0.365	-4.9	64	0.00
45	C	1,2-Dichloropropane	0.360	0.413	-14.7#	72	0.00
46	T	Dibromomethane	0.197	0.208	-5.6	66	0.00
47	T	Bromodichloromethane	0.522	0.599	-14.8	71	0.00
48	T	Methyl methacrylate	0.222	0.252	-13.5	68	0.00

Sample Results: **VY020001.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
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 25 01:36:50 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	62	0.00
50	S	Toluene-d8	1.218	1.217	0.1	66	0.00
51	T	4-Methyl-2-Pentanone	0.258	0.295	-14.3	70	0.00
52	CM	Toluene	0.898	1.011	-12.6#	69	0.00
53	T	t-1,3-Dichloropropene	0.470	0.517	-10.0	67	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.620	-11.9	69	0.00
55	T	1,1,2-Trichloroethane	0.259	0.289	-11.6	69	0.00
56	T	Ethyl methacrylate	0.372	0.408	-9.7	65	0.00
57	T	1,3-Dichloropropane	0.455	0.506	-11.2	69	0.00
58	T	2-Chloroethyl Vinyl ether	0.173	0.198	-14.5	74	0.00
59	T	2-Hexanone	0.184	0.213	-15.8	69	0.00
60	T	Dibromochloromethane	0.333	0.368	-10.5	69	0.00
61	T	1,2-Dibromoethane	0.234	0.249	-6.4	65	0.00
62	S	4-Bromofluorobenzene	0.440	0.448	-1.8	67	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	64	0.00
64	T	Tetrachloroethene	0.356	0.355	0.3	62	0.00
65	PM	Chlorobenzene	1.144	1.257	-9.9	69	0.00
66	T	1,1,1,2-Tetrachloroethane	0.387	0.433	-11.9	70	0.00
67	C	Ethyl Benzene	2.077	2.358	-13.5#	70	0.00
68	T	m/p-Xylenes	0.767	0.851	-11.0	68	0.00
69	T	o-Xylene	0.737	0.821	-11.4	68	0.00
70	T	Styrene	1.244	1.418	-14.0	70	0.00
71	P	Bromoform	0.207	0.224	-8.2	65	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	64	0.00
73	T	Isopropylbenzene	4.206	4.678	-11.2	70	0.00
74	T	N-amyl acetate	1.114	1.217	-9.2	66	0.00
75	P	1,1,2,2-Tetrachloroethane	0.747	0.836	-11.9	70	0.00
76	T	1,2,3-Trichloropropane	0.979	0.604	38.3#	39#	0.00
77	T	Bromobenzene	0.892	0.926	-3.8	65	0.00
78	T	n-propylbenzene	5.082	5.762	-13.4	71	0.00
79	T	2-Chlorotoluene	2.913	3.207	-10.1	69	0.00
80	T	1,3,5-Trimethylbenzene	3.396	3.766	-10.9	69	0.00
81	T	trans-1,4-Dichloro-2-butene	0.243	0.259	-6.6	66	0.00
82	T	4-Chlorotoluene	2.979	3.329	-11.7	70	0.00
83	T	tert-Butylbenzene	3.043	3.450	-13.4	71	0.00
84	T	1,2,4-Trimethylbenzene	3.367	3.749	-11.3	69	0.00
85	T	sec-Butylbenzene	4.546	5.212	-14.7	71	0.00
86	T	p-Isopropyltoluene	3.691	4.111	-11.4	69	0.00
87	T	1,3-Dichlorobenzene	1.802	1.911	-6.0	67	0.00
88	T	1,4-Dichlorobenzene	1.771	1.877	-6.0	67	0.00
89	T	n-Butylbenzene	3.605	4.153	-15.2	69	0.00
90	T	Hexachloroethane	0.719	0.812	-12.9	70	0.00
91	T	1,2-Dichlorobenzene	1.584	1.692	-6.8	67	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.119	0.117	1.7	62	0.00
93	T	1,2,4-Trichlorobenzene	0.888	0.871	1.9	58	0.00
94	T	Hexachlorobutadiene	0.494	0.481	2.6	58	0.00
95	T	Naphthalene	1.675	1.648	1.6	57	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
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 25 01:36:50 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	0.724	3.6	56	0.00

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

Sample Results: **VY020001.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
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 25 01:36:50 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	62	0.00
2	T	Dichlorodifluoromethane	50.000	41.333	17.3	52	0.00
3	P	Chloromethane	50.000	50.865	-1.7	62	0.00
4	C	Vinyl Chloride	50.000	54.215	-8.4#	65	0.00
5	T	Bromomethane	50.000	56.155	-12.3	68	0.00
6	T	Chloroethane	50.000	57.410	-14.8	70	0.00
7	T	Trichlorofluoromethane	50.000	53.484	-7.0	66	0.00
8	T	Diethyl Ether	50.000	50.843	-1.7	60	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.596	-5.2	65	0.00
10	T	Methyl Iodide	50.000	48.236	3.5	55	0.00
11	T	Tert butyl alcohol	250.000	229.101	8.4	57	0.00
12	CM	1,1-Dichloroethene	50.000	50.304	-0.6#	61	0.00
13	T	Acrolein	250.000	125.834	49.7#	35	0.00
14	T	Allyl chloride	50.000	54.529	-9.1	65	0.00
15	T	Acrylonitrile	250.000	281.147	-12.5	67	0.00
16	T	Acetone	250.000	306.901	-22.8	71	0.00
17	T	Carbon Disulfide	50.000	42.507	15.0	49	0.00
18	T	Methyl Acetate	50.000	59.117	-18.2	72	0.00
19	T	Methyl tert-butyl Ether	50.000	54.427	-8.9	66	0.00
20	T	Methylene Chloride	50.000	54.595	-9.2	64	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.708	-3.4	62	0.01
22	T	Diisopropyl ether	50.000	59.860	-19.7	72	0.00
23	T	Vinyl Acetate	250.000	287.377	-15.0	67	0.00
24	P	1,1-Dichloroethane	50.000	58.721	-17.4	71	0.00
25	T	2-Butanone	250.000	288.281	-15.3	69	0.00
26	T	2,2-Dichloropropane	50.000	55.967	-11.9	69	0.00
27	T	cis-1,2-Dichloroethene	50.000	56.185	-12.4	68	0.00
28	T	Bromochloromethane	50.000	56.411	-12.8	68	0.00
29	T	Tetrahydrofuran	250.000	279.629	-11.9	66	0.00
30	C	Chloroform	50.000	58.876	-17.8#	71	0.00
31	T	Cyclohexane	50.000	51.298	-2.6	65	0.00
32	T	1,1,1-Trichloroethane	50.000	57.847	-15.7	70	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.796	-3.6	68	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	64	0.00
35	S	Dibromofluoromethane	50.000	51.174	-2.3	67	0.00
36	T	1,1-Dichloropropene	50.000	54.240	-8.5	67	0.00
37	T	Ethyl Acetate	50.000	53.707	-7.4	66	0.00
38	T	Carbon Tetrachloride	50.000	55.195	-10.4	68	0.00
39	T	Methylcyclohexane	50.000	51.903	-3.8	63	0.00
40	TM	Benzene	50.000	54.729	-9.5	68	0.00
41	T	Methacrylonitrile	50.000	52.334	-4.7	58	0.00
42	TM	1,2-Dichloroethane	50.000	56.546	-13.1	70	0.00
43	T	Isopropyl Acetate	50.000	54.254	-8.5	67	0.00
44	TM	Trichloroethene	50.000	52.429	-4.9	64	0.00
45	C	1,2-Dichloropropane	50.000	57.335	-14.7#	72	0.00
46	T	Dibromomethane	50.000	52.868	-5.7	66	0.00
47	T	Bromodichloromethane	50.000	57.367	-14.7	71	0.00
48	T	Methyl methacrylate	50.000	56.625	-13.3	68	0.00

Sample Results: **VY020001.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
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 25 01:36:50 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	1043.398	-4.3	62	0.00
50	S	Toluene-d8	50.000	49.934	0.1	66	0.00
51	T	4-Methyl-2-Pentanone	250.000	286.456	-14.6	70	0.00
52	CM	Toluene	50.000	56.294	-12.6#	69	0.00
53	T	t-1,3-Dichloropropene	50.000	54.990	-10.0	67	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.931	-11.9	69	0.00
55	T	1,1,2-Trichloroethane	50.000	55.789	-11.6	69	0.00
56	T	Ethyl methacrylate	50.000	54.914	-9.8	65	0.00
57	T	1,3-Dichloropropane	50.000	55.614	-11.2	69	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	285.953	-14.4	74	0.00
59	T	2-Hexanone	250.000	288.623	-15.4	69	0.00
60	T	Dibromochloromethane	50.000	55.239	-10.5	69	0.00
61	T	1,2-Dibromoethane	50.000	53.171	-6.3	65	0.00
62	S	4-Bromofluorobenzene	50.000	50.903	-1.8	67	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	64	0.00
64	T	Tetrachloroethene	50.000	49.865	0.3	62	0.00
65	PM	Chlorobenzene	50.000	54.956	-9.9	69	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.016	-12.0	70	0.00
67	C	Ethyl Benzene	50.000	56.751	-13.5#	70	0.00
68	T	m/p-Xylenes	100.000	110.852	-10.9	68	0.00
69	T	o-Xylene	50.000	55.655	-11.3	68	0.00
70	T	Styrene	50.000	57.014	-14.0	70	0.00
71	P	Bromoform	50.000	54.135	-8.3	65	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	64	0.00
73	T	Isopropylbenzene	50.000	55.615	-11.2	70	0.00
74	T	N-amyl acetate	50.000	54.614	-9.2	66	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.925	-11.8	70	0.00
76	T	1,2,3-Trichloropropane	50.000	30.832	38.3#	39	0.00
77	T	Bromobenzene	50.000	51.895	-3.8	65	0.00
78	T	n-propylbenzene	50.000	56.693	-13.4	71	0.00
79	T	2-Chlorotoluene	50.000	55.036	-10.1	69	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.447	-10.9	69	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.454	-6.9	66	0.00
82	T	4-Chlorotoluene	50.000	55.883	-11.8	70	0.00
83	T	tert-Butylbenzene	50.000	56.697	-13.4	71	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.662	-11.3	69	0.00
85	T	sec-Butylbenzene	50.000	57.322	-14.6	71	0.00
86	T	p-Isopropyltoluene	50.000	55.678	-11.4	69	0.00
87	T	1,3-Dichlorobenzene	50.000	53.027	-6.1	67	0.00
88	T	1,4-Dichlorobenzene	50.000	53.011	-6.0	67	0.00
89	T	n-Butylbenzene	50.000	57.603	-15.2	69	0.00
90	T	Hexachloroethane	50.000	56.515	-13.0	70	0.00
91	T	1,2-Dichlorobenzene	50.000	53.422	-6.8	67	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.103	1.8	62	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.061	1.9	58	0.00
94	T	Hexachlorobutadiene	50.000	48.733	2.5	58	0.00
95	T	Naphthalene	50.000	49.208	1.6	57	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020001.D
Acq On : 24 Oct 2024 10:18
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 25 01:36:50 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	48.206	3.6	56	0.00

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

QC SAMPLE DATA

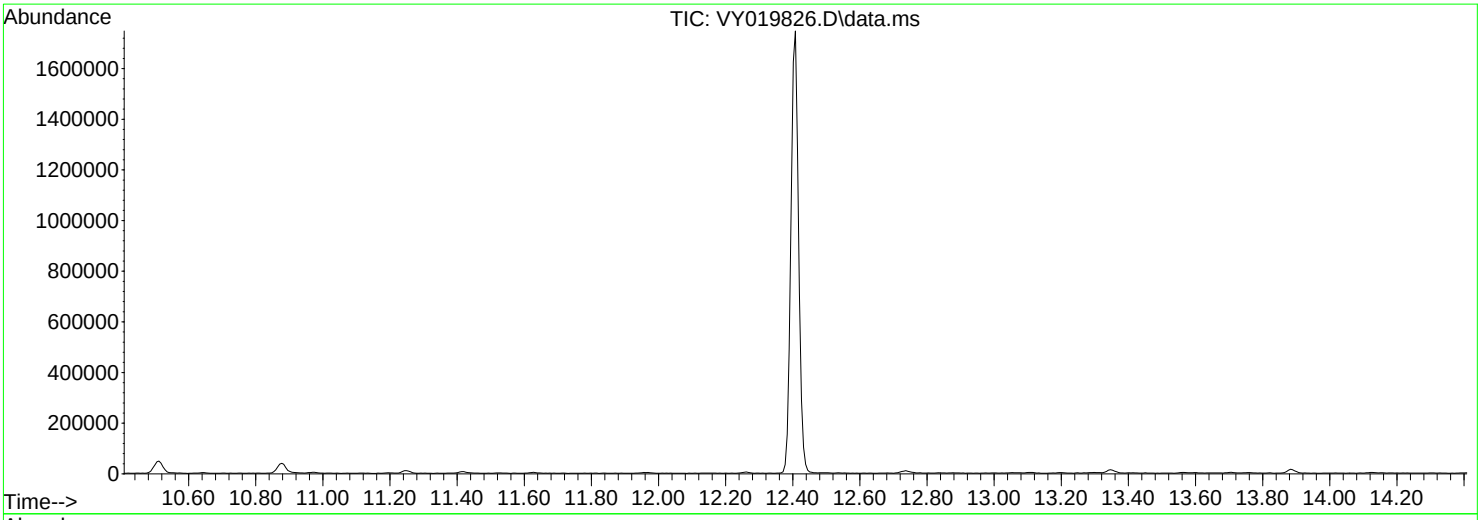
Sample Results: **VY019826.D**

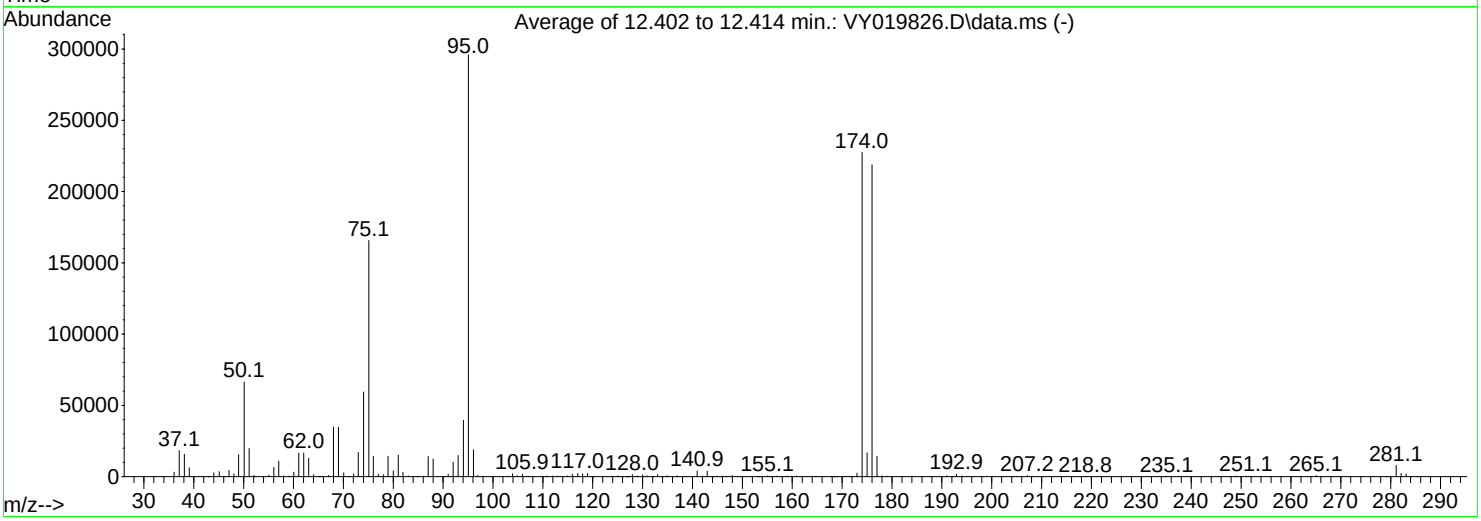
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
Data File : VY019826.D
Acq On : 09 Oct 2024 09:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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

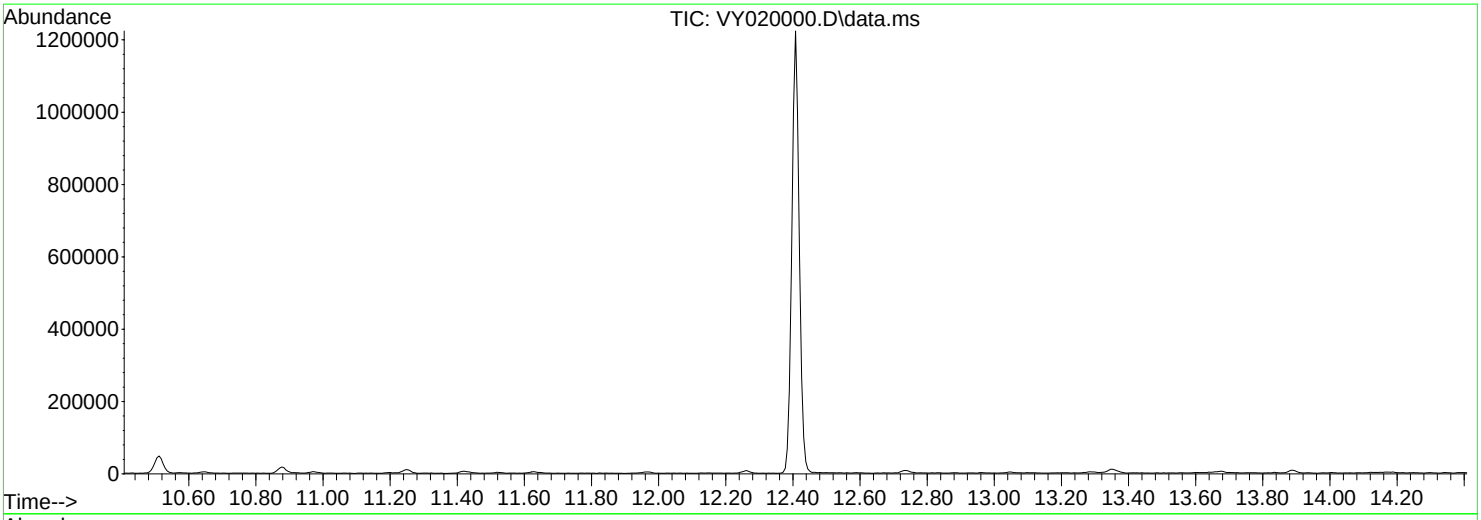
Sample Results: **VY020000.D**

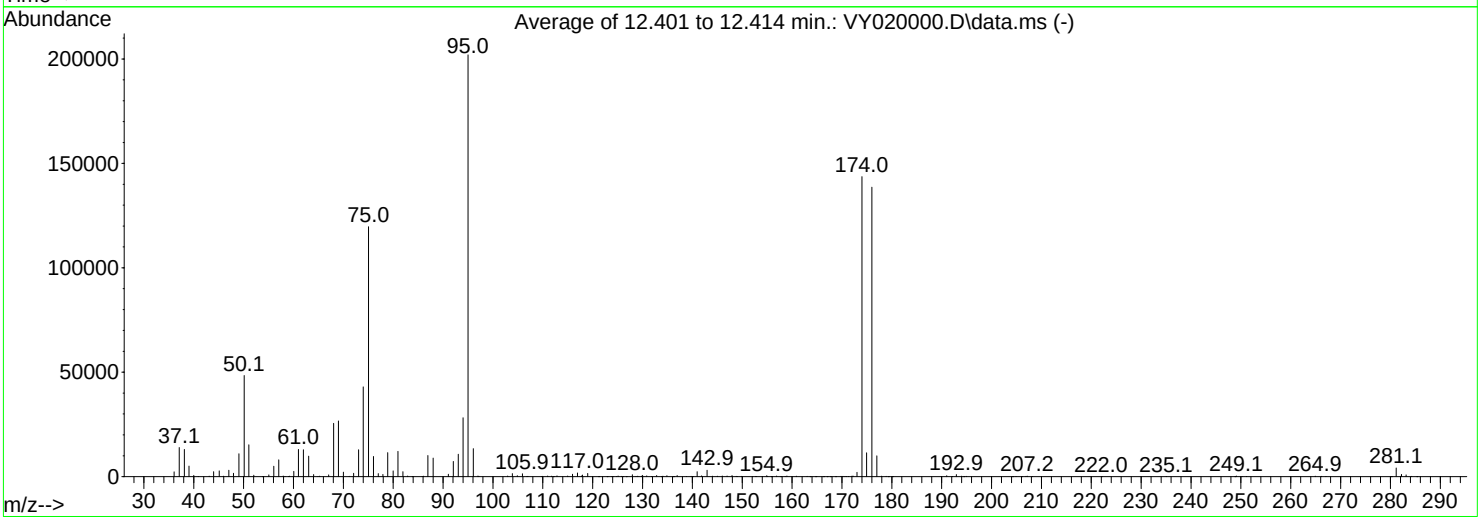
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020000.D
Acq On : 24 Oct 2024 09:35
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

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 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.0	48437	PASS
75	95	30	60	59.3	119683	PASS
95	95	100	100	100.0	201984	PASS
96	95	5	9	6.6	13386	PASS
173	174	0.00	2	1.4	2058	PASS
174	95	50	100	71.1	143653	PASS
175	174	5	9	7.9	11400	PASS
176	174	95	101	96.5	138611	PASS
177	176	5	9	7.2	9931	PASS

Raw Data: **VY020002.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	P4473
Lab Sample ID:	VY1024SBL01	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
VY020002.D	1		10/24/24 10:58	VY102424

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

Raw Data: **VY020002.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	P4473
Lab Sample ID:	VY1024SBL01	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
VY020002.D	1		10/24/24 10:58	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 (50) - 130 (163)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		70 (29) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.707			
540-36-3	1,4-Difluorobenzene	445000	8.616			
3114-55-4	Chlorobenzene-d5	386000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.346			

Raw Data: **VY020002.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBL01	SDG No.:	P4473
Lab Sample ID:	VY1024SBL01	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
VY020002.D	1		10/24/24 10:58	VY102424

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\VY102424\
Data File : VY020002.D
Acq On : 24 Oct 2024 10:58
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Quant Time: Oct 25 01:37:54 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

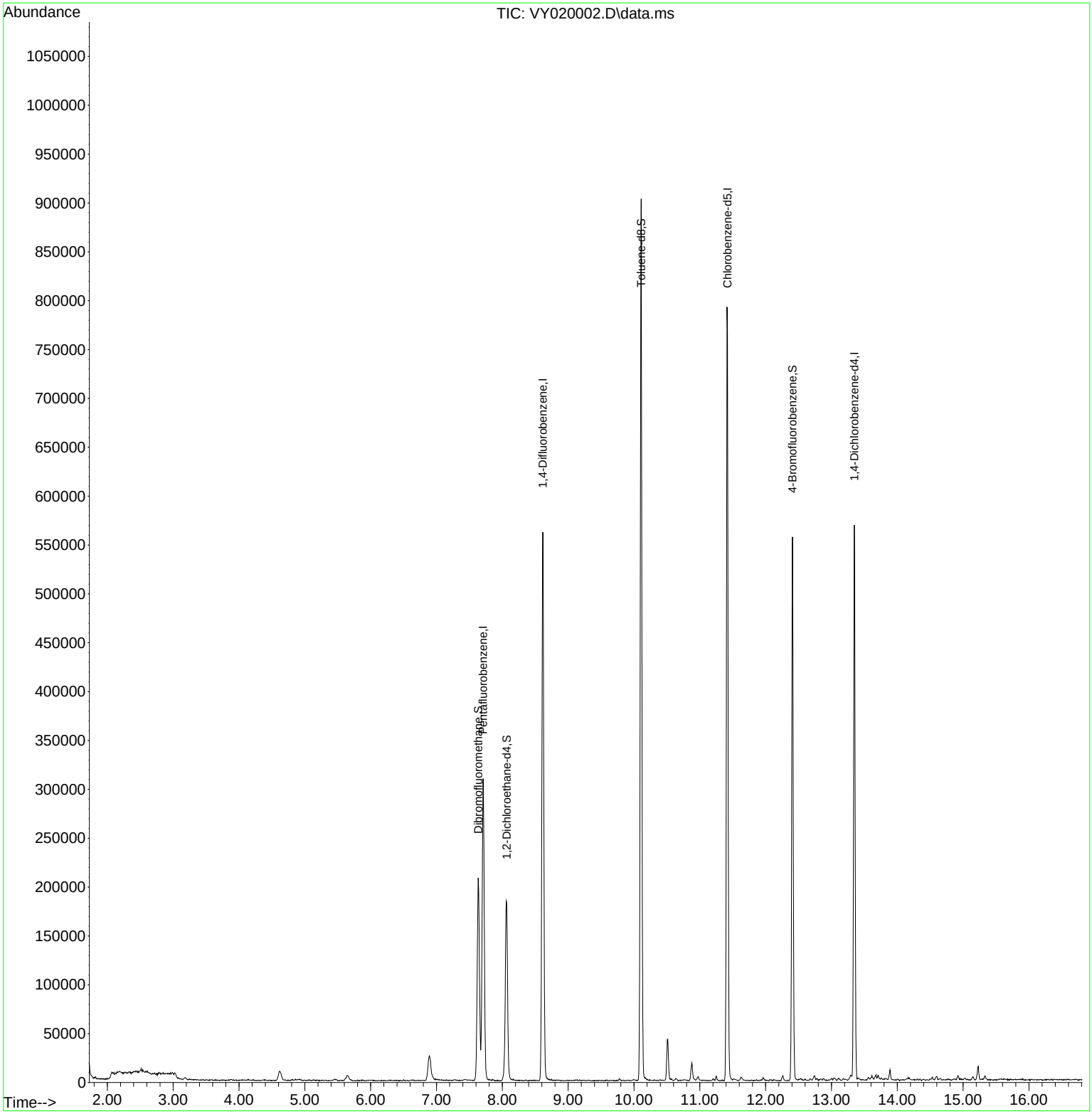
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	208622	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	444864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	385664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	143120	55.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.440%			
35) Dibromofluoromethane	7.634	113	143602	48.917	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.840%			
50) Toluene-d8	10.109	98	545890	50.355	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.408	95	155950	39.813	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 79.620%			
Target Compounds						Qvalue

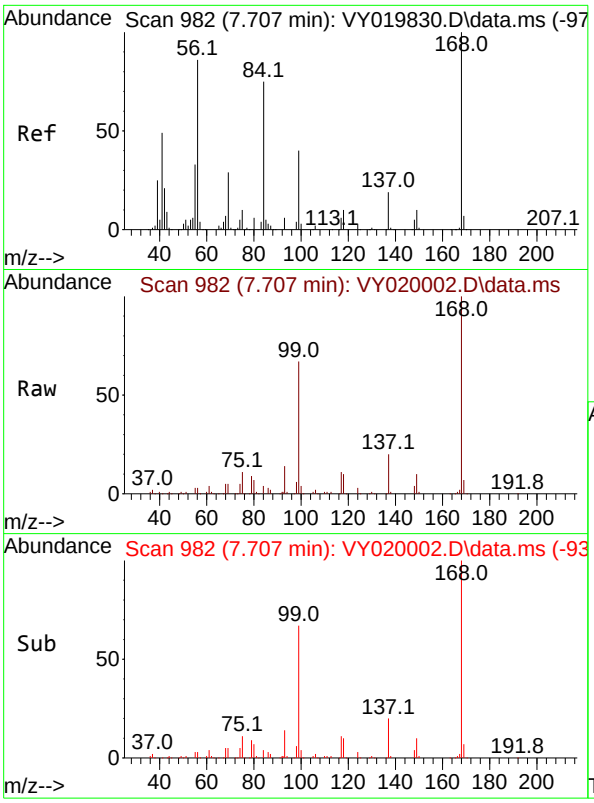
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020002.D
Acq On : 24 Oct 2024 10:58
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Quant Time: Oct 25 01:37:54 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



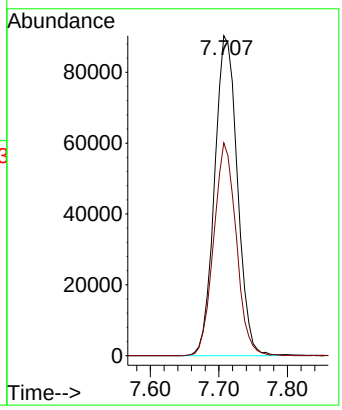


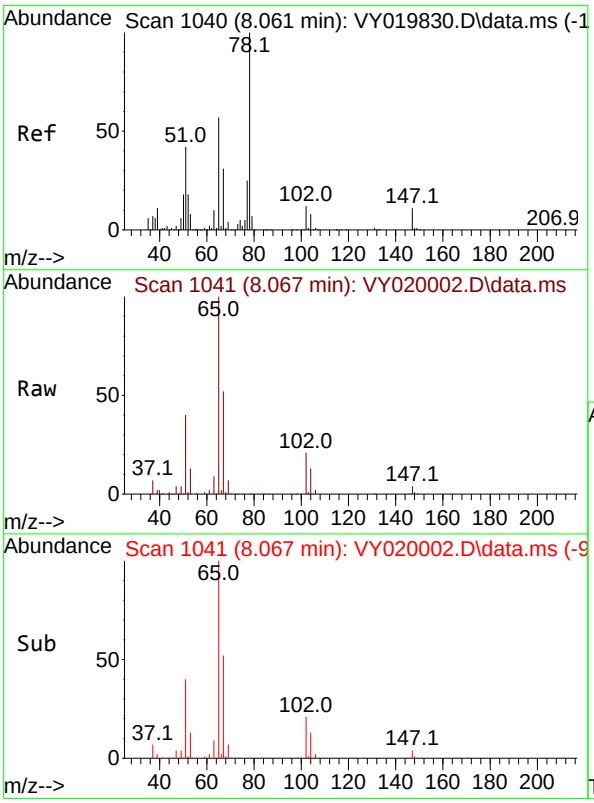
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion:168 Resp: 208622

Ion	Ratio	Lower	Upper
168	100		
99	66.5	39.1	58.7#

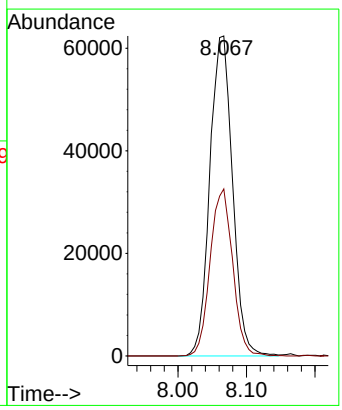


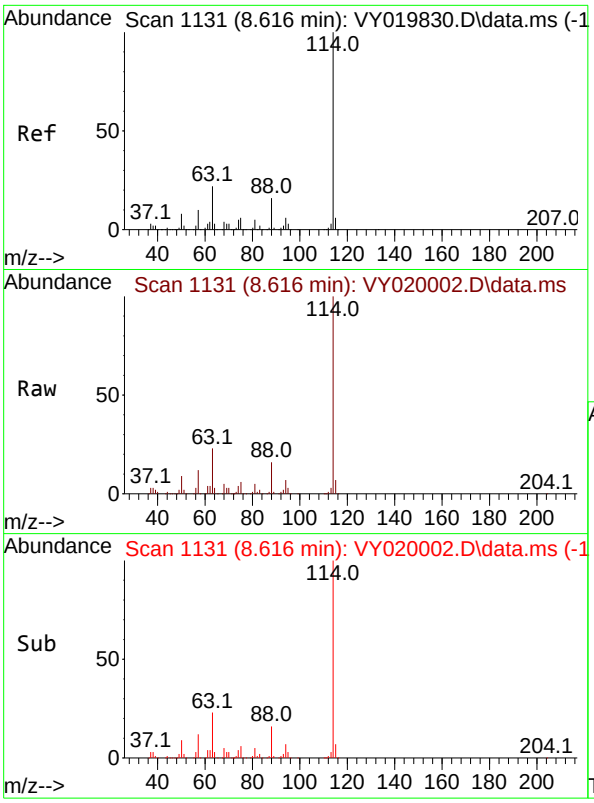


#33
1,2-Dichloroethane-d4
Concen: 55.716 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Tgt Ion: 65 Resp: 143120

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	109.6



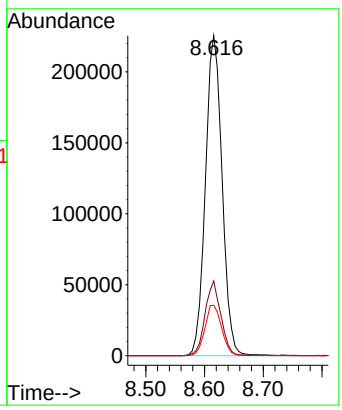


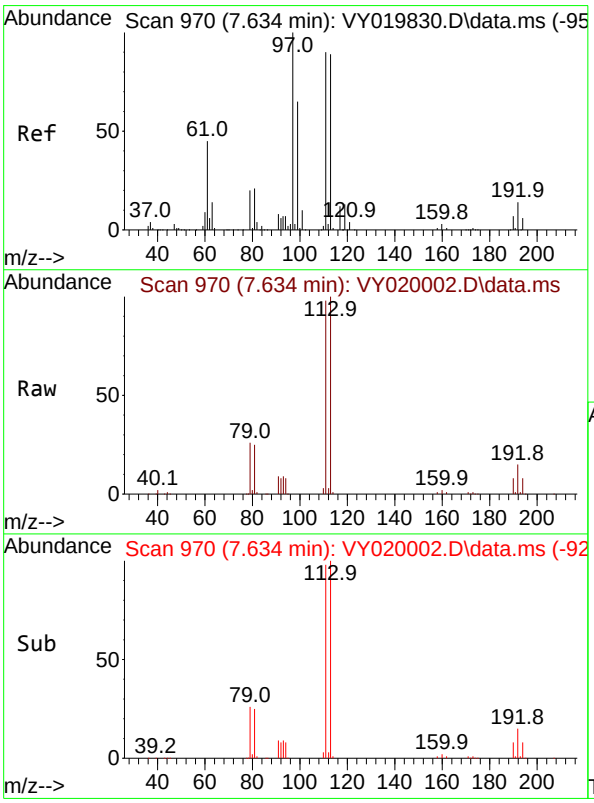
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion:114 Resp: 444864

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	35.0
88	15.7	0.0	27.2

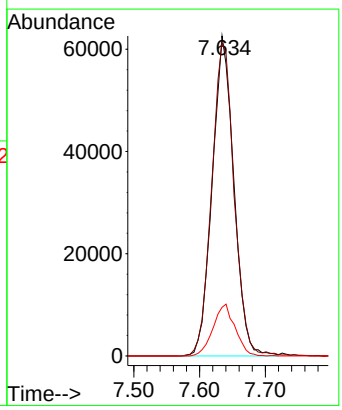


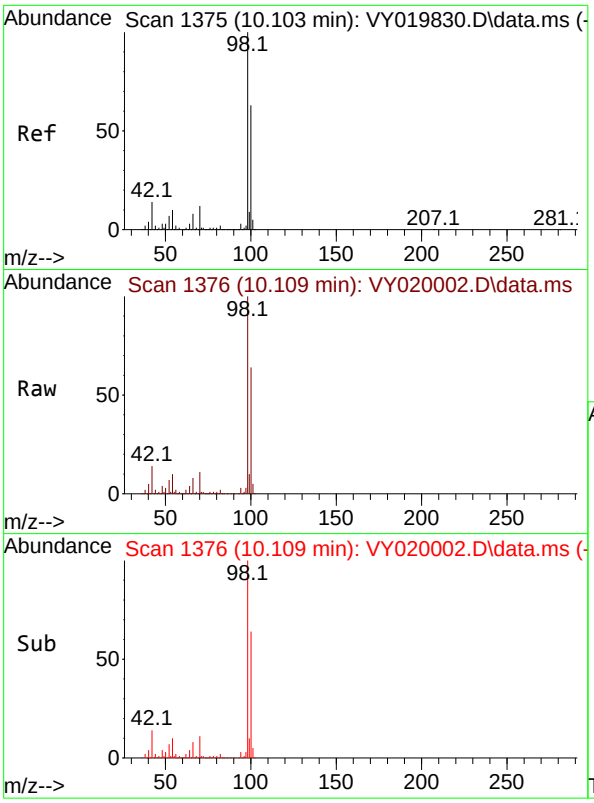


#35
Dibromofluoromethane
Concen: 48.917 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Tgt Ion:113 Resp: 143602

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.4
192	16.4	15.9	23.9



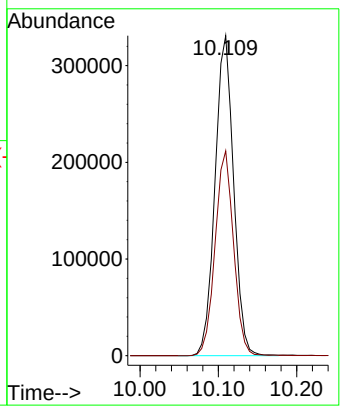


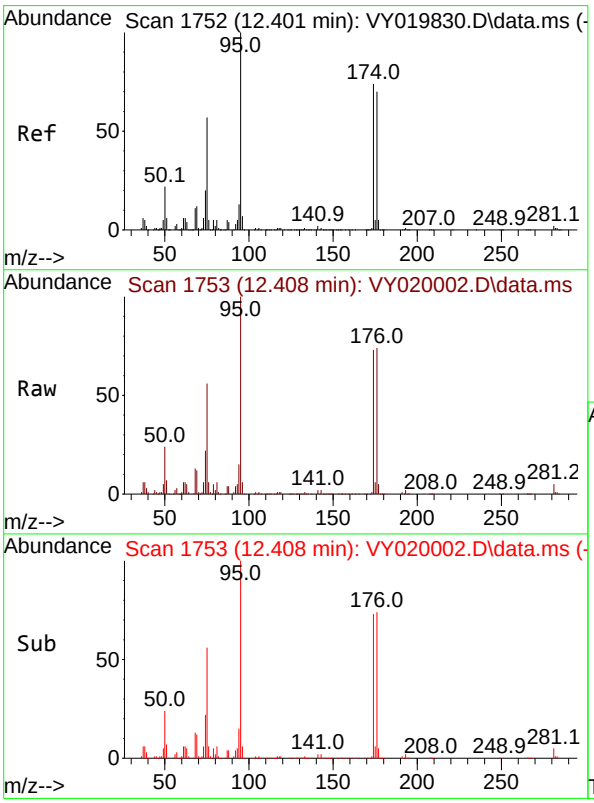
#50
Toluene-d8
Concen: 50.355 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion: 98 Resp: 545890

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.0	78.0

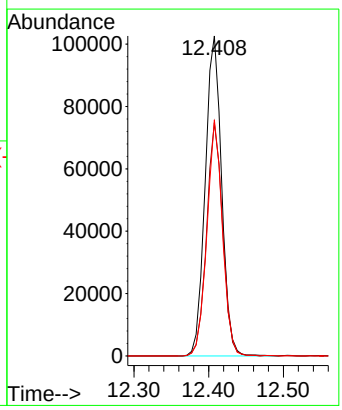


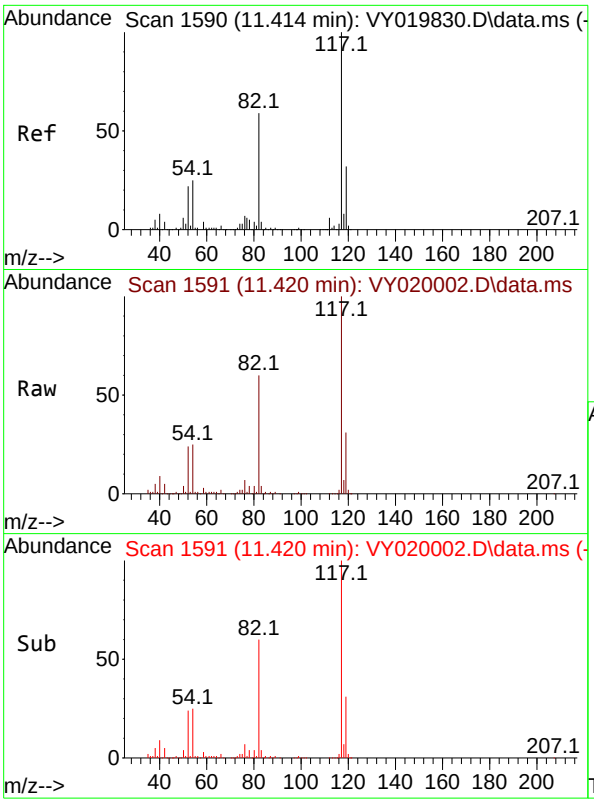


#62
4-Bromofluorobenzene
Concen: 39.813 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Tgt Ion: 95 Resp: 155950

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	175.6
176	69.8	0.0	171.4



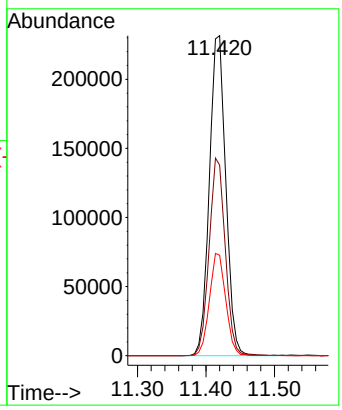


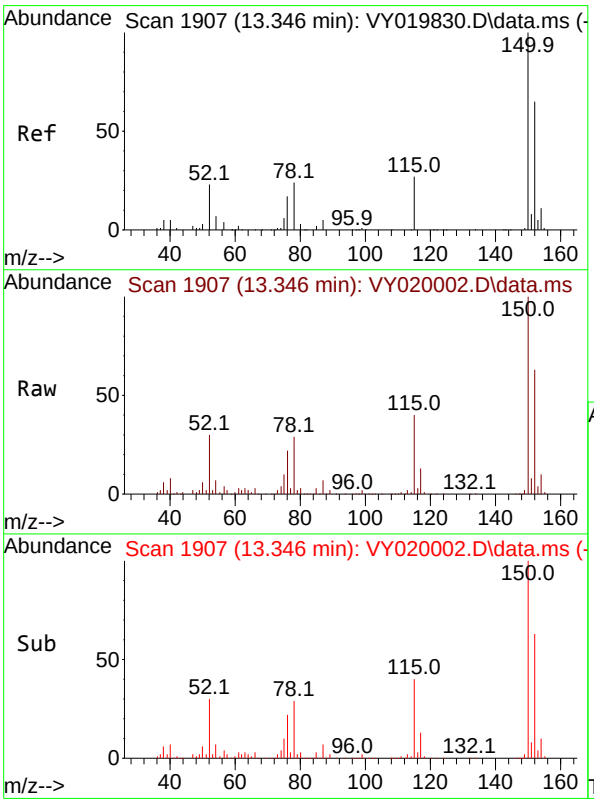
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

Tgt Ion:117 Resp: 385664

Ion	Ratio	Lower	Upper
117	100		
82	59.6	42.4	63.6
119	31.4	25.9	38.9

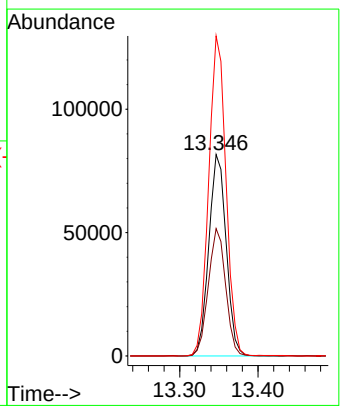




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020002.D
Acq: 24 Oct 2024 10:58

Tgt Ion:152 Resp: 125898

Ion	Ratio	Lower	Upper
152	100		
115	62.8	28.2	84.7
150	157.3	0.0	345.6



Sample Results: **VY020002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020002.D
Acq On : 24 Oct 2024 10:58
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

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: VY020002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	49	57	61	rBV5	6876	16797	1.11%	0.221%
2	4.616	466	475	486	rBV5	9346	30035	1.99%	0.394%
3	5.647	635	644	653	rBV7	5306	17381	1.15%	0.228%
4	6.890	837	848	862	rBV2	25244	84829	5.61%	1.114%
5	7.634	960	970	976	rBV	207277	486569	32.18%	6.390%
6	7.707	976	982	996	rVB	308479	698495	46.19%	9.173%
7	8.061	1028	1040	1052	rBV	183822	450879	29.82%	5.921%
8	8.616	1121	1131	1144	rBV	561509	1113176	73.62%	14.618%
9	10.109	1367	1376	1385	rBV	902332	1512130	100.00%	19.857%
10	10.512	1433	1442	1448	rBV	42312	80391	5.32%	1.056%
11	10.877	1494	1502	1508	rBV4	18421	35458	2.34%	0.466%
12	11.414	1582	1590	1603	rBV	791828	1307713	86.48%	17.173%
13	12.408	1743	1753	1761	rBV	556441	878174	58.08%	11.532%
14	13.346	1901	1907	1914	rVB	566934	878485	58.10%	11.536%
15	15.230	2208	2216	2222	rBV3	14099	24544	1.62%	0.322%

Sum of corrected areas: 7615056

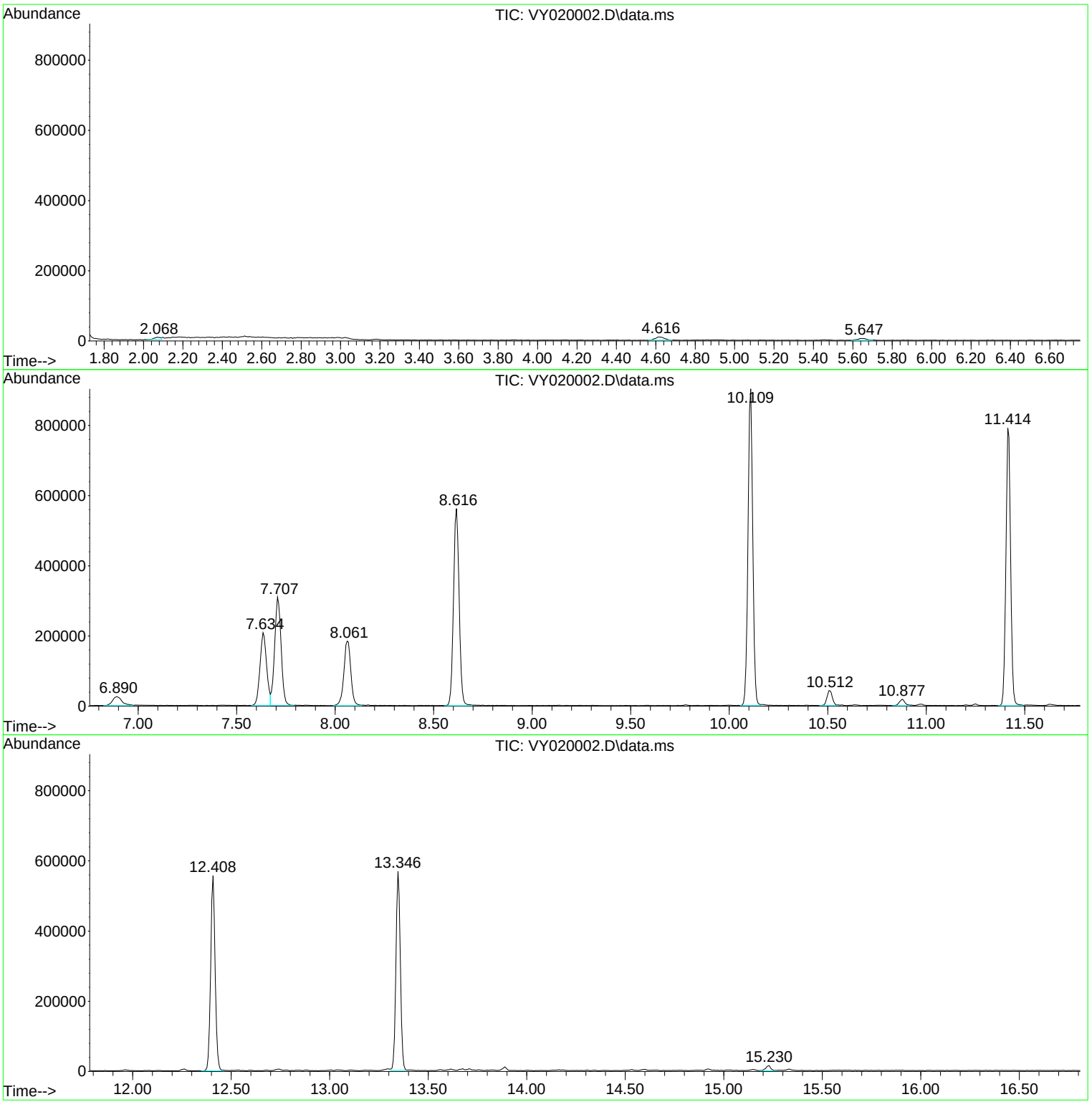
Sample Results: **VY020002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020002.D
Acq On : 24 Oct 2024 10:58
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

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: **VY020002.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020002.D
Acq On : 24 Oct 2024 10:58
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

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\VY102424\
Data File : VY020002.D
Acq On : 24 Oct 2024 10:58
Operator : SY/MD
Sample : VY1024SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBL01

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: **VY020003.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	P4473
Lab Sample ID:	VY1024SBS01	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
VY020003.D	1		10/24/24 11:43	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.7		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	13.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	23.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.2		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.6		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	24.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	23.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.87	5.00	ug/Kg
71-43-2	Benzene	21.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	23.4		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	23.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.8		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	P4473
Lab Sample ID:	VY1024SBS01	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
VY020003.D	1		10/24/24 11:43	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	22.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.2		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	43.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	22.1		0.70	5.00	ug/Kg
100-42-5	Styrene	21.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.4		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	22.3		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.8		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (50) - 130 (163)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (54) - 130 (147)	102%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (29) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204000	7.713			
540-36-3	1,4-Difluorobenzene	363000	8.616			
3114-55-4	Chlorobenzene-d5	311000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

Raw Data: **VY020003.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	P4473
Lab Sample ID:	VY1024SBS01	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
VY020003.D	1		10/24/24 11:43	VY102424

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\VY102424\
Data File : VY020003.D
Acq On : 24 Oct 2024 11:43
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

Quant Time: Oct 25 01:38:17 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	204148	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	362700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	144922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126961	50.508	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.020%			
35) Dibromofluoromethane	7.634	113	122608	51.227	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.460%			
50) Toluene-d8	10.109	98	445154	50.365	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.408	95	156157	48.896	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 97.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	32280	16.985	ug/l	98
3) Chloromethane	2.074	50	47777	19.316	ug/l	98
4) Vinyl Chloride	2.208	62	56054	20.594	ug/l	98
5) Bromomethane	2.598	94	37736	21.903	ug/l	99
6) Chloroethane	2.739	64	40205	21.987	ug/l	93
7) Trichlorofluoromethane	3.062	101	85298	21.060	ug/l	93
8) Diethyl Ether	3.458	74	24392	19.816	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.824	101	50707	21.524	ug/l	91
10) Methyl Iodide	4.007	142	41352	17.355	ug/l #	90
11) Tert butyl alcohol	4.848	59	19349m	83.308	ug/l	
12) 1,1-Dichloroethene	3.793	96	40878	18.665	ug/l #	73
13) Acrolein	3.653	56	14110	76.393	ug/l	97
14) Allyl chloride	4.385	41	83654	21.170	ug/l #	87
15) Acrylonitrile	5.061	53	60555	107.555	ug/l	95
16) Acetone	3.866	43	72224	110.376	ug/l #	86
17) Carbon Disulfide	4.110	76	80219	13.665	ug/l	100
18) Methyl Acetate	4.391	43	28791	20.425	ug/l #	86
19) Methyl tert-butyl Ether	5.116	73	134949	21.448	ug/l	100
20) Methylene Chloride	4.622	84	52725	21.345	ug/l #	85
21) trans-1,2-Dichloroethene	5.116	96	47318	19.851	ug/l #	85
22) Diisopropyl ether	6.019	45	208217	24.191	ug/l #	88
23) Vinyl Acetate	5.964	43	535181	108.459	ug/l #	91
24) 1,1-Dichloroethane	5.915	63	112883	23.593	ug/l	98
25) 2-Butanone	6.896	43	95952	109.551	ug/l #	87
26) 2,2-Dichloropropane	6.884	77	92118	21.619	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	64905	22.034	ug/l	81
28) Bromochloromethane	7.244	49	43641	20.723	ug/l #	70
29) Tetrahydrofuran	7.268	42	50790	101.560	ug/l #	83
30) Chloroform	7.421	83	119363	24.473	ug/l	95
31) Cyclohexane	7.701	56	80824	19.244	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	98477	23.039	ug/l #	94
36) 1,1-Dichloropropene	7.835	75	72191	20.936	ug/l	95
37) Ethyl Acetate	6.982	43	39343	21.881	ug/l	95
38) Carbon Tetrachloride	7.817	117	79693	21.559	ug/l	99
39) Methylcyclohexane	9.109	83	82178	18.915	ug/l #	88
40) Benzene	8.079	78	227264	21.778	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020003.D
Acq On : 24 Oct 2024 11:43
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 25 01:38:17 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	22039	22.648	ug/l	#	79
42) 1,2-Dichloroethane	8.158	62	69470	23.172	ug/l		93
43) Isopropyl Acetate	8.195	43	76156	20.769	ug/l	#	88
44) Trichloroethene	8.866	130	53764	21.272	ug/l		91
45) 1,2-Dichloropropane	9.140	63	61140	23.408	ug/l		97
46) Dibromomethane	9.231	93	30067	21.069	ug/l		89
47) Bromodichloromethane	9.420	83	88897	23.469	ug/l		94
48) Methyl methacrylate	9.219	41	35059	21.736	ug/l	#	80
49) 1,4-Dioxane	9.231	88	6058	379.287	ug/l	#	69
51) 4-Methyl-2-Pentanone	10.000	43	198606	106.188	ug/l		87
52) Toluene	10.170	92	142248	21.838	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	70625	20.722	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	86294	21.458	ug/l	#	85
55) 1,1,2-Trichloroethane	10.573	97	43686	23.235	ug/l		98
56) Ethyl methacrylate	10.438	69	55355	20.518	ug/l	#	73
57) 1,3-Dichloropropane	10.719	76	74355	22.519	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	126724	100.900	ug/l		91
59) 2-Hexanone	10.762	43	141665	106.049	ug/l		85
60) Dibromochloromethane	10.914	129	53984	22.370	ug/l		99
61) 1,2-Dibromoethane	11.018	107	36692	21.596	ug/l		94
64) Tetrachloroethene	10.646	164	43564	19.686	ug/l		94
65) Chlorobenzene	11.438	112	156404	21.979	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.518	131	54993	22.841	ug/l		97
67) Ethyl Benzene	11.518	91	287061	22.207	ug/l		99
68) m/p-Xylenes	11.627	106	206893	43.337	ug/l		91
69) o-Xylene	11.957	106	101305	22.085	ug/l		92
70) Styrene	11.969	104	169589	21.914	ug/l		96
71) Bromoform	12.133	173	27006	20.953	ug/l	#	96
73) Isopropylbenzene	12.255	105	279407	22.921	ug/l		98
74) N-amyl acetate	12.072	43	66203	20.505	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	50684	23.400	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	38401m	13.526	ug/l		
77) Bromobenzene	12.530	156	56164	21.712	ug/l		82
78) n-propylbenzene	12.597	91	343867	23.346	ug/l		96
79) 2-Chlorotoluene	12.682	91	195534	23.156	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	222848	22.637	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.304	75	13267	18.862	ug/l	#	74
82) 4-Chlorotoluene	12.780	91	197968	22.928	ug/l		94
83) tert-Butylbenzene	12.999	119	203816	23.111	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	222603	22.807	ug/l		95
85) sec-Butylbenzene	13.176	105	310322	23.551	ug/l		97
86) p-Isopropyltoluene	13.292	119	245620	22.956	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	116601	22.321	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	112002	21.825	ug/l		96
89) n-Butylbenzene	13.621	91	243887	23.344	ug/l		96
90) Hexachloroethane	13.883	117	48185	23.128	ug/l		85
91) 1,2-Dichlorobenzene	13.664	146	99833	21.750	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6267	18.130	ug/l		82
93) 1,2,4-Trichlorobenzene	14.919	180	52264	20.307	ug/l		94
94) Hexachlorobutadiene	15.023	225	30415	21.256	ug/l		98
95) Naphthalene	15.145	128	88614	18.255	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	43447	19.970	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020003.D
Acq On : 24 Oct 2024 11:43
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 25 01:38:17 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

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

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

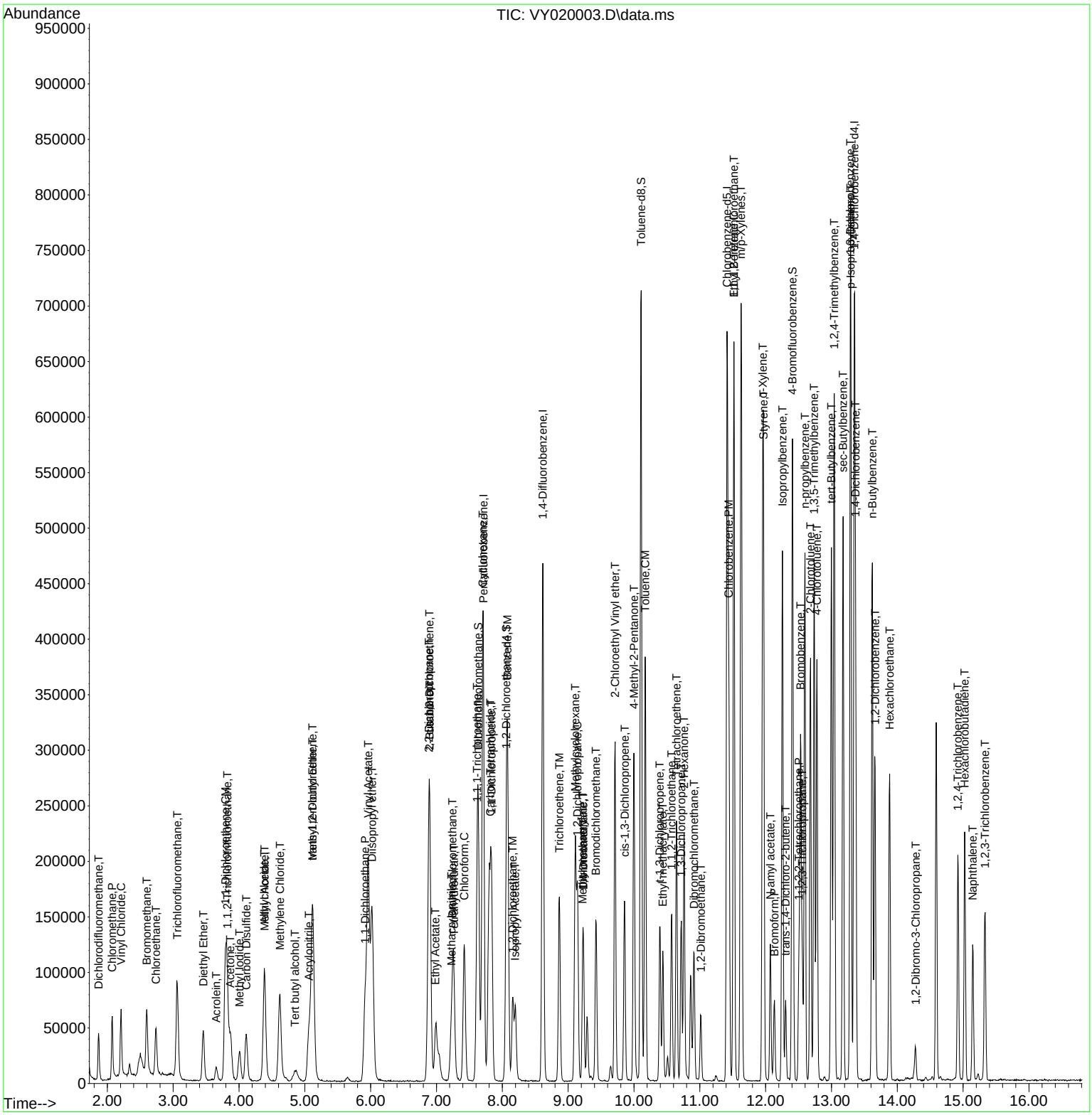
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020003.D
Acq On : 24 Oct 2024 11:43
Operator : SY/MD
Sample : VY1024SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 25 01:38:17 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

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024



Raw Data: **VY020004.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	P4473
Lab Sample ID:	VY1024SBSD01	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
VY020004.D	1		10/24/24 12:06	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	17.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.4		1.00	5.00	ug/Kg
75-00-3	Chloroethane	18.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.5		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	12.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.7		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.3		0.87	5.00	ug/Kg
71-43-2	Benzene	18.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	17.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	18.3		0.67	5.00	ug/Kg

Raw Data: **VY020004.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	P4473
Lab Sample ID:	VY1024SBSD01	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
VY020004.D	1		10/24/24 12:06	VY102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.0		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.7		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	37.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.9		0.70	5.00	ug/Kg
100-42-5	Styrene	18.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (54) - 130 (147)	103%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (29) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	7.707			
540-36-3	1,4-Difluorobenzene	406000	8.616			
3114-55-4	Chlorobenzene-d5	340000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.347			

Raw Data: **VY020004.D**

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

Report of Analysis

Client:	Yannuzzi Group, Inc.	Date Collected:	
Project:	86 Davidson Road, Piscataway, NJ	Date Received:	
Client Sample ID:	VY1024SBSD01	SDG No.:	P4473
Lab Sample ID:	VY1024SBSD01	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
VY020004.D	1		10/24/24 12:06	VY102424

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\VY102424\
Data File : VY020004.D
Acq On : 24 Oct 2024 12:06
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1024SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

Quant Time: Oct 25 01:39:15 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	7.707	168	225293	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	405827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	155771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145085	52.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.600%			
35) Dibromofluoromethane	7.634	113	138500	51.717	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.103	98	490649	49.613	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.220%			
62) 4-Bromofluorobenzene	12.402	95	172583	48.297	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	34416	16.410	ug/l	100
3) Chloromethane	2.068	50	47854	17.531	ug/l	100
4) Vinyl Chloride	2.208	62	52240	17.391	ug/l	97
5) Bromomethane	2.598	94	36812	19.362	ug/l	95
6) Chloroethane	2.739	64	37319	18.493	ug/l	98
7) Trichlorofluoromethane	3.062	101	84259	18.851	ug/l	98
8) Diethyl Ether	3.458	74	24760	18.227	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.824	101	50888	19.573	ug/l	89
10) Methyl Iodide	4.007	142	41238	15.683	ug/l #	87
11) Tert butyl alcohol	4.872	59	23439	93.291	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	42376	17.533	ug/l	84
13) Acrolein	3.659	56	15224	74.688	ug/l	96
14) Allyl chloride	4.385	41	81443	18.676	ug/l #	88
15) Acrylonitrile	5.061	53	62668	100.861	ug/l	99
16) Acetone	3.879	43	75278	104.245	ug/l #	78
17) Carbon Disulfide	4.110	76	78370	12.097	ug/l	97
18) Methyl Acetate	4.385	43	30224	19.429	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	136572	19.669	ug/l	99
20) Methylene Chloride	4.622	84	52575	19.208	ug/l #	85
21) trans-1,2-Dichloroethene	5.122	96	44693	16.990	ug/l	88
22) Diisopropyl ether	6.019	45	200077	21.063	ug/l #	87
23) Vinyl Acetate	5.964	43	538507	98.890	ug/l #	91
24) 1,1-Dichloroethane	5.915	63	108546	20.557	ug/l	95
25) 2-Butanone	6.903	43	101170	104.668	ug/l #	79
26) 2,2-Dichloropropane	6.884	77	90139	19.169	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	61528	18.927	ug/l	83
28) Bromochloromethane	7.250	49	47008	20.227	ug/l #	73
29) Tetrahydrofuran	7.268	42	54201	98.208	ug/l #	80
30) Chloroform	7.427	83	113294	21.048	ug/l	94
31) Cyclohexane	7.701	56	79071	17.059	ug/l	91
32) 1,1,1-Trichloroethane	7.622	97	95128	20.167	ug/l	94
36) 1,1-Dichloropropene	7.841	75	70641	18.310	ug/l	93
37) Ethyl Acetate	6.988	43	38601	19.187	ug/l	96
38) Carbon Tetrachloride	7.817	117	78353	18.944	ug/l	98
39) Methylcyclohexane	9.109	83	79386	16.330	ug/l #	84
40) Benzene	8.085	78	215567	18.462	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020004.D
Acq On : 24 Oct 2024 12:06
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 25 01:39:15 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 :
VY1024SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	22071	20.270	ug/l	#	86
42) 1,2-Dichloroethane	8.165	62	66246	19.748	ug/l		93
43) Isopropyl Acetate	8.201	43	78688	19.179	ug/l	#	76
44) Trichloroethene	8.866	130	50044	17.696	ug/l		89
45) 1,2-Dichloropropane	9.140	63	57904	19.813	ug/l		94
46) Dibromomethane	9.231	93	29781	18.651	ug/l		89
47) Bromodichloromethane	9.426	83	85144	20.089	ug/l		97
48) Methyl methacrylate	9.219	41	33204	18.398	ug/l	#	80
49) 1,4-Dioxane	9.231	88	6208	347.374	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.000	43	209987	100.342	ug/l		89
52) Toluene	10.170	92	133608	18.331	ug/l		97
53) t-1,3-Dichloropropene	10.396	75	68565	17.980	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	84152	18.702	ug/l	#	86
55) 1,1,2-Trichloroethane	10.573	97	42382	20.146	ug/l		99
56) Ethyl methacrylate	10.438	69	54970	18.210	ug/l	#	70
57) 1,3-Dichloropropane	10.719	76	71502	19.354	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	148071	105.369	ug/l		91
59) 2-Hexanone	10.762	43	150927	100.976	ug/l		86
60) Dibromochloromethane	10.908	129	51415	19.041	ug/l		98
61) 1,2-Dibromoethane	11.012	107	34368	18.079	ug/l		98
64) Tetrachloroethene	10.646	164	42801	17.722	ug/l		95
65) Chlorobenzene	11.438	112	148820	19.163	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	52158	19.850	ug/l		99
67) Ethyl Benzene	11.518	91	267762	18.980	ug/l		98
68) m/p-Xylenes	11.627	106	197011	37.813	ug/l		92
69) o-Xylene	11.950	106	94766	18.931	ug/l		92
70) Styrene	11.969	104	158858	18.809	ug/l		95
71) Bromoform	12.133	173	25837	18.368	ug/l	#	99
73) Isopropylbenzene	12.255	105	264183	20.163	ug/l		98
74) N-amyl acetate	12.072	43	68177	19.646	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	50285	21.599	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	35749m	11.715	ug/l		
77) Bromobenzene	12.530	156	52081	18.732	ug/l		79
78) n-propylbenzene	12.597	91	324842	20.518	ug/l		95
79) 2-Chlorotoluene	12.676	91	178942	19.715	ug/l		95
80) 1,3,5-Trimethylbenzene	12.737	105	207438	19.604	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.298	75	13859	18.332	ug/l	#	80
82) 4-Chlorotoluene	12.773	91	183621	19.786	ug/l		94
83) tert-Butylbenzene	12.993	119	194453	20.514	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	204353	19.479	ug/l		96
85) sec-Butylbenzene	13.176	105	286202	20.208	ug/l		99
86) p-Isopropyltoluene	13.292	119	226779	19.719	ug/l		96
87) 1,3-Dichlorobenzene	13.286	146	106778	19.017	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	105340	19.097	ug/l		95
89) n-Butylbenzene	13.615	91	228408	20.340	ug/l		97
90) Hexachloroethane	13.877	117	45074	20.128	ug/l		86
91) 1,2-Dichlorobenzene	13.657	146	95350	19.327	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7245	19.499	ug/l		70
93) 1,2,4-Trichlorobenzene	14.919	180	49166	17.773	ug/l		98
94) Hexachlorobutadiene	15.023	225	28367	18.444	ug/l		98
95) Naphthalene	15.145	128	90941	17.430	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	40772	17.435	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020004.D
Acq On : 24 Oct 2024 12:06
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 25 01:39:15 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 :
VY1024SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

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

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

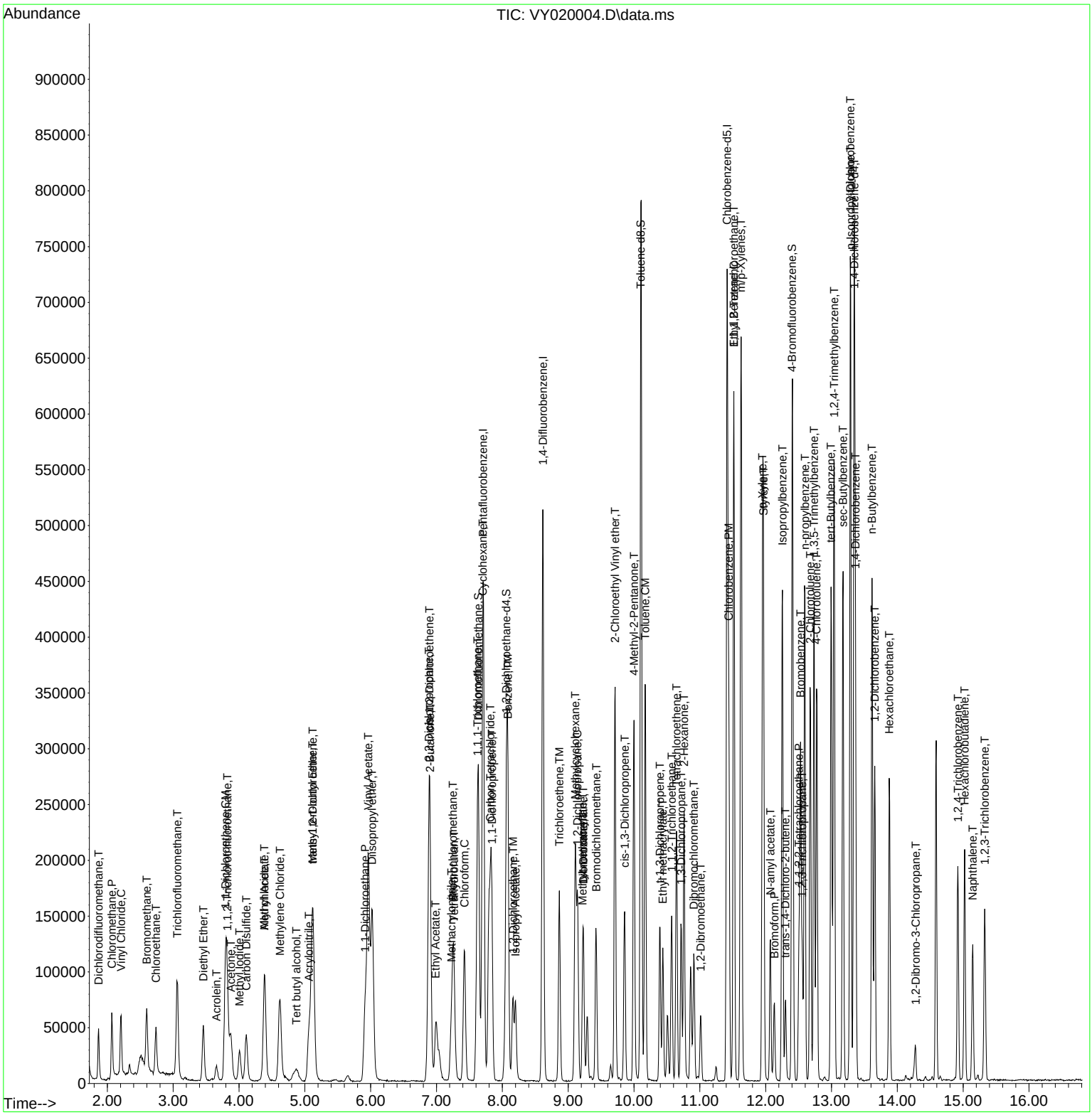
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102424\
Data File : VY020004.D
Acq On : 24 Oct 2024 12:06
Operator : SY/MD
Sample : VY1024SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 25 01:39:15 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 :
VY1024SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024



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:	VY102424	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020001.D	1,2,3-Trichloropropane	MMDadoda	10/25/2024 3:23:36 PM	SAM	10/25/2024 3:28:12 PM	Peak Integrated by Software
VY1024SBS01	VY020003.D	1,2,3-Trichloropropane	MMDadoda	10/25/2024 3:23:39 PM	SAM	10/25/2024 3:28:14 PM	Peak Integrated by Software
VY1024SBS01	VY020003.D	Tert butyl alcohol	MMDadoda	10/25/2024 3:23:39 PM	SAM	10/25/2024 3:28:14 PM	Peak Integrated by Software
VY1024SBSD01	VY020004.D	1,2,3-Trichloropropane	MMDadoda	10/25/2024 3:23:41 PM	SAM	10/25/2024 3:28:15 PM	Peak Integrated by Software
VSTDCCC050	VY020015.D	1,2,3-Trichloropropane	MMDadoda	10/25/2024 3:23:43 PM	SAM	10/25/2024 3:28:17 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 # VY102424

Review By	Mahesh Dadoda	Review On	10/25/2024 3:23:49 PM	
Supervise By	Semsettin Yesilyurt	Supervise On	10/25/2024 3:28:21 PM	
SubDirectory	VY102424	HP Acquire Method		HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131074
Initial Calibration Stds	
CCC	VP131075,VP131076
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	VY020000.D	24 Oct 2024 09:35	SY/MD	Ok
2	VSTDCCC050	VY020001.D	24 Oct 2024 10:18	SY/MD	Ok,M
3	VY1024SBL01	VY020002.D	24 Oct 2024 10:58	SY/MD	Ok
4	VY1024SBS01	VY020003.D	24 Oct 2024 11:43	SY/MD	Ok,M
5	VY1024SBSD01	VY020004.D	24 Oct 2024 12:06	SY/MD	Ok,M
6	P4473-01	VY020005.D	24 Oct 2024 12:36	SY/MD	Ok
7	P4486-01	VY020006.D	24 Oct 2024 12:59	SY/MD	Not Ok
8	P4509-02	VY020007.D	24 Oct 2024 13:23	SY/MD	ReRun
9	P4487-01RE	VY020008.D	24 Oct 2024 13:46	SY/MD	Confirms
10	P4485-01	VY020009.D	24 Oct 2024 14:10	SY/MD	Ok
11	P4531-01	VY020010.D	24 Oct 2024 15:32	SY/MD	ReRun
12	P4508-03	VY020011.D	24 Oct 2024 15:56	SY/MD	Ok
13	P4508-07	VY020012.D	24 Oct 2024 16:19	SY/MD	Ok
14	P4508-11	VY020013.D	24 Oct 2024 16:43	SY/MD	Ok
15	P4512-03	VY020014.D	24 Oct 2024 17:06	SY/MD	Ok
16	VSTDCCC050	VY020015.D	24 Oct 2024 17:29	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 # VY102424

Review By	Mahesh Dadoda	Review On	10/25/2024 3:23:49 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/25/2024 3:28:21 PM
SubDirectory	VY102424	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131074
Initial Calibration Stds	
CCC	VP131075,VP131076
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	VY020000.D	24 Oct 2024 09:35		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020001.D	24 Oct 2024 10:18		SY/MD	Ok,M
3	VY1024SBL01	VY1024SBL01	VY020002.D	24 Oct 2024 10:58		SY/MD	Ok
4	VY1024SBS01	VY1024SBS01	VY020003.D	24 Oct 2024 11:43		SY/MD	Ok,M
5	VY1024SBSD01	VY1024SBSD01	VY020004.D	24 Oct 2024 12:06		SY/MD	Ok,M
6	P4473-01	TS-1	VY020005.D	24 Oct 2024 12:36	vial-B	SY/MD	Ok
7	P4486-01	EO-03-102224	VY020006.D	24 Oct 2024 12:59	Vial-B Not purged	SY/MD	Not Ok
8	P4509-02	AU-06-10232024	VY020007.D	24 Oct 2024 13:23	Internal Standard Fail vial-A	SY/MD	ReRun
9	P4487-01RE	BP-B5RE	VY020008.D	24 Oct 2024 13:46	Internal Standard Fail vial-B	SY/MD	Confirms
10	P4485-01	D20241001-01-04	VY020009.D	24 Oct 2024 14:10	vial-B	SY/MD	Ok
11	P4531-01	OR-03-102424	VY020010.D	24 Oct 2024 15:32	Internal Standard Fail vial-A	SY/MD	ReRun
12	P4508-03	TP-3-VOC	VY020011.D	24 Oct 2024 15:56	vial-A	SY/MD	Ok
13	P4508-07	BP-F23-VOC	VY020012.D	24 Oct 2024 16:19	vial-A	SY/MD	Ok
14	P4508-11	BP-F22-VOC	VY020013.D	24 Oct 2024 16:43	vial-A	SY/MD	Ok
15	P4512-03	VNJ-212	VY020014.D	24 Oct 2024 17:06	vial-A	SY/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VY020015.D	24 Oct 2024 17:29		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 10/22/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 10/23/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133050

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
P4473-01	TS-1	1	1.15	8.77	9.92	5.43	48.8	
P4474-01	TS-2	2	1.13	8.66	9.79	5.3	48.2	
P4485-01	D20241001-01-04	3	1.14	8.83	9.97	6.28	58.2	
P4486-01	EO-03-102224	4	1.19	8.57	9.76	9.27	94.3	
P4486-02	EO-03-102224-E2	5	1.18	8.48	9.66	9.13	93.8	
P4487-01	BP-B5	6	1.12	8.64	9.76	8.94	90.5	
P4487-02	BP-B5-EPH	7	1.18	8.59	9.77	8.98	90.8	
P4487-03	BP-B5-VOC	8	1.18	8.56	9.74	8.94	90.7	
P4487-05	BP-F27	9	1.14	8.83	9.97	9.06	89.7	
P4487-06	BP-F27-EPH	10	1.14	8.52	9.66	8.85	90.5	
P4487-07	BP-B27-VOC	11	1.12	8.70	9.82	8.96	90.1	
P4488-01	OIL-1	12	1.00	1.00	2.00	2.00	100.0	oil sample
P4488-02	1017-B	13	1.00	1.00	2.00	2.00	100.0	oil sample
P4489-01	RT-2675	14	1.14	8.58	9.72	8.93	90.8	
P4489-02	RT-2675-E2	15	1.17	8.50	9.67	8.86	90.5	

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

WORKLIST(Hardcopy Internal Chain)

VB133050

WorkList Name : %1-102224 **WorkList ID :** 184646 **Department :** Wet-Chemistry **Date :** 10-22-2024 08:07:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4473-01	TS-1	Solid	Percent Solids	Cool 4 deg C	YANN01	K61	10/18/2024	Chemtech -SO
P4474-01	TS-2	Solid	Percent Solids	Cool 4 deg C	YANN01	K61	10/18/2024	Chemtech -SO
P4485-01	D20241001-01-04	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/22/2024	Chemtech -SO
P4486-01	EO-03-102224	Solid	Percent Solids	Cool 4 deg C	PSEG05	K62	10/22/2024	Chemtech -SO
P4486-02	EO-03-102224-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K62	10/22/2024	Chemtech -SO
P4487-01	BP-B5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-02	BP-B5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-03	BP-B5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-05	BP-F27	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-06	BP-F27-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4487-07	BP-B27-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-01	OIL-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4488-02	1017-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4489-01	RT-2675	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO
P4489-02	RT-2675-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/22/2024	Chemtech -SO

Date/Time 10/22/24 15:40
Raw Sample Received by: JB WC
Raw Sample Relinquished by: AP SM

Date/Time 10/22/24 17:00
Raw Sample Received by: AP SM
Raw Sample Relinquished by: JB WC

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: P4473

COC Number:

CLIENT INFORMATION

COMPANY: Yannuzzi Group, Inc.
ADDRESS: 135 Kinnelon Rd, Suite 102
CITY Kinnelon STATE:NJ ZIP:07405
ATTENTION: Rafael Nunez
PHONE: 908-218-0880 FAX: 908-218-.0884

PROJECT INFORMATION

PROJECT NAME: Yannuzzi - 1
PROJECT #:1 LOCATION: Edison, NJ
PROJECT MANAGER: Rafael Nunez
E-MAIL:Rafael@yannuzzigroup.com
PHONE:908-864-3106 FAX:908-218-0884

BILLING INFORMATION

BILL TO:Yannuzzi Group, Inc. PO# 2022-84
ADDRESS:135 Kinnelon Road, Suite 102
CITY:Kinnelon STATE:NJ ZIP:07405
ATTENTION: Edgar Gavilanes PHONE: 908-218-0880

DATA TURNAROUND INFORMATION

FAX:_____Rush_____DAYS*
HARD COPY:_____Rush_____DAYS*
EDD_____Rush_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☒ RESULTS + QC
- ☐ New Jersey REDUCED
- ☒ New Jersey CLP
- ☐ EDD Format_____
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP+30	TPH GC	VOC	SVOC	PCB	PES TIS IDE	ICP-TAL		

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. TS-1	TOPSOIL	Composite	X		10/18/24	10:00		X	X	X	X	X	X	X			<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.		1. 15:00 10/21/24
RELINQUISHED BY 2	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:

Page_____of_____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

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 (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
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 : P4473 YANN01
Client Name : Yannuzzi Group, Inc.
Client Contact : Alyssa Yannuzzi
Invoice Name : Yannuzzi Group, Inc.
Invoice Contact : Alyssa Yannuzzi

Order Date : 10/21/2024 3:15:00 PM
Project Name : Yannuzzi - TS-1
Receive DateTime : 10/21/2024 3:00:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Results+QC
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 10/21/2024 4:15:14 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4473-01	TS-1	Solid	10/18/2024	10:00					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		2 Bus. Days

Relinguished By : CP
Date / Time : 10.22.24 1050

Received By :
Date / Time : 10.22.24 10:50
Storage Area : VOA Refridgerator Room