DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH

Client : RMJ Environomics, Inc.

Project Location : Midland

Project Number :

Laboratory Sample ID(s) : O5252

Sampling Date(s) : 11/03/2023

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7471B,8081B,8082A,8260D,8270E,9012B,9095B,NJEPH,SMO**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : O5252

Project ID : 245 Greenwood Ave

Client : RMJ Environomics, Inc.

Lab Sample Number	Client Sample Number
O5252-01	WASTE
O5252-03	WASTE-VOC

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

Signature : _____ Date: 11/21/2023

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RMJ Environomics, Inc.
Project Name: 245 Greenwood Ave
Project # N/A
Chemtech Project # O5252
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 11/03/2023.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, Paint Filter, PCB, Pesticide-TCL, SVOC-TCL BNA -20, TCL+30/TAL, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .

The Blank analysis indicated presence of Methylene Chloride[7.2 ug/Kg] FileID:VY016244.D{VY1107SBL01} due to possible lab contamination.

The %RSD is greater than 15% in the Initial Calibration method (82Y103123S.M) for Acetone, Methylene Chloride these compounds are passing on Linear Regression.

The Continuous Calibration File ID VY016243.D met the requirements except for Carbon Tetrachloride failing high but no positive hit in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

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E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **O5252**

	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	✓

1st Level QA Review Signature: **SOHIL JODHANI** **Date:** **11/21/2023**

2nd Level QA Review Signature: _____ **Date:** _____

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-03	**WASTE-VOC**	**SOIL**			**11/03/23**			**11/03/23**
			VOC-TCLVOA-10	8260D			11/07/23	

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Hit Summary Sheet
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WASTE-VOC**							
O5252-03	WASTE-VOC	SOIL	Methylene Chloride	0.038	B	0.0061	0.010	mg/Kg
			Total Voc :	0.038				
			Total Concentration:	0.038				

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QC SUMMARY

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Surrogate Summary

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
O5252-03	WASTE-VOC	1,2-Dichloroethane-d4	50	58.6	117	70 (50)	130 (163)
		Dibromofluoromethane	50	49.7	99	70 (54)	130 (147)
		Toluene-d8	50	49.0	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.6	87	70 (39)	130 (149)
VY1107SBL01	VY1107SBL01	1,2-Dichloroethane-d4	50	62.4	125	70 (50)	130 (163)
		Dibromofluoromethane	50	49.2	98	70 (54)	130 (147)
		Toluene-d8	50	49.6	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	51.2	102	70 (39)	130 (149)
VY1107SBS01	VY1107SBS01	1,2-Dichloroethane-d4	50	52.4	105	70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100	70 (54)	130 (147)
		Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.4	97	70 (39)	130 (149)
VY1107SBSD01	VY1107SBSD01	1,2-Dichloroethane-d4	50	53.4	107	70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100	70 (54)	130 (147)
		Toluene-d8	50	50.8	102	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.1	100	70 (39)	130 (149)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016245.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBS01	Dichlorodifluoromethane	20	17.9	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	15.9	ug/Kg	79			40 (70)	160 (130)	
	Vinyl chloride	20	17.4	ug/Kg	87			70 (72)	130 (129)	
	Bromomethane	20	17.3	ug/Kg	86			40 (58)	160 (141)	
	Chloroethane	20	17.8	ug/Kg	89			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			70 (79)	130 (121)	
	Acetone	100	96.7	ug/Kg	97			40 (60)	160 (131)	
	Carbon disulfide	20	15.1	ug/Kg	76			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106			70 (77)	130 (129)	
	Methyl Acetate	20	22.0	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	20.0	ug/Kg	100			70 (39)	130 (175)	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Cyclohexane	20	18.2	ug/Kg	91			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.3	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			70 (80)	130 (126)	
	Methylcyclohexane	20	18.1	ug/Kg	91			70 (77)	130 (123)	
	Benzene	20	19.1	ug/Kg	96			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	Bromodichloromethane	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.7	ug/Kg	104			70 (80)	130 (125)	
	Tetrachloroethene	20	18.4	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.1	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.5	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	21.5	ug/Kg	108			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.6	ug/Kg	113			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100			40 (66)	160 (134)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016245.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBS01	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.3	ug/Kg	92			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016246.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBSD01	Dichlorodifluoromethane	20	17.9	ug/Kg	90	0		40 (64)	160 (136)	30 (20)
	Chloromethane	20	16.7	ug/Kg	84	6		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.6	ug/Kg	93	7		70 (72)	130 (129)	30 (20)
	Bromomethane	20	18.7	ug/Kg	94	9		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.8	ug/Kg	94	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.0	ug/Kg	105	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.8	ug/Kg	99	2		70 (79)	130 (121)	30 (20)
	Acetone	100	95.6	ug/Kg	96	1		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	15.7	ug/Kg	79	4		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	22.0	ug/Kg	110	4		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.3	ug/Kg	112	2		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.4	ug/Kg	107	7		70 (39)	130 (175)	30 (20)
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100	5		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.7	ug/Kg	109	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.6	ug/Kg	93	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	21.3	ug/Kg	106	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108	6		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.2	ug/Kg	106	8		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.7	ug/Kg	109	3		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105	3		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	17.9	ug/Kg	90	1		70 (77)	130 (123)	30 (20)
	Benzene	20	19.9	ug/Kg	100	4		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.6	ug/Kg	98	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.2	ug/Kg	106	1		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.5	ug/Kg	108	3		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		40 (70)	160 (135)	30 (20)
	Toluene	20	19.9	ug/Kg	100	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106	0		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.6	ug/Kg	108	4		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.8	ug/Kg	104	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.6	ug/Kg	93	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.1	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.7	ug/Kg	99	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.2	ug/Kg	101	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.0	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.3	ug/Kg	106	2		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.9	ug/Kg	104	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	21.2	ug/Kg	106	4		70 (83)	130 (124)	30 (20)
	1,2-Dibromo-3-Chloropropane	20	21.3	ug/Kg	106	6		40 (66)	160 (134)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8260D **Datafile :** VY016246.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1107SBSD01	1,2,4-Trichlorobenzene	20	20.8	ug/Kg	104	10		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103	11		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1107SBL01

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: VY016244.D Lab Sample ID: VY1107SBL01

Date Analyzed: 11/07/2023 Time Analyzed: 09:31

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1107SBS01	VY1107SBS01	VY016245.D	11/07/2023
VY1107SBSD01	VY1107SBSD01	VY016246.D	11/07/2023
WASTE-VOC	O5252-03	VY016247.D	11/07/2023

COMMENTS:

Raw Data: **VY016140.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016140.D BFB Injection Date: 10/31/2023

Instrument ID: MSVOA_Y BFB Injection Time: 08:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	84.6
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	81.6 (96.5) 1
177	5.0 - 9.0% of mass 176	5.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY016142.D	10/31/2023	12:26
VSTDICC010	VSTDICC010	VY016143.D	10/31/2023	12:49
VSTDICC020	VSTDICC020	VY016144.D	10/31/2023	13:12
VSTDICCC050	VSTDICCC050	VY016145.D	10/31/2023	13:37
VSTDICC100	VSTDICC100	VY016146.D	10/31/2023	14:13
VSTDICC150	VSTDICC150	VY016147.D	10/31/2023	14:40

Raw Data: **VY016242.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: VY016242.D BFB Injection Date: 11/07/2023

Instrument ID: MSVOA_Y BFB Injection Time: 08:03

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	90.3
175	5.0 - 9.0% of mass 174	6.8 (7.5) 1
176	95.0 - 101.0% of mass 174	86.8 (96.1) 1
177	5.0 - 9.0% of mass 176	6.1 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY016243.D	11/07/2023	08:35
VY1107SBL01	VY1107SBL01	VY016244.D	11/07/2023	09:31
VY1107SBS01	VY1107SBS01	VY016245.D	11/07/2023	10:08
VY1107SBSD01	VY1107SBSD01	VY016246.D	11/07/2023	10:31
WASTE-VOC	O5252-03	VY016247.D	11/07/2023	11:34

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016243.D Date Analyzed: 11/07/2023

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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	164275	7.80	262616	8.70	222967	11.50
UPPER LIMIT	328550	8.295	525232	9.197	445934	12.002
LOWER LIMIT	82137.5	7.295	131308	8.197	111484	11.002
EPA SAMPLE NO.						
WASTE-VOC	104317	7.80	183103	8.70	164024	11.50
VY1107SBL01	106864	7.80	189173	8.70	181795	11.50
VY1107SBS01	169940	7.80	275085	8.70	237625	11.50
VY1107SBSD01	160601	7.80	263538	8.70	230283	11.50

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.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG NO.: 05252

Lab File ID: VY016243.D Date Analyzed: 11/07/2023

Instrument ID: MSVOA_Y Time Analyzed: 08:35

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

	IS4 AREA #	RT #				
12 HOUR STD	100419	13.434				
UPPER LIMIT	200838	13.934				
LOWER LIMIT	50209.5	12.934				
EPA SAMPLE NO.						
WASTE-VOC	59390	13.43				
VY1107SBL01	83712	13.43				
VY1107SBS01	111499	13.43				
VY1107SBSD01	109001	13.43				

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.

CHEMTECH

SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 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
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0016	U	0.0016	0.0051	mg/Kg
74-87-3	Chloromethane	0.00092	U	0.00092	0.0051	mg/Kg
75-01-4	Vinyl Chloride	0.00094	U	0.00094	0.0051	mg/Kg
74-83-9	Bromomethane	0.0012	U	0.0012	0.0051	mg/Kg
75-00-3	Chloroethane	0.00089	U	0.00089	0.0051	mg/Kg
75-69-4	Trichlorofluoromethane	0.0011	U	0.0011	0.0051	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00073	U	0.00073	0.0051	mg/Kg
75-35-4	1,1-Dichloroethene	0.00080	U	0.00080	0.0051	mg/Kg
67-64-1	Acetone	0.0095	U	0.0095	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0022	U	0.0022	0.0051	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00066	U	0.00066	0.0051	mg/Kg
79-20-9	Methyl Acetate	0.0016	U	0.0016	0.0051	mg/Kg
75-09-2	Methylene Chloride	0.038	B	0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00074	U	0.00074	0.0051	mg/Kg
75-34-3	1,1-Dichloroethane	0.00073	U	0.00073	0.0051	mg/Kg
110-82-7	Cyclohexane	0.00071	U	0.00071	0.0051	mg/Kg
78-93-3	2-Butanone	0.0074	U	0.0074	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00079	U	0.00079	0.0051	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00065	U	0.00065	0.0051	mg/Kg
74-97-5	Bromochloromethane	0.0024	U	0.0024	0.0051	mg/Kg
67-66-3	Chloroform	0.0013	U	0.0013	0.0051	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00077	U	0.00077	0.0051	mg/Kg
108-87-2	Methylcyclohexane	0.0034	U	0.0034	0.0051	mg/Kg
71-43-2	Benzene	0.00067	U	0.00067	0.0051	mg/Kg
107-06-2	1,2-Dichloroethane	0.00073	U	0.00073	0.0051	mg/Kg
79-01-6	Trichloroethene	0.00067	U	0.00067	0.0051	mg/Kg
78-87-5	1,2-Dichloropropane	0.00060	U	0.00060	0.0051	mg/Kg
75-27-4	Bromodichloromethane	0.00071	U	0.00071	0.0051	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0046	U	0.0046	0.025	mg/Kg
108-88-3	Toluene	0.00066	U	0.00066	0.0051	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00078	U	0.00078	0.0051	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00075	U	0.00075	0.0051	mg/Kg

Raw Data: **VY016247.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 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
VY016247.D	1		11/07/23 11:34	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.00087	U	0.00087	0.0051	mg/Kg
591-78-6	2-Hexanone	0.0053	U	0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00086	U	0.00086	0.0051	mg/Kg
106-93-4	1,2-Dibromoethane	0.00080	U	0.00080	0.0051	mg/Kg
127-18-4	Tetrachloroethene	0.00078	U	0.00078	0.0051	mg/Kg
108-90-7	Chlorobenzene	0.00064	U	0.00064	0.0051	mg/Kg
100-41-4	Ethyl Benzene	0.00068	U	0.00068	0.0051	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.00078	U	0.00078	0.0051	mg/Kg
100-42-5	Styrene	0.00070	U	0.00070	0.0051	mg/Kg
75-25-2	Bromoform	0.00096	U	0.00096	0.0051	mg/Kg
98-82-8	Isopropylbenzene	0.00072	U	0.00072	0.0051	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0051	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00069	U	0.00069	0.0051	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00061	U	0.00061	0.0051	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00061	U	0.00061	0.0051	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.0051	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00062	U	0.00062	0.0051	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00064	U	0.00064	0.0051	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (39) - 130 (149)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	7.795			
540-36-3	1,4-Difluorobenzene	183000	8.697			
3114-55-4	Chlorobenzene-d5	164000	11.502			
3855-82-1	1,4-Dichlorobenzene-d4	59400	13.434			

Raw Data: **VY016247.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE-VOC	SDG No.:	O5252
Lab Sample ID:	O5252-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	4.94 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
VY016247.D	1		11/07/23 11:34	VY110723

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\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Time: Nov 07 23:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

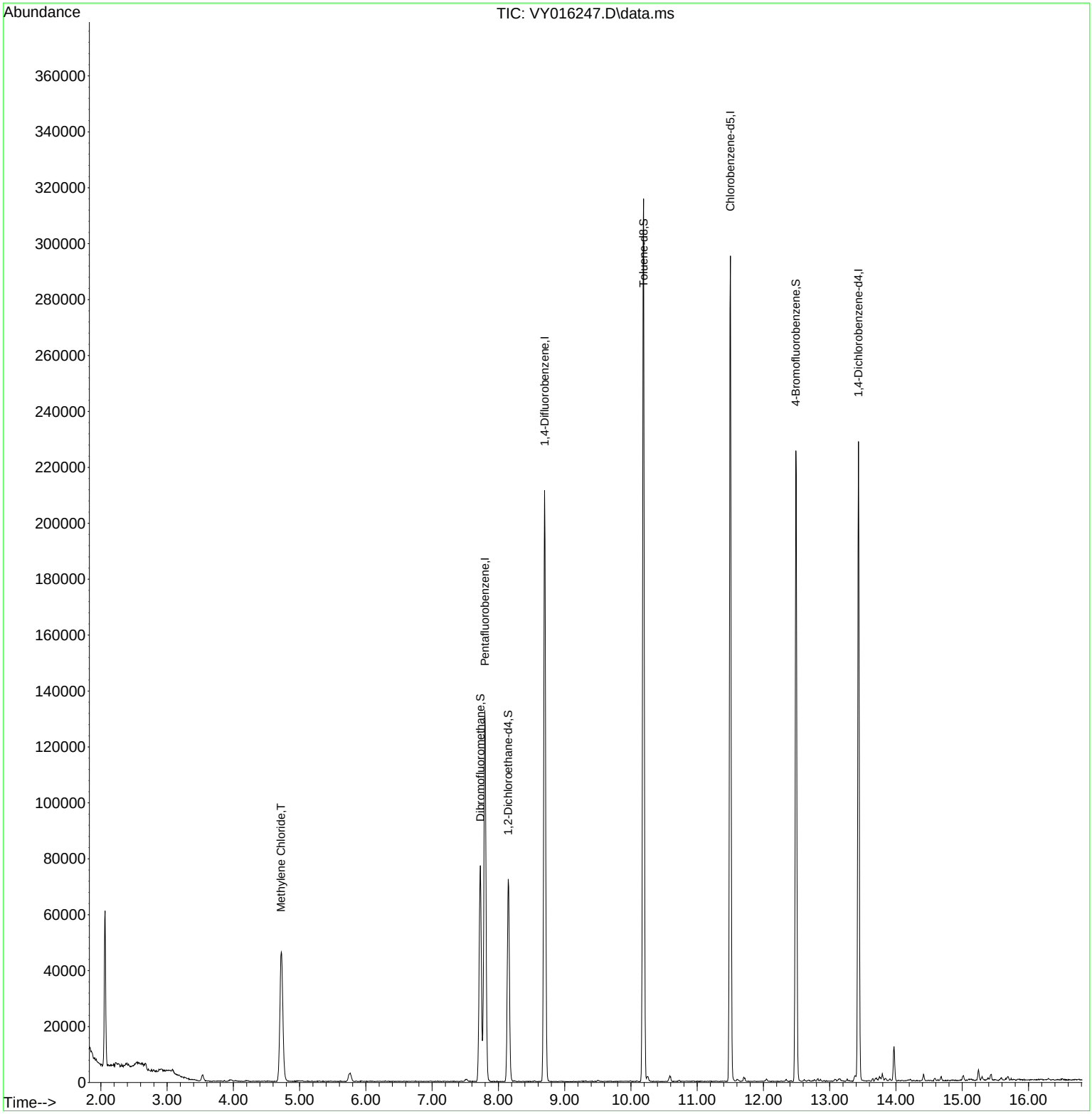
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	104317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	183103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	164024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	59390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	57215	58.614	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.220%			
35) Dibromofluoromethane	7.728	113	54282	49.727	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.460%			
50) Toluene-d8	10.191	98	211918	48.964	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.489	95	64491	43.577	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.160%			
Target Compounds						Qvalue
20) Methylene Chloride	4.716	84	37538	37.018	ug/l #	83

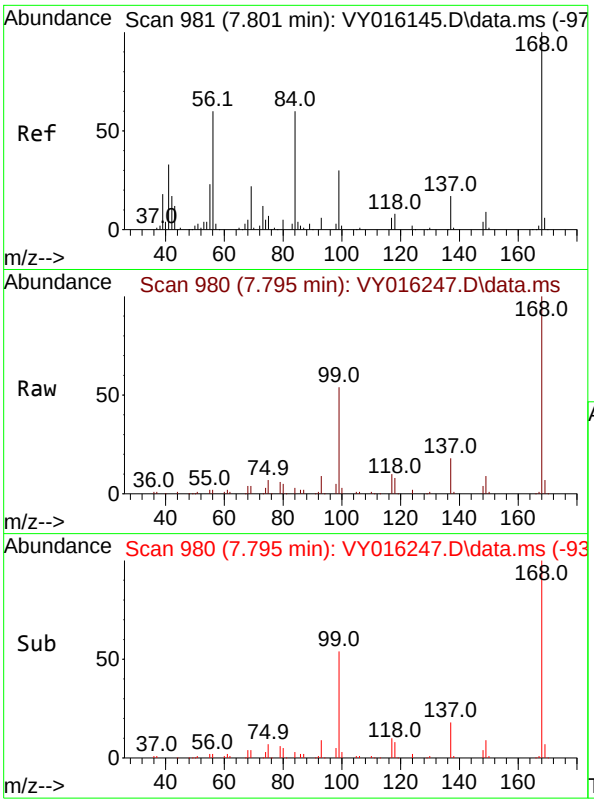
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Time: Nov 07 23:44:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



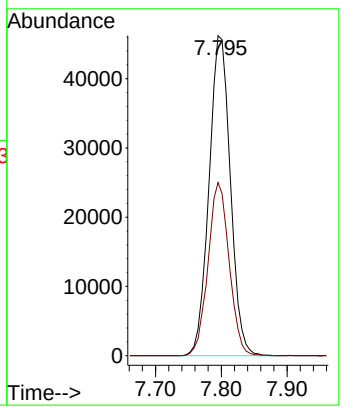


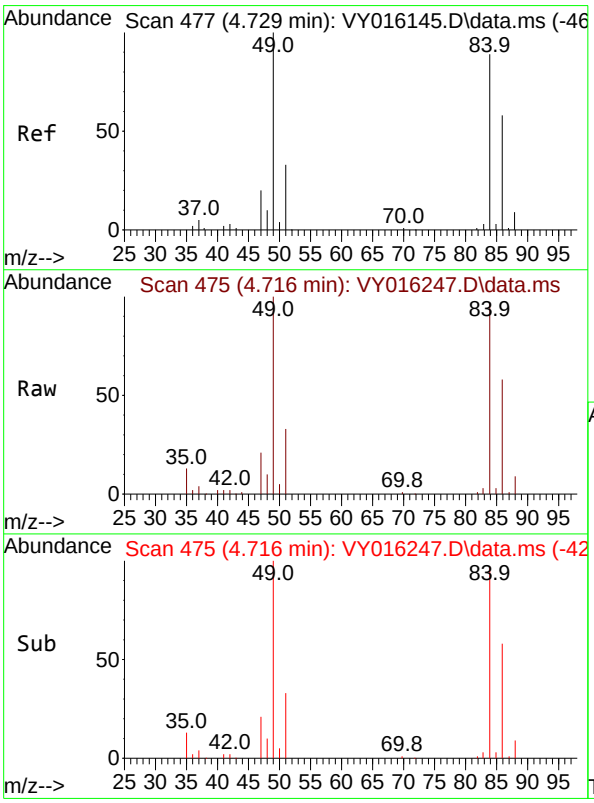
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:168 Resp: 104317

Ion	Ratio	Lower	Upper
168	100		
99	54.1	43.4	65.0

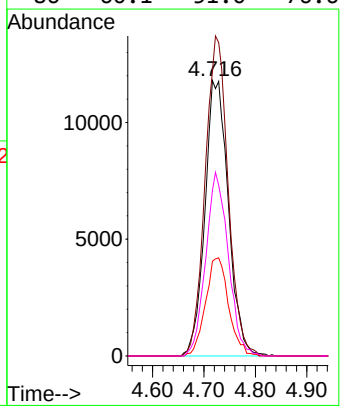


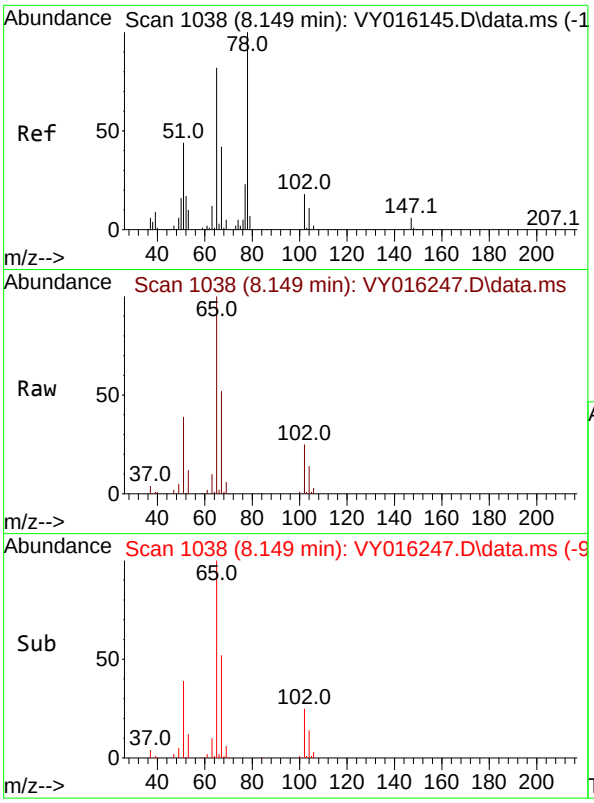


#20
Methylene Chloride
Concen: 37.018 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion: 84 Resp: 37538

Ion	Ratio	Lower	Upper
84	100		
49	103.4	106.9	160.3#
51	34.4	33.2	49.8
86	60.1	51.0	76.6



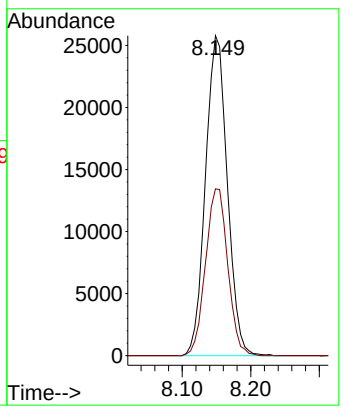


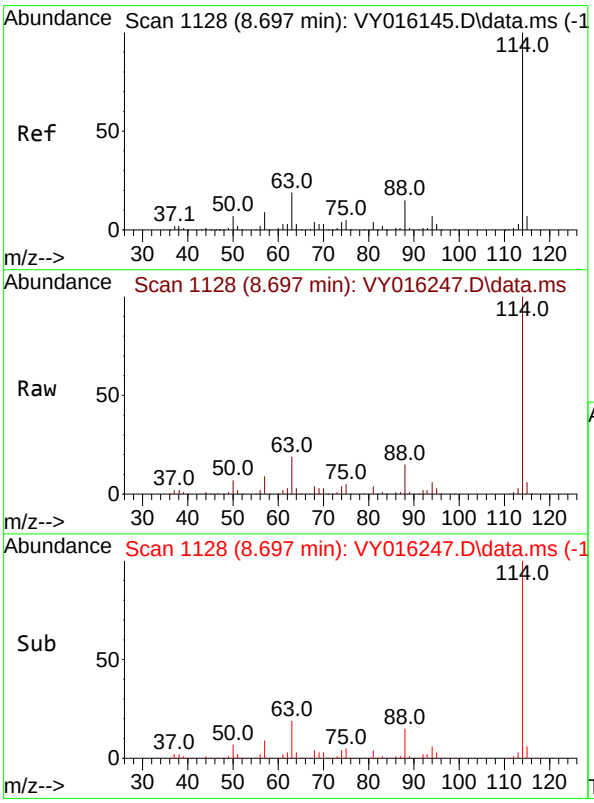
#33
1,2-Dichloroethane-d4
Concen: 58.614 ug/l
RT: 8.149 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion: 65 Resp: 57215

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	101.8

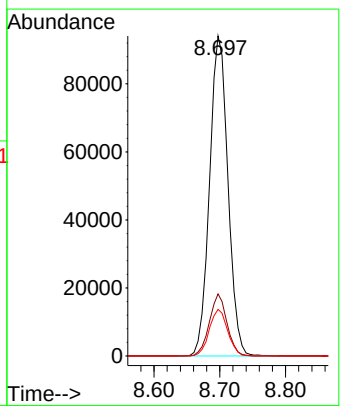


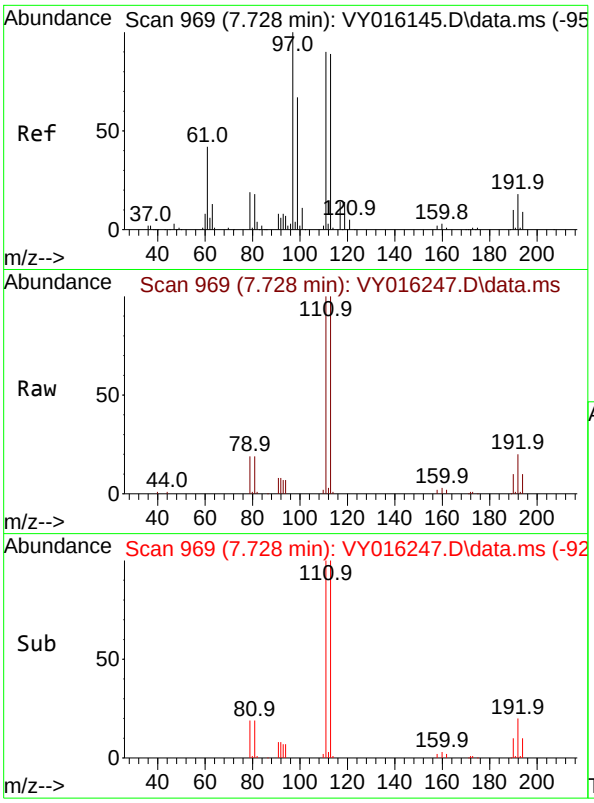


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion:114 Resp: 183103

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.4
88	14.6	0.0	30.6



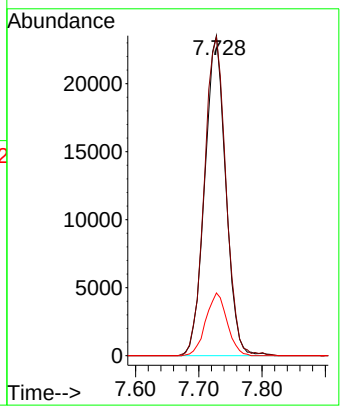


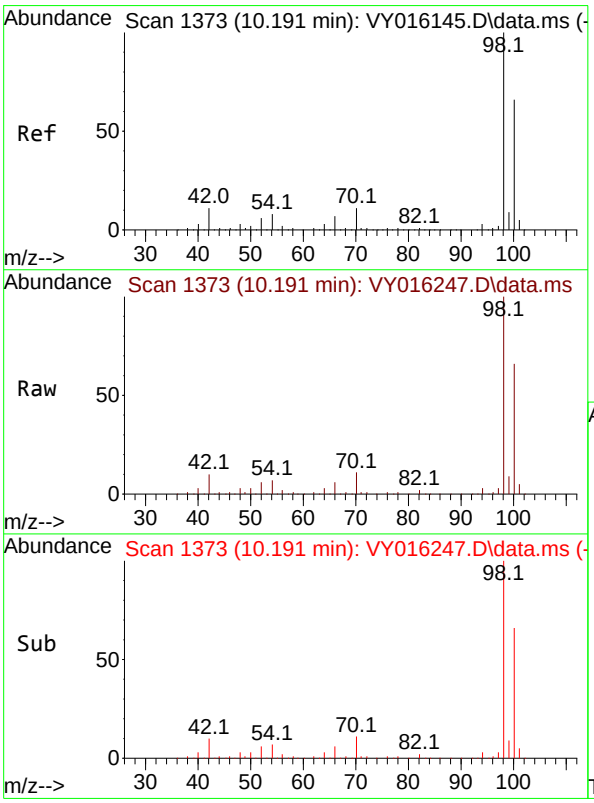
#35
Dibromofluoromethane
Concen: 49.727 ug/l
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:113 Resp: 54282

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	19.9	16.9	25.3

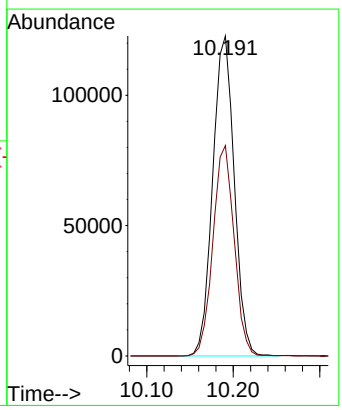


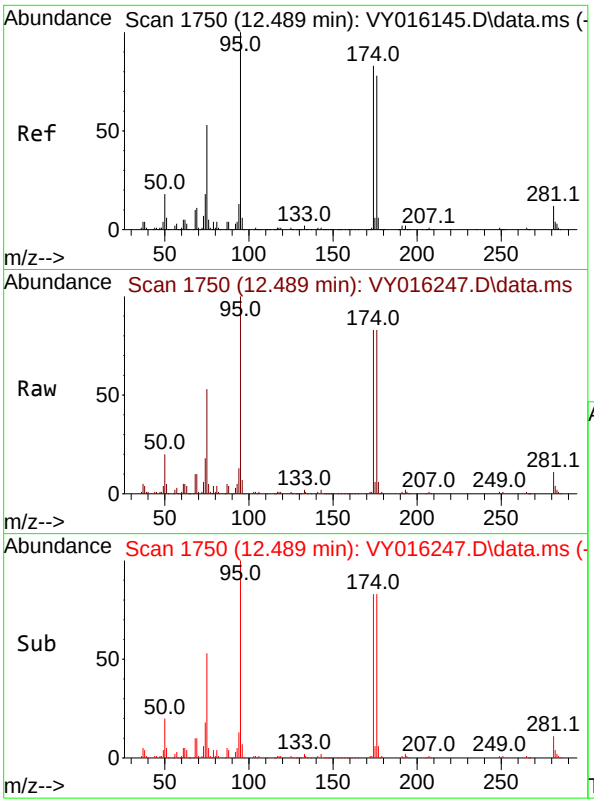


#50
Toluene-d8
Concen: 48.964 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion: 98 Resp: 211918

Ion	Ratio	Lower	Upper
98	100		
100	64.9	50.1	75.1



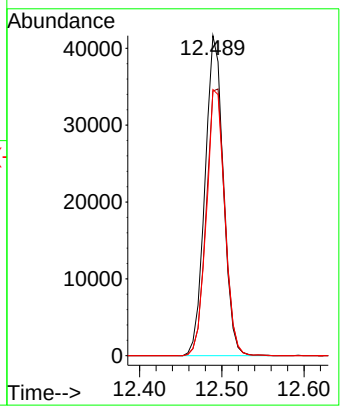


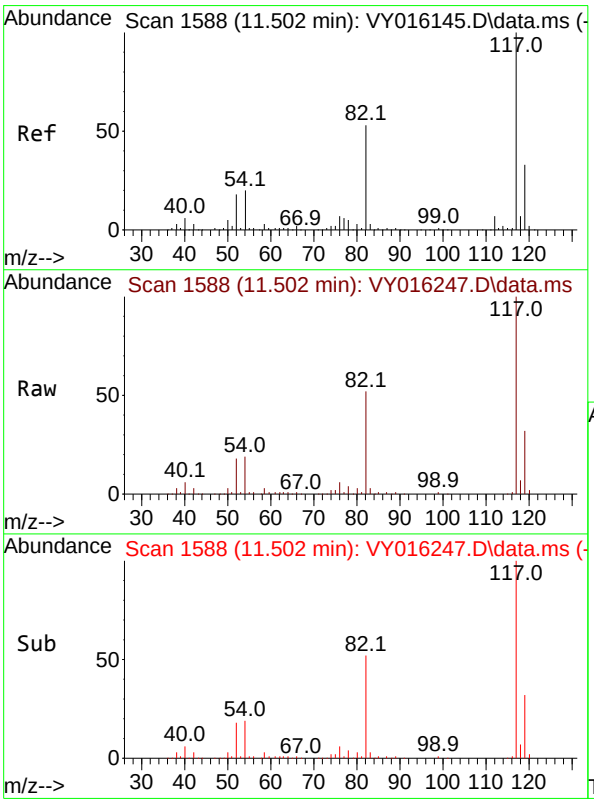
#62
4-Bromofluorobenzene
Concen: 43.577 ug/l
RT: 12.489 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion: 95 Resp: 64491

Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	178.2
176	83.4	0.0	173.8

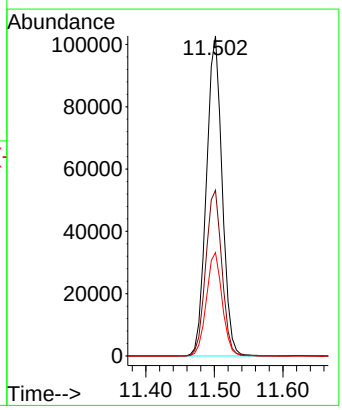


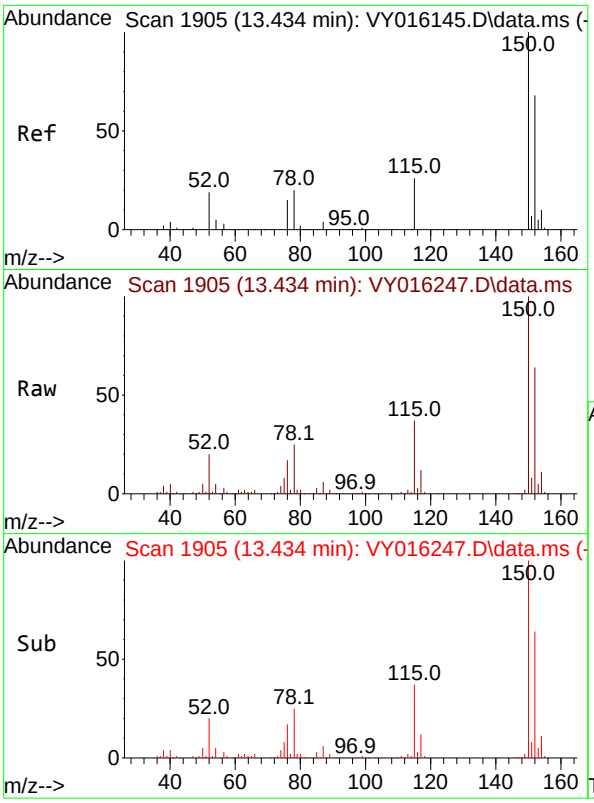


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Tgt Ion:117 Resp: 164024

Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.4	65.0
119	32.3	26.3	39.5



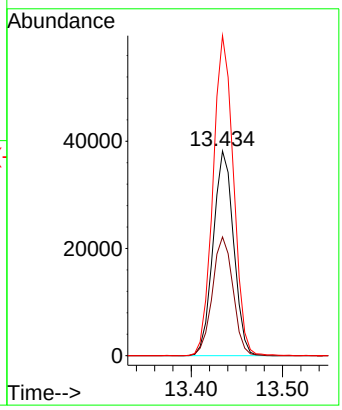


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016247.D
Acq: 07 Nov 2023 11:34

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Tgt Ion:152 Resp: 59390

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	156.3	0.0	348.8



Sample Results: **VY016247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

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\82Y103123S.M
Title : SW846 8260

Signal : TIC: VY016247.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.064	34	40	46	rVB	55441	80397	14.72%	2.641%
2	4.722	465	476	492	rBV2	46220	145393	26.62%	4.775%
3	5.765	636	647	657	rBV3	3112	9914	1.82%	0.326%
4	7.728	959	969	974	rBV	77235	179841	32.93%	5.907%
5	7.795	974	980	992	rVB	132639	295975	54.19%	9.721%
6	8.149	1030	1038	1049	rBV	72364	161864	29.63%	5.316%
7	8.697	1119	1128	1143	rVB	211505	408363	74.77%	13.412%
8	10.191	1365	1373	1380	rBV	315678	546195	100.00%	17.939%
9	11.502	1580	1588	1599	rBV	295259	476968	87.33%	15.665%
10	12.489	1743	1750	1765	rVB2	225587	365565	66.93%	12.007%
11	13.434	1899	1905	1914	rVB	228524	354868	64.97%	11.655%
12	13.971	1987	1993	2000	rVB2	12392	19376	3.55%	0.636%

Sum of corrected areas: 3044719

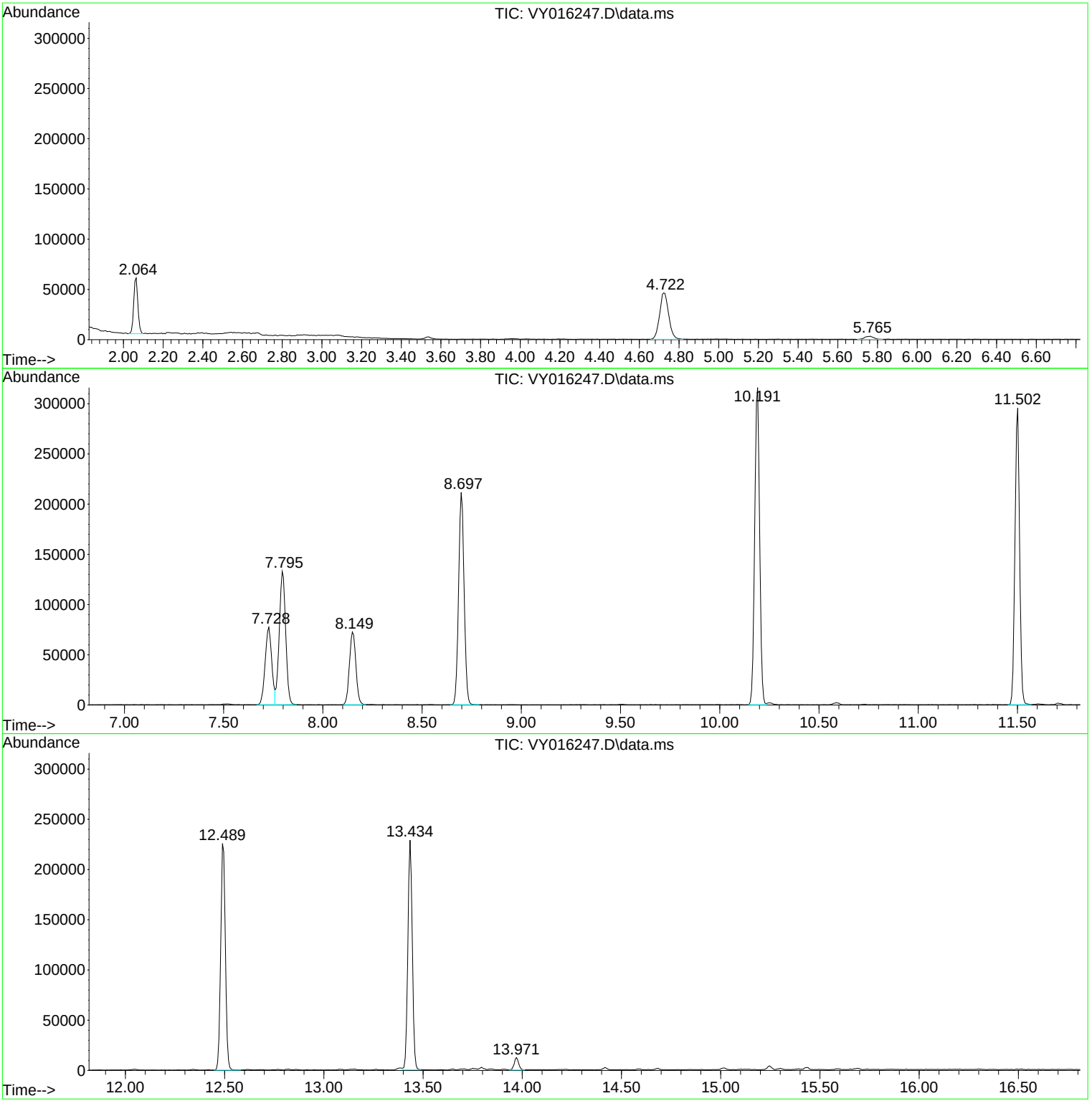
Sample Results: **VY016247.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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\VY110723\
Data File : VY016247.D
Acq On : 07 Nov 2023 11:34
Operator : SY/MD
Sample : 05252-03
Misc : 4.94g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WASTE-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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

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

CHEMTECH

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: MSVOA_Y Calibration Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:26 14:40

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

LAB FILE ID: RRF005 = VY016142.D RRF010 = VY016143.D RRF020 = VY016144.D
RRF050 = VY016145.D RRF100 = VY016146.D RRF150 = VY016147.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.280	0.326	0.304	0.335	0.346	0.322	0.319	7.5
Chloromethane	0.424	0.471	0.443	0.435	0.451	0.425	0.442	4
Vinyl Chloride	0.402	0.465	0.440	0.469	0.495	0.464	0.456	6.9
Bromomethane	0.282	0.307	0.299	0.302	0.333	0.323	0.308	6
Chloroethane	0.277	0.333	0.322	0.318	0.346	0.328	0.321	7.3
Trichlorofluoromethane	0.619	0.704	0.671	0.702	0.735	0.697	0.688	5.8
1,1,2-Trichlorotrifluoroethane	0.411	0.435	0.430	0.438	0.456	0.431	0.433	3.4
1,1-Dichloroethene	0.371	0.409	0.392	0.390	0.419	0.394	0.396	4.2
Acetone	0.118	0.102	0.084	0.069	0.077	0.069	0.086	22.6
Carbon Disulfide	0.858	0.981	0.958	1.015	1.088	1.026	0.988	7.8
Methyl tert-butyl Ether	0.969	1.171	1.139	1.071	1.240	1.162	1.125	8.4
Methyl Acetate	0.355	0.392	0.383	0.344	0.404	0.380	0.376	6
Methylene Chloride	0.683	0.611	0.511	0.459	0.485	0.448	0.533	17.6
trans-1,2-Dichloroethene	0.421	0.460	0.466	0.457	0.492	0.469	0.461	5
1,1-Dichloroethane	0.721	0.856	0.827	0.794	0.884	0.834	0.819	6.9
Cyclohexane	0.782	0.765	0.681	0.690	0.716	0.682	0.719	6.1
2-Butanone	0.138	0.142	0.128	0.113	0.132	0.122	0.129	8.1
Carbon Tetrachloride	0.343	0.420	0.418	0.443	0.478	0.458	0.426	11
cis-1,2-Dichloroethene	0.485	0.558	0.544	0.529	0.583	0.555	0.542	6.2
Bromochloromethane	0.313	0.316	0.297	0.303	0.311	0.299	0.307	2.6
Chloroform	0.792	0.938	0.908	0.871	0.946	0.896	0.892	6.3
1,1,1-Trichloroethane	0.731	0.849	0.823	0.812	0.869	0.824	0.818	5.8
Methylcyclohexane	0.466	0.503	0.500	0.539	0.556	0.519	0.514	6.2
Benzene	1.152	1.297	1.226	1.210	1.309	1.221	1.236	4.7
1,2-Dichloroethane	0.316	0.367	0.348	0.332	0.364	0.342	0.345	5.6
Trichloroethene	0.330	0.382	0.360	0.360	0.383	0.356	0.362	5.4
1,2-Dichloropropane	0.254	0.313	0.297	0.296	0.323	0.301	0.297	7.9
Bromodichloromethane	0.378	0.439	0.433	0.419	0.466	0.436	0.428	6.8
4-Methyl-2-Pentanone	0.167	0.200	0.191	0.180	0.207	0.190	0.189	7.5
Toluene	0.727	0.816	0.800	0.799	0.860	0.802	0.801	5.4
t-1,3-Dichloropropene	0.378	0.435	0.424	0.413	0.470	0.447	0.428	7.3
cis-1,3-Dichloropropene	0.443	0.520	0.503	0.486	0.546	0.514	0.502	7.1
1,1,2-Trichloroethane	0.213	0.257	0.236	0.228	0.254	0.236	0.237	7

* 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.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: MSVOA_Y Calibration Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Calibration Time(s): 12:26 14:40

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

LAB FILE ID: RRF005 = VY016142.D RRF010 = VY016143.D RRF020 = VY016144.D
RRF050 = VY016145.D RRF100 = VY016146.D RRF150 = VY016147.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Hexanone	0.115	0.139	0.130	0.123	0.142	0.129	0.130	7.8
Dibromochloromethane	0.261	0.313	0.298	0.288	0.322	0.303	0.298	7.2
1,2-Dibromoethane	0.203	0.237	0.228	0.217	0.242	0.227	0.226	6.2
Tetrachloroethene	0.431	0.472	0.446	0.445	0.458	0.416	0.445	4.5
Chlorobenzene	0.903	1.021	0.994	0.984	1.061	0.996	0.993	5.3
Ethyl Benzene	1.531	1.794	1.784	1.801	1.937	1.813	1.777	7.5
m/p-Xylenes	0.592	0.690	0.691	0.698	0.748	0.700	0.687	7.4
o-Xylene	0.580	0.657	0.649	0.655	0.716	0.676	0.656	6.8
Styrene	0.944	1.088	1.093	1.091	1.193	1.129	1.090	7.5
Bromoform	0.180	0.212	0.201	0.195	0.226	0.211	0.204	7.7
Isopropylbenzene	3.270	3.831	3.777	3.766	4.045	3.815	3.751	6.8
1,1,2,2-Tetrachloroethane	0.530	0.642	0.599	0.549	0.645	0.617	0.597	8
1,3-Dichlorobenzene	1.552	1.758	1.677	1.645	1.789	1.656	1.680	5.1
1,4-Dichlorobenzene	1.597	1.746	1.675	1.588	1.747	1.608	1.660	4.4
1,2-Dichlorobenzene	1.354	1.532	1.454	1.403	1.544	1.420	1.451	5.1
1,2-Dibromo-3-Chloropropane	0.114	0.115	0.103	0.099	0.108	0.101	0.107	6.5
1,2,4-Trichlorobenzene	0.907	0.961	0.910	0.883	0.907	0.807	0.896	5.7
1,2,3-Trichlorobenzene	0.796	0.819	0.785	0.737	0.775	0.679	0.765	6.6
1,2-Dichloroethane-d4	0.466	0.460	0.471	0.439	0.505	0.466	0.468	4.6
Dibromofluoromethane	0.295	0.288	0.303	0.283	0.320	0.300	0.298	4.4
Toluene-d8	1.142	1.123	1.164	1.155	1.301	1.205	1.182	5.5
4-Bromofluorobenzene	0.423	0.395	0.401	0.372	0.434	0.401	0.404	5.4

* 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 : 82Y103123S.M
Title : SW846 8260
Last Update : Wed Nov 01 03:33:29 2023
Response Via : Initial Calibration

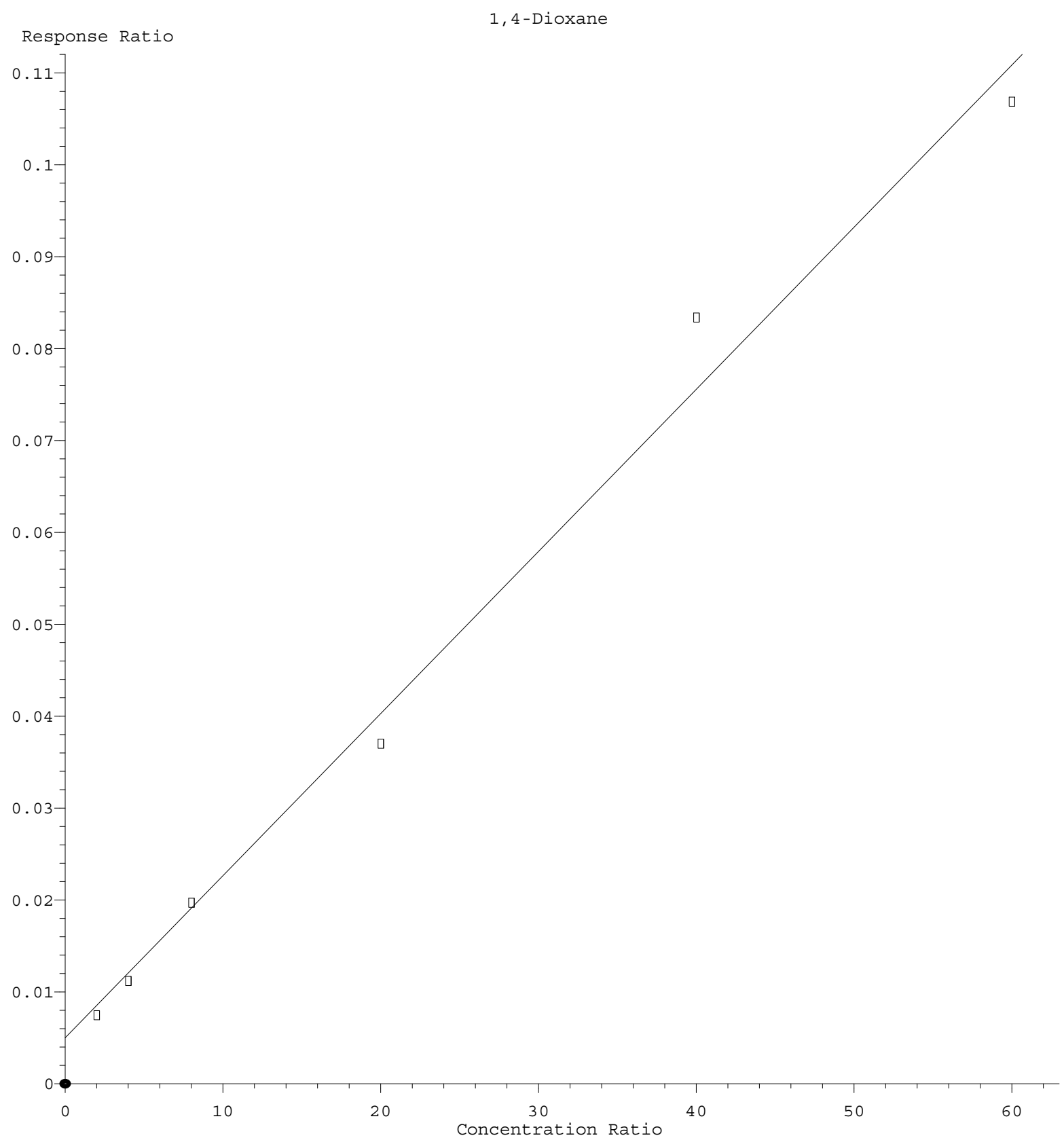
Calibration Files
5 =VY016142.D 10 =VY016143.D 20 =VY016144.D 50 =VY016145.D 100 =VY016146.D 150 =VY016147.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.280	0.326	0.304	0.335	0.346	0.322	0.319	7.46
3)	P	Chloromethane	0.424	0.471	0.443	0.435	0.451	0.425	0.442	4.04
4)	C	Vinyl Chloride	0.402	0.465	0.440	0.469	0.495	0.464	0.456	6.92#
5)	T	Bromomethane	0.282	0.307	0.299	0.302	0.333	0.323	0.308	5.97
6)	T	Chloroethane	0.277	0.333	0.322	0.318	0.346	0.328	0.321	7.28
7)	T	Trichlorofluor...	0.619	0.704	0.671	0.702	0.735	0.697	0.688	5.76
8)	T	Diethyl Ether	0.203	0.237	0.234	0.216	0.247	0.232	0.228	6.94
9)	T	1,1,2-Trichlor...	0.411	0.435	0.430	0.438	0.456	0.431	0.433	3.36
10)	T	Methyl Iodide	0.419	0.479	0.474	0.477	0.539	0.506	0.482	8.25
11)	T	Tert butyl alc...	0.041	0.039	0.036	0.028	0.033	0.031	0.035	13.97
12)	CM	1,1-Dichloroet...	0.371	0.409	0.392	0.390	0.419	0.394	0.396	4.21#
13)	T	Acrolein	0.043	0.037	0.038	0.028	0.033	0.031	0.035	15.58
14)	T	Allyl chloride	0.514	0.587	0.564	0.556	0.602	0.571	0.566	5.35
15)	T	Acrylonitrile	0.089	0.104	0.098	0.090	0.105	0.098	0.097	7.03
16)	T	Acetone	0.118	0.102	0.084	0.069	0.077	0.069	0.086	22.62
17)	T	Carbon Disulfide	0.858	0.981	0.958	1.015	1.088	1.026	0.988	7.82
18)	T	Methyl Acetate	0.355	0.392	0.383	0.344	0.404	0.380	0.376	5.98
19)	T	Methyl tert-bu...	0.969	1.171	1.139	1.071	1.240	1.162	1.125	8.35
20)	T	Methylene Chlo...	0.683	0.611	0.511	0.459	0.485	0.448	0.533	17.59
21)	T	trans-1,2-Dich...	0.421	0.460	0.466	0.457	0.492	0.469	0.461	5.03
22)	T	Diisopropyl ether	1.198	1.407	1.379	1.320	1.493	1.415	1.369	7.36
23)	T	Vinyl Acetate	0.594	0.689	0.674	0.640	0.737	0.698	0.672	7.40
24)	P	1,1-Dichloroet...	0.721	0.856	0.827	0.794	0.884	0.834	0.819	6.94
25)	T	2-Butanone	0.138	0.142	0.128	0.113	0.132	0.122	0.129	8.05
26)	T	2,2-Dichloropr...	0.669	0.789	0.775	0.776	0.839	0.798	0.774	7.32
27)	T	cis-1,2-Dichlo...	0.485	0.558	0.544	0.529	0.583	0.555	0.542	6.18
28)	T	Bromochloromet...	0.313	0.316	0.297	0.303	0.311	0.299	0.307	2.64
29)	T	Tetrahydrofuran	0.072	0.086	0.082	0.075	0.088	0.083	0.081	7.55
30)	C	Chloroform	0.792	0.938	0.908	0.871	0.946	0.896	0.892	6.29#
31)	T	Cyclohexane	0.782	0.765	0.681	0.690	0.716	0.682	0.719	6.14
32)	T	1,1,1-Trichlor...	0.731	0.849	0.823	0.812	0.869	0.824	0.818	5.81
33)	S	1,2-Dichloroet...	0.466	0.460	0.471	0.439	0.505	0.466	0.468	4.60
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.295	0.288	0.303	0.283	0.320	0.300	0.298	4.36
36)	T	1,1-Dichloropr...	0.390	0.452	0.430	0.430	0.455	0.426	0.430	5.39
37)	T	Ethyl Acetate	0.179	0.207	0.185	0.180	0.205	0.194	0.192	6.33
38)	T	Carbon Tetrach...	0.343	0.420	0.418	0.443	0.478	0.458	0.426	11.00
39)	T	Methylcyclohexane	0.466	0.503	0.500	0.539	0.556	0.519	0.514	6.15
40)	TM	Benzene	1.152	1.297	1.226	1.210	1.309	1.221	1.236	4.73
41)	T	Methacrylonitrile	0.116	0.135	0.093	0.095	0.113	0.116	0.111	14.03
42)	TM	1,2-Dichloroet...	0.316	0.367	0.348	0.332	0.364	0.342	0.345	5.59
43)	T	Isopropyl Acetate	0.335	0.406	0.382	0.354	0.415	0.383	0.379	8.08
44)	TM	Trichloroethene	0.330	0.382	0.360	0.360	0.383	0.356	0.362	5.39
45)	C	1,2-Dichloropr...	0.254	0.313	0.297	0.296	0.323	0.301	0.297	7.89#
46)	T	Dibromomethane	0.152	0.178	0.167	0.165	0.181	0.169	0.169	6.17
47)	T	Bromodichlorom...	0.378	0.439	0.433	0.419	0.466	0.436	0.428	6.81
48)	T	Methyl methacr...	0.143	0.186	0.174	0.164	0.191	0.177	0.172	10.04
49)	T	1,4-Dioxane	0.004	0.003	0.002	0.002	0.002	0.002	0.002	30.01
50)	S	Toluene-d8	1.142	1.123	1.164	1.155	1.301	1.205	1.182	5.46
51)	T	4-Methyl-2-Pen...	0.167	0.200	0.191	0.180	0.207	0.190	0.189	7.53
52)	CM	Toluene	0.727	0.816	0.800	0.799	0.860	0.802	0.801	5.36#
53)	T	t-1,3-Dichloro...	0.378	0.435	0.424	0.413	0.470	0.447	0.428	7.33
54)	T	cis-1,3-Dichlo...	0.443	0.520	0.503	0.486	0.546	0.514	0.502	7.05
55)	T	1,1,2-Trichlor...	0.213	0.257	0.236	0.228	0.254	0.236	0.237	6.98
56)	T	Ethyl methacry...	0.262	0.307	0.307	0.300	0.349	0.324	0.308	9.29

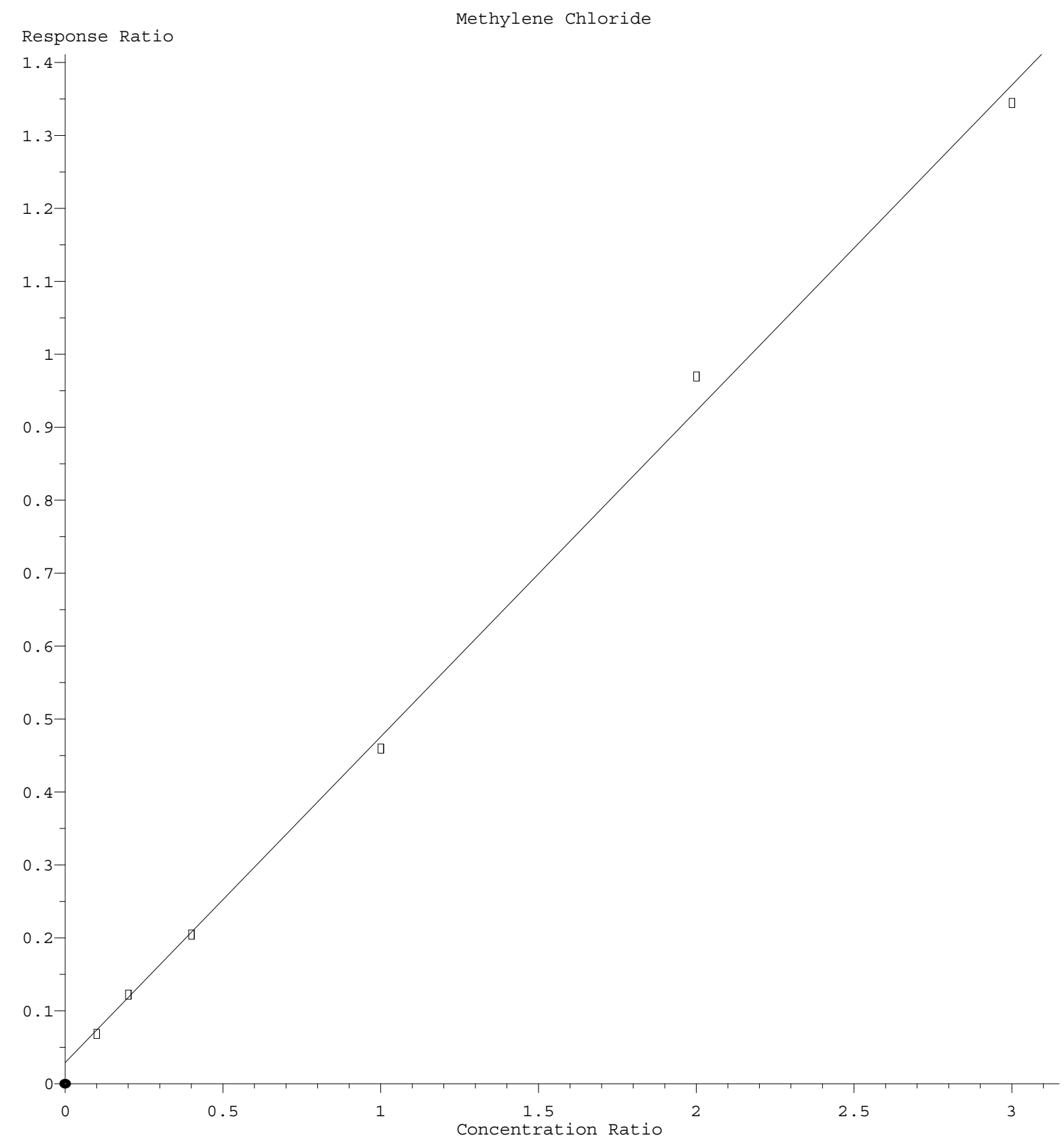
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y103123S.M

57)	T	1,3-Dichloropr...	0.379	0.422	0.409	0.383	0.431	0.400	0.404	5.13
58)	T	2-Chloroethyl ...	0.146	0.146	0.153	0.141	0.159	0.151	0.149	4.16
59)	T	2-Hexanone	0.115	0.139	0.130	0.123	0.142	0.129	0.130	7.81
60)	T	Dibromochlorom...	0.261	0.313	0.298	0.288	0.322	0.303	0.298	7.22
61)	T	1,2-Dibromoethane	0.203	0.237	0.228	0.217	0.242	0.227	0.226	6.21
62)	S	4-Bromofluorob...	0.423	0.395	0.401	0.372	0.434	0.401	0.404	5.38
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.431	0.472	0.446	0.445	0.458	0.416	0.445	4.48
65)	PM	Chlorobenzene	0.903	1.021	0.994	0.984	1.061	0.996	0.993	5.28
66)	T	1,1,1,2-Tetrac...	0.314	0.380	0.368	0.365	0.400	0.382	0.368	7.92
67)	C	Ethyl Benzene	1.531	1.794	1.784	1.801	1.937	1.813	1.777	7.48#
68)	T	m/p-Xylenes	0.592	0.690	0.691	0.698	0.748	0.700	0.687	7.44
69)	T	o-Xylene	0.580	0.657	0.649	0.655	0.716	0.676	0.656	6.75
70)	T	Styrene	0.944	1.088	1.093	1.091	1.193	1.129	1.090	7.50
71)	P	Bromoform	0.180	0.212	0.201	0.195	0.226	0.211	0.204	7.71
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.270	3.831	3.777	3.766	4.045	3.815	3.751	6.85
74)	T	N-amyl acetate	0.687	0.824	0.817	0.789	0.918	0.855	0.815	9.42
75)	P	1,1,2,2-Tetrac...	0.530	0.642	0.599	0.549	0.645	0.617	0.597	8.02
76)	T	1,2,3-Trichlor...	0.435	0.564	0.445	0.499	0.475	0.407	0.471	11.88
77)	T	Bromobenzene	0.761	0.891	0.842	0.820	0.913	0.867	0.849	6.42
78)	T	n-propylbenzene	3.987	4.505	4.459	4.473	4.751	4.430	4.434	5.59
79)	T	2-Chlorotoluene	2.192	2.561	2.519	2.440	2.642	2.486	2.473	6.22
80)	T	1,3,5-Trimethy...	2.715	3.098	3.083	3.035	3.267	3.034	3.039	5.93
81)	T	trans-1,4-Dich...	0.196	0.219	0.210	0.205	0.243	0.230	0.217	8.03
82)	T	4-Chlorotoluene	2.320	2.613	2.564	2.493	2.715	2.533	2.540	5.20
83)	T	tert-Butylbenzene	2.392	2.801	2.756	2.757	2.928	2.680	2.719	6.61
84)	T	1,2,4-Trimethy...	2.775	3.099	3.037	2.965	3.200	2.964	3.007	4.79
85)	T	sec-Butylbenzene	3.629	4.091	4.042	4.024	4.259	3.898	3.991	5.32
86)	T	p-Isopropyltol...	2.999	3.386	3.357	3.349	3.538	3.214	3.307	5.53
87)	T	1,3-Dichlorobe...	1.552	1.758	1.677	1.645	1.789	1.656	1.680	5.06
88)	T	1,4-Dichlorobe...	1.597	1.746	1.675	1.588	1.747	1.608	1.660	4.44
89)	T	n-Butylbenzene	2.881	3.141	3.088	3.070	3.183	2.871	3.039	4.37
90)	T	Hexachloroethane	0.471	0.565	0.565	0.575	0.645	0.598	0.570	9.99
91)	T	1,2-Dichlorobe...	1.354	1.532	1.454	1.403	1.544	1.420	1.451	5.15
92)	T	1,2-Dibromo-3-...	0.114	0.115	0.103	0.099	0.108	0.101	0.107	6.51
93)	T	1,2,4-Trichlor...	0.907	0.961	0.910	0.883	0.907	0.807	0.896	5.66
94)	T	Hexachlorobuta...	0.500	0.544	0.515	0.488	0.472	0.418	0.489	8.75
95)	T	Naphthalene	1.806	1.857	1.706	1.633	1.811	1.628	1.740	5.65
96)	T	1,2,3-Trichlor...	0.796	0.819	0.785	0.737	0.775	0.679	0.765	6.56

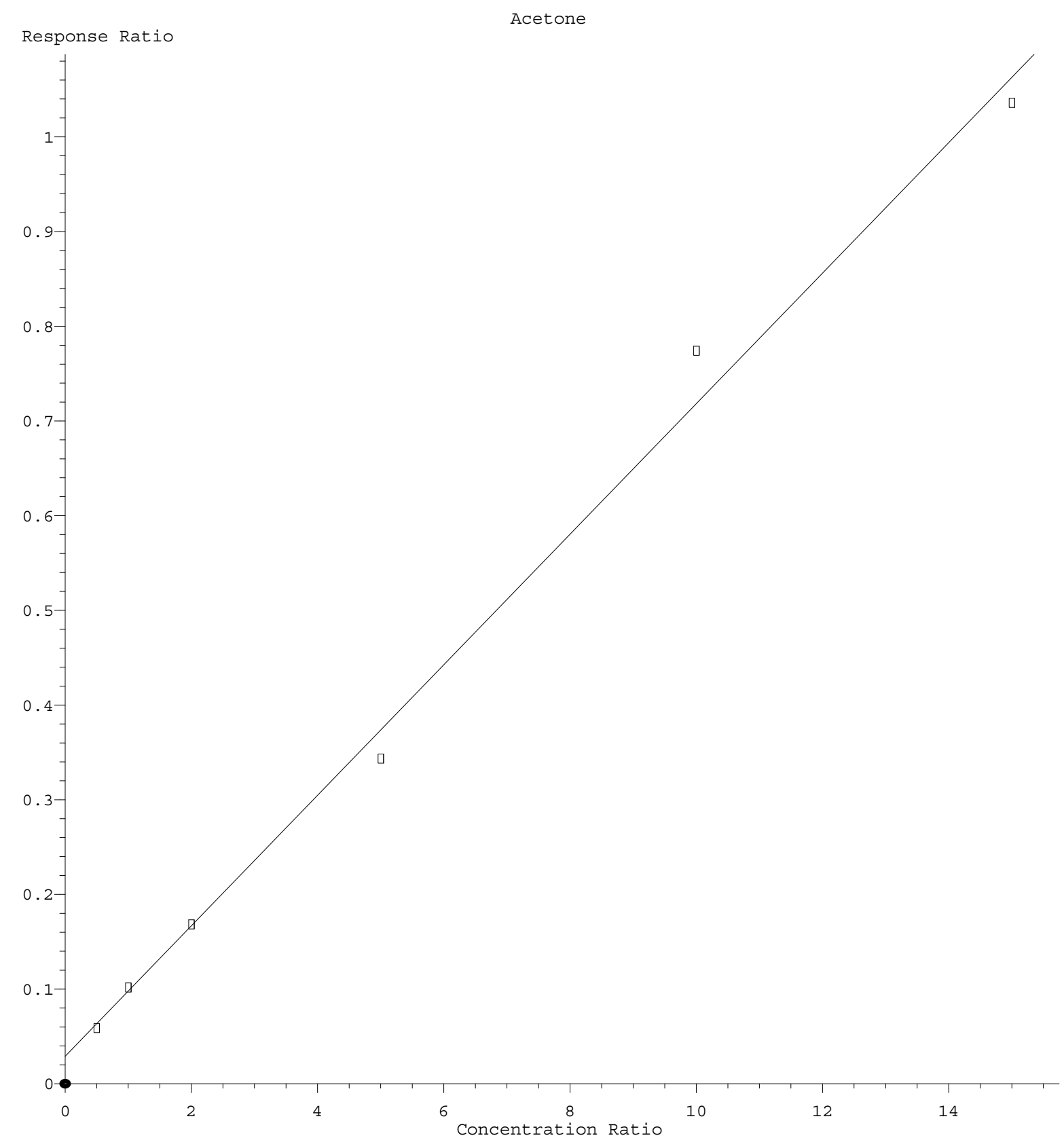
(#) = Out of Range



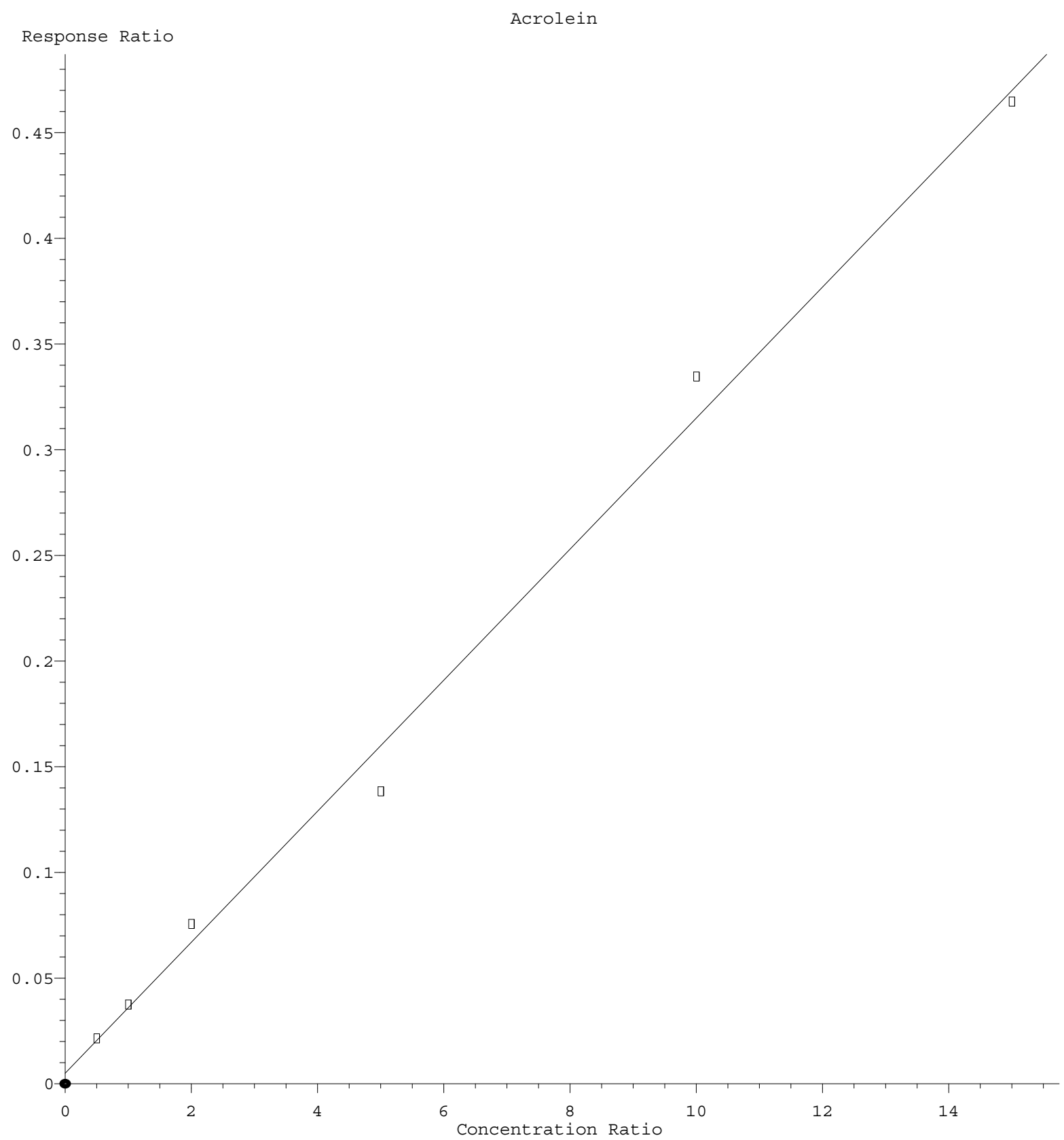
Response = 1.773e-003 * Amt + 4.658e-003
Coef of Det (r^2) = 0.989519 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y103123S.M
Calibration Table Last Updated: Wed Nov 01 03:33:29 2023



Response = 4.469e-001 * Amt + 2.899e-002
Coef of Det (r^2) = 0.997668 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y103123S.M
Calibration Table Last Updated: Wed Nov 01 03:33:29 2023



Response = 6.899e-002 * Amt + 2.850e-002
Coef of Det (r^2) = 0.994040 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y103123S.M
Calibration Table Last Updated: Wed Nov 01 03:33:29 2023



Response = 3.104e-002 * Amt + 5.391e-003
Coef of Det (r^2) = 0.994142 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y103123S.M
Calibration Table Last Updated: Wed Nov 01 03:33:29 2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016142.D
Acq On : 31 Oct 2023 12:26
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:14:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.807	168	175600	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.703	114	283774	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.502	117	247396	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	117344	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.155	65	8180	4.978	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.960%#			
35) Dibromofluoromethane	7.734	113	8362	4.943	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	9.880%#			
50) Toluene-d8	10.191	98	32404	4.831	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.660%#			
62) 4-Bromofluorobenzene	12.495	95	12004	5.234	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.460%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.912	85	4910	4.383	ug/l		99
3) Chloromethane	2.125	50	7444	4.800	ug/l		97
4) Vinyl Chloride	2.259	62	7061	4.411	ug/l		91
5) Bromomethane	2.662	94	4944	4.577	ug/l		96
6) Chloroethane	2.808	64	4871	4.322	ug/l		96
7) Trichlorofluoromethane	3.143	101	10867	4.497	ug/l		100
8) Diethyl Ether	3.540	74	3566	4.452	ug/l		88
9) 1,1,2-Trichlorotrifluo...	3.918	101	7223	4.745	ug/l		97
10) Methyl Iodide	4.107	142	7351	4.342	ug/l		99
11) Tert butyl alcohol	4.972	59	3603	29.348	ug/l	#	90
12) 1,1-Dichloroethene	3.893	96	6512	4.687	ug/l	#	79
13) Acrolein	3.741	56	3770	25.898	ug/l		100
14) Allyl chloride	4.503	41	9028	4.542	ug/l		97
15) Acrylonitrile	5.186	53	7821	22.852	ug/l		98
16) Acetone	3.966	43	10329	21.976	ug/l		99
17) Carbon Disulfide	4.216	76	15075	4.346	ug/l	#	92
18) Methyl Acetate	4.497	43	6228	4.713	ug/l	#	90
19) Methyl tert-butyl Ether	5.234	73	17015	4.305	ug/l		91
20) Methylene Chloride	4.735	84	11992	4.398	ug/l		85
21) trans-1,2-Dichloroethene	5.241	96	7389	4.565	ug/l		93
22) Diisopropyl ether	6.137	45	21038	4.376	ug/l		91
23) Vinyl Acetate	6.082	43	52134	22.089	ug/l	#	88
24) 1,1-Dichloroethane	6.039	63	12654	4.398	ug/l	#	89
25) 2-Butanone	7.002	43	12077	26.641	ug/l		99
26) 2,2-Dichloropropane	6.996	77	11754	4.322	ug/l		97
27) cis-1,2-Dichloroethene	7.009	96	8513	4.469	ug/l		91
28) Bromochloromethane	7.350	49	5502	5.111	ug/l	#	92
29) Tetrahydrofuran	7.368	42	6331	22.279	ug/l		93
30) Chloroform	7.521	83	13911	4.441	ug/l		95
31) Cyclohexane	7.801	56	13727	5.434	ug/l	#	65
32) 1,1,1-Trichloroethane	7.722	97	12828	4.466	ug/l		98
36) 1,1-Dichloropropene	7.935	75	11067	4.530	ug/l		99
37) Ethyl Acetate	7.094	43	5080	4.669	ug/l		99
38) Carbon Tetrachloride	7.917	117	9725	4.018	ug/l		88
39) Methylcyclohexane	9.197	83	13227	4.536	ug/l		94
40) Benzene	8.179	78	32688	4.661	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016142.D
Acq On : 31 Oct 2023 12:26
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:14:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.332	41	3298	5.222	ug/l	#	80
42) 1,2-Dichloroethane	8.252	62	8971	4.584	ug/l		95
43) Isopropyl Acetate	8.289	43	9496	4.412	ug/l		95
44) Trichloroethene	8.953	130	9360	4.561	ug/l		95
45) 1,2-Dichloropropane	9.228	63	7213	4.275	ug/l		99
46) Dibromomethane	9.319	93	4317	4.511	ug/l		96
47) Bromodichloromethane	9.514	83	10723	4.410	ug/l		95
48) Methyl methacrylate	9.307	41	4063	4.151	ug/l	#	88
49) 1,4-Dioxane	9.319	88	2118	60.320	ug/l	#	52
51) 4-Methyl-2-Pentanone	10.081	43	23675	22.046	ug/l		94
52) Toluene	10.258	92	20634	4.540	ug/l		94
53) t-1,3-Dichloropropene	10.477	75	10727	4.419	ug/l		95
54) cis-1,3-Dichloropropene	9.941	75	12557	4.408	ug/l	#	89
55) 1,1,2-Trichloroethane	10.654	97	6033	4.481	ug/l		99
56) Ethyl methacrylate	10.520	69	7433	4.251	ug/l		88
57) 1,3-Dichloropropane	10.801	76	10755	4.693	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.795	63	20735	24.457	ug/l		91
59) 2-Hexanone	10.843	43	16320	22.177	ug/l		93
60) Dibromochloromethane	10.996	129	7398	4.380	ug/l		99
61) 1,2-Dibromoethane	11.099	107	5766	4.503	ug/l		97
64) Tetrachloroethene	10.733	164	10663	4.846	ug/l		93
65) Chlorobenzene	11.526	112	22328	4.543	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.599	131	7771	4.269	ug/l		93
67) Ethyl Benzene	11.605	91	37881	4.309	ug/l		99
68) m/p-Xylenes	11.715	106	29304	8.626	ug/l		99
69) o-Xylene	12.044	106	14348	4.424	ug/l		95
70) Styrene	12.056	104	23359	4.332	ug/l		97
71) Bromoform	12.221	173	4453	4.409	ug/l	#	95
73) Isopropylbenzene	12.343	105	38366	4.359	ug/l		100
74) N-amyl acetate	12.154	43	8057	4.212	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	6219	4.440	ug/l		92
76) 1,2,3-Trichloropropane	12.642	75	5108m	4.125	ug/l		
77) Bromobenzene	12.623	156	8930	4.480	ug/l		94
78) n-propylbenzene	12.678	91	46789	4.496	ug/l		99
79) 2-Chlorotoluene	12.770	91	25722	4.432	ug/l		99
80) 1,3,5-Trimethylbenzene	12.825	105	31858	4.467	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.392	75	2297	4.507	ug/l		93
82) 4-Chlorotoluene	12.867	91	27225	4.568	ug/l		100
83) tert-Butylbenzene	13.087	119	28072	4.399	ug/l		99
84) 1,2,4-Trimethylbenzene	13.129	105	32562	4.615	ug/l		98
85) sec-Butylbenzene	13.263	105	42584	4.547	ug/l		99
86) p-Isopropyltoluene	13.379	119	35196	4.534	ug/l		99
87) 1,3-Dichlorobenzene	13.373	146	18216	4.621	ug/l		98
88) 1,4-Dichlorobenzene	13.459	146	18734	4.809	ug/l		93
89) n-Butylbenzene	13.709	91	33801	4.739	ug/l		97
90) Hexachloroethane	13.971	117	5530	4.134	ug/l		93
91) 1,2-Dichlorobenzene	13.751	146	15889	4.665	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1342	5.354	ug/l		93
93) 1,2,4-Trichlorobenzene	15.013	180	10638	5.061	ug/l		97
94) Hexachlorobutadiene	15.123	225	5863	5.104	ug/l		97
95) Naphthalene	15.245	128	21188	5.188	ug/l		97
96) 1,2,3-Trichlorobenzene	15.434	180	9342	5.202	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016142.D
Acq On : 31 Oct 2023 12:26
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:14:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

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

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

ICAL Form

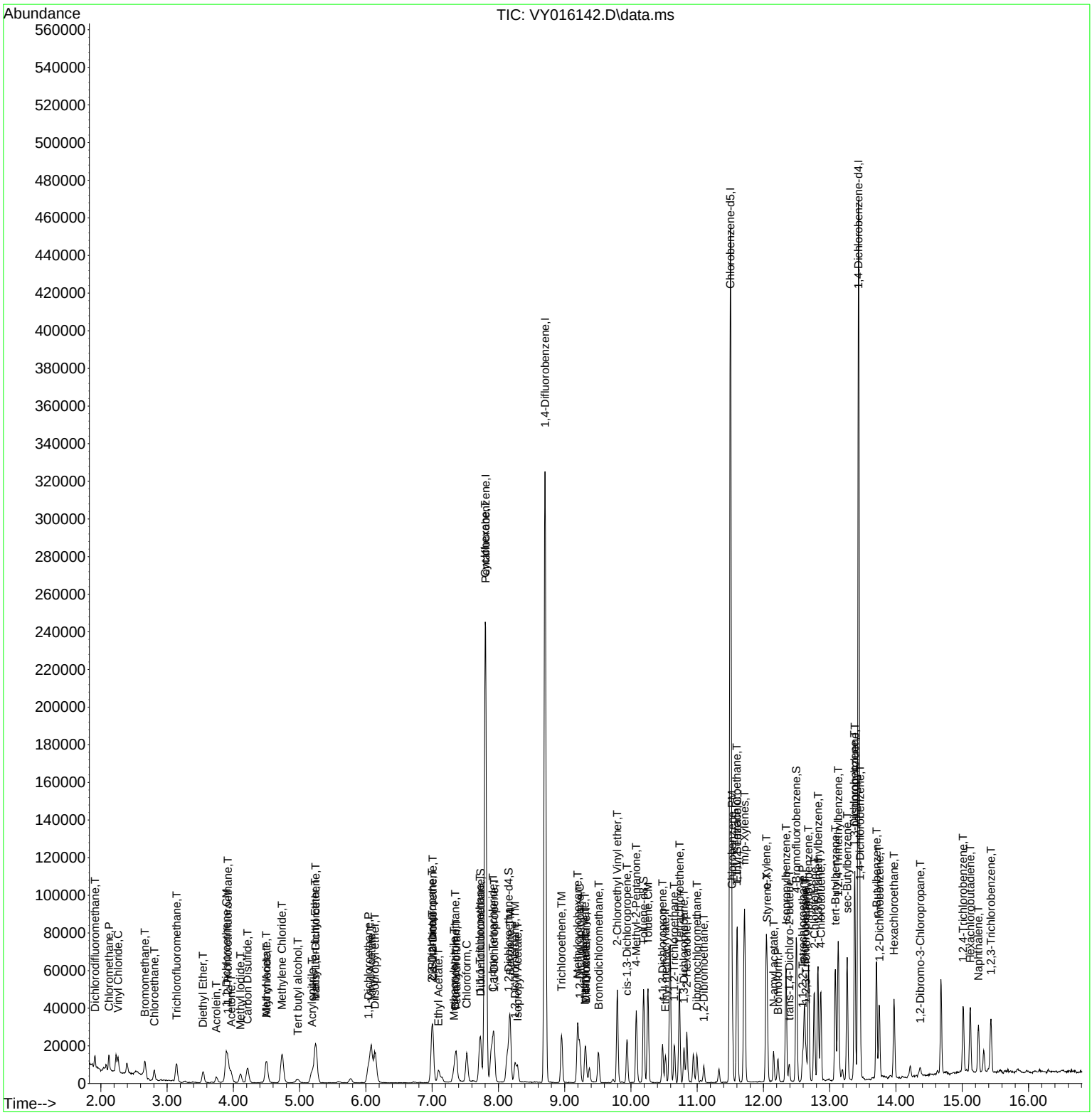
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016142.D
Acq On : 31 Oct 2023 12:26
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 03:14:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016143.D
Acq On : 31 Oct 2023 12:49
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:15:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	184611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	291032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	256463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	119527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	16985	9.832	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.660%#		
35) Dibromofluoromethane	7.728	113	16739	9.648	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.300%#		
50) Toluene-d8	10.191	98	65389	9.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.020%#		
62) 4-Bromofluorobenzene	12.489	95	22964	9.762	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.520%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	12034	10.219	ug/l	94
3) Chloromethane	2.119	50	17405	10.675	ug/l	98
4) Vinyl Chloride	2.253	62	17186	10.213	ug/l	95
5) Bromomethane	2.656	94	11334	9.980	ug/l	97
6) Chloroethane	2.802	64	12307	10.388	ug/l	94
7) Trichlorofluoromethane	3.131	101	26006	10.237	ug/l	99
8) Diethyl Ether	3.534	74	8755	10.398	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.905	101	16056	10.032	ug/l	98
10) Methyl Iodide	4.101	142	17668	9.928	ug/l	99
11) Tert butyl alcohol	4.948	59	7274	56.358	ug/l	100
12) 1,1-Dichloroethene	3.881	96	15091	10.331	ug/l	90
13) Acrolein	3.741	56	6920	51.694	ug/l	98
14) Allyl chloride	4.491	41	21678	10.375	ug/l	96
15) Acrylonitrile	5.174	53	19289	53.610	ug/l	97
16) Acetone	3.960	43	18771	53.039	ug/l	89
17) Carbon Disulfide	4.204	76	36227	9.933	ug/l	97
18) Methyl Acetate	4.491	43	14472	10.417	ug/l #	90
19) Methyl tert-butyl Ether	5.228	73	43244	10.407	ug/l	100
20) Methylene Chloride	4.728	84	22543	10.419	ug/l	86
21) trans-1,2-Dichloroethene	5.234	96	16987	9.983	ug/l	98
22) Diisopropyl ether	6.125	45	51950	10.279	ug/l	92
23) Vinyl Acetate	6.070	43	127237	51.277	ug/l #	94
24) 1,1-Dichloroethane	6.027	63	31587	10.443	ug/l	98
25) 2-Butanone	6.996	43	26134	54.835	ug/l	93
26) 2,2-Dichloropropane	6.996	77	29132	10.189	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	20602	10.288	ug/l	93
28) Bromochloromethane	7.344	49	11660	10.302	ug/l	89
29) Tetrahydrofuran	7.362	42	15900	53.221	ug/l	91
30) Chloroform	7.521	83	34623	10.514	ug/l	98
31) Cyclohexane	7.801	56	28248	10.637	ug/l #	83
32) 1,1,1-Trichloroethane	7.710	97	31360	10.384	ug/l	98
36) 1,1-Dichloropropene	7.929	75	26284	10.491	ug/l	99
37) Ethyl Acetate	7.082	43	12029	10.780	ug/l #	97
38) Carbon Tetrachloride	7.917	117	24442	9.847	ug/l	95
39) Methylcyclohexane	9.197	83	29283	9.792	ug/l	91
40) Benzene	8.173	78	75500	10.497	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016143.D
Acq On : 31 Oct 2023 12:49
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:15:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.326	41	7844	12.110 ug/l #	82
42) 1,2-Dichloroethane	8.252	62	21349	10.636 ug/l	94
43) Isopropyl Acetate	8.283	43	23637	10.709 ug/l	95
44) Trichloroethene	8.953	130	22213	10.553 ug/l	98
45) 1,2-Dichloropropane	9.228	63	18191	10.513 ug/l	93
46) Dibromomethane	9.313	93	10370	10.565 ug/l	96
47) Bromodichloromethane	9.508	83	25551	10.245 ug/l	90
48) Methyl methacrylate	9.301	41	10849	10.809 ug/l	91
49) 1,4-Dioxane	9.307	88	3255	163.411 ug/l #	47
51) 4-Methyl-2-Pentanone	10.081	43	58089	52.742 ug/l	92
52) Toluene	10.252	92	47506	10.193 ug/l	94
53) t-1,3-Dichloropropene	10.477	75	25300	10.162 ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	30283	10.366 ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	14945	10.824 ug/l	93
56) Ethyl methacrylate	10.520	69	17851	9.955 ug/l #	89
57) 1,3-Dichloropropane	10.801	76	24556	10.447 ug/l	96
58) 2-Chloroethyl Vinyl ether	9.795	63	42516	48.898 ug/l	93
59) 2-Hexanone	10.843	43	40561	53.742 ug/l	94
60) Dibromochloromethane	10.996	129	18231	10.525 ug/l	100
61) 1,2-Dibromoethane	11.099	107	13778	10.491 ug/l	99
64) Tetrachloroethene	10.727	164	24227	10.620 ug/l	98
65) Chlorobenzene	11.526	112	52395	10.283 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	19487	10.326 ug/l	98
67) Ethyl Benzene	11.605	91	92035	10.099 ug/l	96
68) m/p-Xylenes	11.715	106	70787	20.101 ug/l	95
69) o-Xylene	12.038	106	33720	10.029 ug/l	99
70) Styrene	12.056	104	55822	9.987 ug/l	97
71) Bromoform	12.215	173	10897	10.408 ug/l #	98
73) Isopropylbenzene	12.343	105	91589	10.215 ug/l	100
74) N-amyl acetate	12.154	43	19703	10.113 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	15337	10.750 ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	13494m	10.698 ug/l	
77) Bromobenzene	12.617	156	21308	10.495 ug/l	92
78) n-propylbenzene	12.678	91	107701	10.160 ug/l	99
79) 2-Chlorotoluene	12.764	91	61216	10.354 ug/l	99
80) 1,3,5-Trimethylbenzene	12.825	105	74060	10.195 ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	5227	10.069 ug/l	98
82) 4-Chlorotoluene	12.867	91	62473	10.290 ug/l	99
83) tert-Butylbenzene	13.087	119	66956	10.302 ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	74071	10.305 ug/l	100
85) sec-Butylbenzene	13.264	105	97796	10.252 ug/l	99
86) p-Isopropyltoluene	13.379	119	80953	10.239 ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	42022	10.466 ug/l	100
88) 1,4-Dichlorobenzene	13.459	146	41735	10.517 ug/l	97
89) n-Butylbenzene	13.702	91	75084	10.336 ug/l	97
90) Hexachloroethane	13.971	117	13517	9.921 ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	36620	10.556 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	2755	10.790 ug/l	95
93) 1,2,4-Trichlorobenzene	15.019	180	22979	10.732 ug/l	97
94) Hexachlorobutadiene	15.123	225	13002	11.112 ug/l	96
95) Naphthalene	15.245	128	44389	10.671 ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	19583	10.706 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016143.D
Acq On : 31 Oct 2023 12:49
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:15:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

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

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

ICAL Form

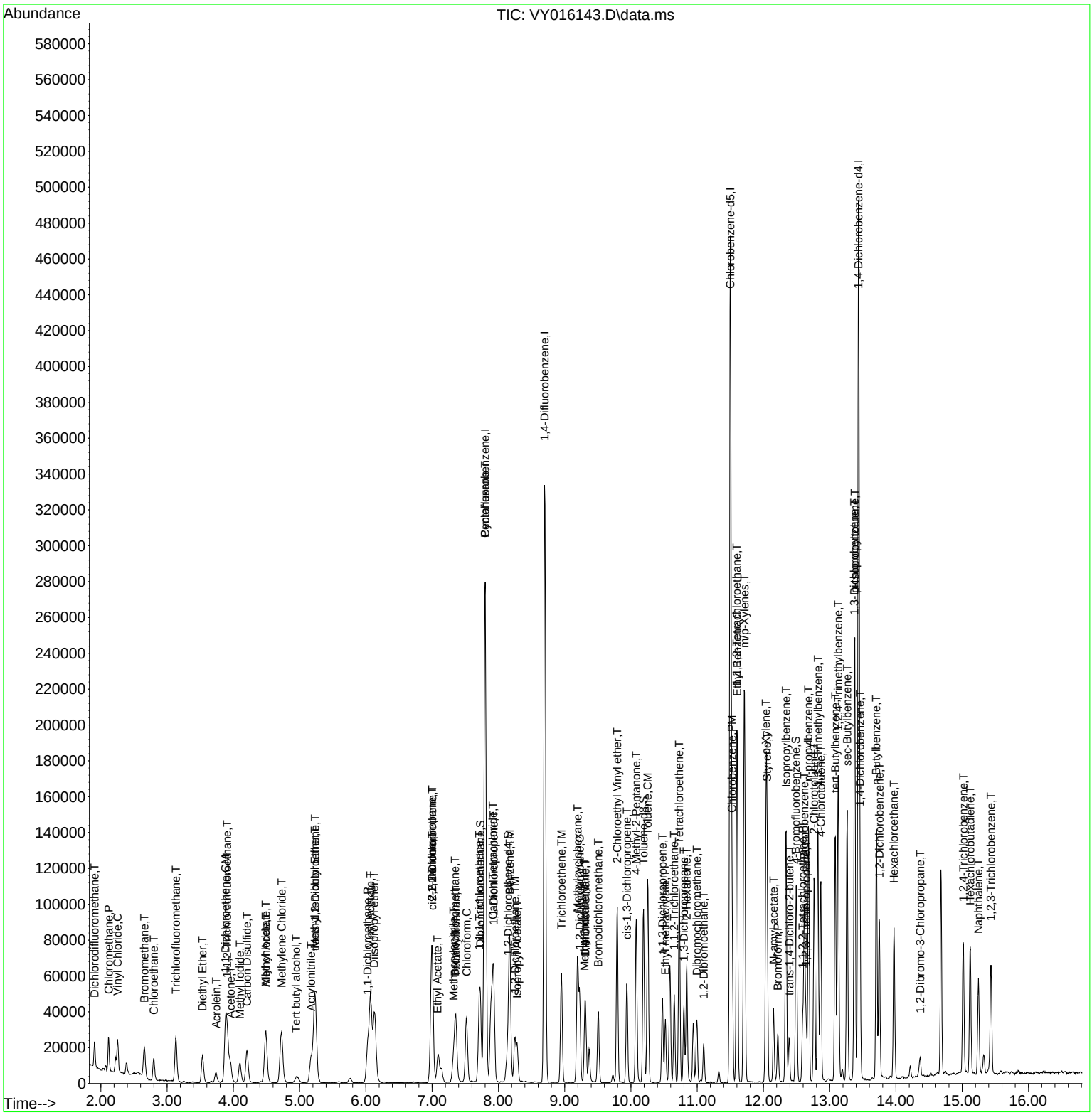
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016143.D
Acq On : 31 Oct 2023 12:49
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 01 03:15:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016144.D
Acq On : 31 Oct 2023 13:12
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:16:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	180987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	287034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	249953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	116324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	34131	20.153	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.300%#		
35) Dibromofluoromethane	7.728	113	34794	20.333	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.660%#		
50) Toluene-d8	10.191	98	133672	19.702	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.400%#		
62) 4-Bromofluorobenzene	12.489	95	46006	19.830	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	39.660%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	22029	19.081	ug/l	97
3) Chloromethane	2.119	50	32053	20.053	ug/l	98
4) Vinyl Chloride	2.253	62	31826	19.291	ug/l	95
5) Bromomethane	2.656	94	21642	19.438	ug/l	96
6) Chloroethane	2.796	64	23310	20.069	ug/l	99
7) Trichlorofluoromethane	3.137	101	48565	19.499	ug/l	99
8) Diethyl Ether	3.540	74	16908	20.482	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.911	101	31112	19.828	ug/l	96
10) Methyl Iodide	4.107	142	34292	19.654	ug/l	96
11) Tert butyl alcohol	4.966	59	13174	104.114	ug/l #	84
12) 1,1-Dichloroethene	3.881	96	28387	19.822	ug/l	88
13) Acrolein	3.741	56	13680	113.065	ug/l	98
14) Allyl chloride	4.497	41	40834	19.934	ug/l #	95
15) Acrylonitrile	5.180	53	35511	100.672	ug/l	99
16) Acetone	3.954	43	30469	101.361	ug/l	98
17) Carbon Disulfide	4.204	76	69374	19.403	ug/l	99
18) Methyl Acetate	4.485	43	27722	20.355	ug/l	93
19) Methyl tert-butyl Ether	5.234	73	82475	20.246	ug/l	99
20) Methylene Chloride	4.734	84	36998	19.629	ug/l	89
21) trans-1,2-Dichloroethene	5.234	96	33714	20.210	ug/l	89
22) Diisopropyl ether	6.137	45	99862	20.155	ug/l	87
23) Vinyl Acetate	6.076	43	244067	100.330	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	59850	20.184	ug/l	96
25) 2-Butanone	6.996	43	46351	99.203	ug/l	93
26) 2,2-Dichloropropane	6.996	77	56073	20.004	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	39382	20.061	ug/l	93
28) Bromochloromethane	7.350	49	21480	19.358	ug/l	89
29) Tetrahydrofuran	7.362	42	29723	101.482	ug/l	91
30) Chloroform	7.521	83	65741	20.364	ug/l	96
31) Cyclohexane	7.801	56	49266	18.924	ug/l #	80
32) 1,1,1-Trichloroethane	7.716	97	59555	20.115	ug/l	98
36) 1,1-Dichloropropene	7.929	75	49358	19.975	ug/l	99
37) Ethyl Acetate	7.088	43	21295	19.349	ug/l #	92
38) Carbon Tetrachloride	7.911	117	47955	19.589	ug/l	98
39) Methylcyclohexane	9.197	83	57388	19.457	ug/l	95
40) Benzene	8.173	78	140773	19.844	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016144.D
Acq On : 31 Oct 2023 13:12
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 01 03:16:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.319	41	10649	16.670	ug/l		96
42) 1,2-Dichloroethane	8.246	62	40007	20.209	ug/l		96
43) Isopropyl Acetate	8.283	43	43882	20.157	ug/l		93
44) Trichloroethene	8.953	130	41320	19.904	ug/l		95
45) 1,2-Dichloropropane	9.228	63	34091	19.977	ug/l		96
46) Dibromomethane	9.319	93	19185	19.818	ug/l		99
47) Bromodichloromethane	9.508	83	49766	20.233	ug/l		99
48) Methyl methacrylate	9.301	41	19937	20.140	ug/l		90
49) 1,4-Dioxane	9.313	88	5652	399.114	ug/l	#	75
51) 4-Methyl-2-Pentanone	10.081	43	109849	101.127	ug/l		92
52) Toluene	10.252	92	91846	19.980	ug/l		94
53) t-1,3-Dichloropropene	10.477	75	48627	19.804	ug/l		100
54) cis-1,3-Dichloropropene	9.941	75	57710	20.030	ug/l		89
55) 1,1,2-Trichloroethane	10.654	97	27039	19.856	ug/l		96
56) Ethyl methacrylate	10.520	69	35286	19.953	ug/l	#	84
57) 1,3-Dichloropropane	10.800	76	46913	20.237	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.795	63	88076	102.707	ug/l		92
59) 2-Hexanone	10.843	43	74594	100.212	ug/l		92
60) Dibromochloromethane	10.996	129	34259	20.054	ug/l		98
61) 1,2-Dibromoethane	11.099	107	26199	20.227	ug/l		98
64) Tetrachloroethene	10.733	164	44595	20.058	ug/l		97
65) Chlorobenzene	11.526	112	99410	20.018	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.599	131	36767	19.989	ug/l		99
67) Ethyl Benzene	11.605	91	178369	20.082	ug/l		97
68) m/p-Xylenes	11.715	106	138144	40.249	ug/l		93
69) o-Xylene	12.038	106	64899	19.804	ug/l		97
70) Styrene	12.056	104	109259	20.056	ug/l		96
71) Bromoform	12.221	173	20064	19.663	ug/l	#	99
73) Isopropylbenzene	12.337	105	175735	20.140	ug/l		99
74) N-amyl acetate	12.154	43	38021	20.052	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.593	83	27870	20.072	ug/l		99
76) 1,2,3-Trichloropropane	12.642	75	20694m	16.858	ug/l		
77) Bromobenzene	12.617	156	39194	19.837	ug/l		95
78) n-propylbenzene	12.678	91	207460	20.110	ug/l		98
79) 2-Chlorotoluene	12.770	91	117191	20.368	ug/l		99
80) 1,3,5-Trimethylbenzene	12.825	105	143452	20.292	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.386	75	9767	19.332	ug/l		97
82) 4-Chlorotoluene	12.867	91	119295	20.191	ug/l		99
83) tert-Butylbenzene	13.087	119	128241	20.274	ug/l		97
84) 1,2,4-Trimethylbenzene	13.129	105	141324	20.203	ug/l		99
85) sec-Butylbenzene	13.263	105	188074	20.258	ug/l		98
86) p-Isopropyltoluene	13.379	119	156198	20.300	ug/l		98
87) 1,3-Dichlorobenzene	13.379	146	78029	19.969	ug/l		98
88) 1,4-Dichlorobenzene	13.459	146	77935	20.179	ug/l		98
89) n-Butylbenzene	13.702	91	143668	20.321	ug/l		96
90) Hexachloroethane	13.971	117	26308	19.841	ug/l		93
91) 1,2-Dichlorobenzene	13.751	146	67654	20.039	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4782	19.244	ug/l		90
93) 1,2,4-Trichlorobenzene	15.019	180	42354	20.325	ug/l		99
94) Hexachlorobutadiene	15.117	225	23979	21.058	ug/l		95
95) Naphthalene	15.245	128	79385	19.610	ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	36519	20.515	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016144.D
Acq On : 31 Oct 2023 13:12
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:16:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

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

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

ICAL Form

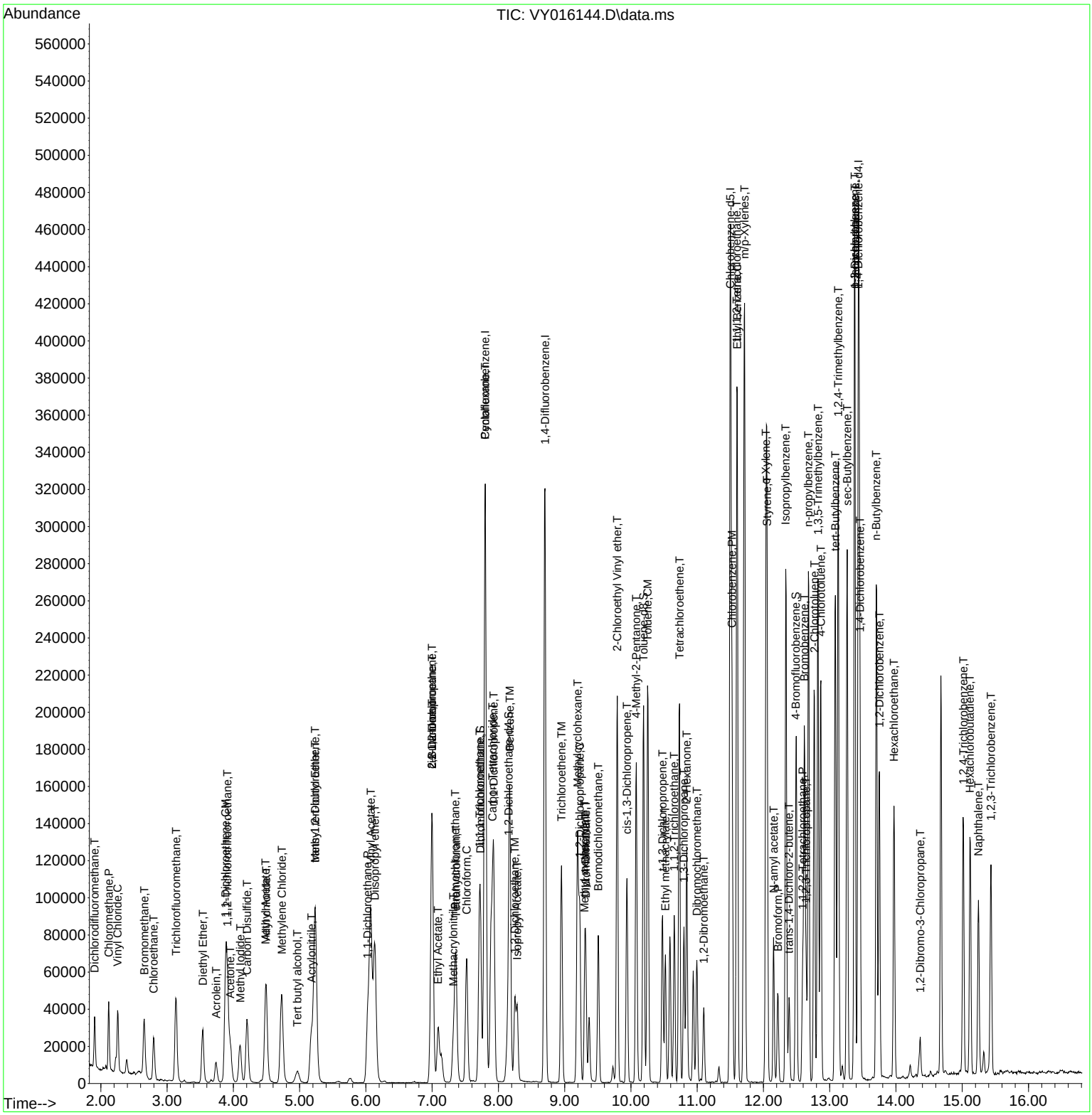
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016144.D
Acq On : 31 Oct 2023 13:12
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 01 03:16:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016145.D
Acq On : 31 Oct 2023 13:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:17:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	182918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	281473	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	243306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	115996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80300	46.915	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.820%			
35) Dibromofluoromethane	7.728	113	79726	47.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.020%			
50) Toluene-d8	10.191	98	325213	48.881	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.489	95	104720	46.030	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	61334	52.565	ug/l	97
3) Chloromethane	2.119	50	79652	49.305	ug/l	98
4) Vinyl Chloride	2.253	62	85763	51.436	ug/l	95
5) Bromomethane	2.656	94	55187	49.044	ug/l	99
6) Chloroethane	2.796	64	58257	49.628	ug/l	92
7) Trichlorofluoromethane	3.131	101	128466	51.035	ug/l	98
8) Diethyl Ether	3.534	74	39490	47.333	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	80063	50.488	ug/l	95
10) Methyl Iodide	4.101	142	87188	49.444	ug/l	98
11) Tert butyl alcohol	4.960	59	25891	202.457	ug/l #	83
12) 1,1-Dichloroethene	3.881	96	71262	49.235	ug/l	95
13) Acrolein	3.735	56	25310	214.190	ug/l	99
14) Allyl chloride	4.491	41	101772	49.158	ug/l #	94
15) Acrylonitrile	5.174	53	82310	230.880	ug/l	98
16) Acetone	3.954	43	62801	228.184	ug/l	100
17) Carbon Disulfide	4.204	76	185648	51.375	ug/l	98
18) Methyl Acetate	4.485	43	63014	45.779	ug/l #	89
19) Methyl tert-butyl Ether	5.228	73	195903	47.583	ug/l	100
20) Methylene Chloride	4.729	84	84034	48.158	ug/l	88
21) trans-1,2-Dichloroethene	5.235	96	83683	49.635	ug/l	92
22) Diisopropyl ether	6.131	45	241473	48.222	ug/l	89
23) Vinyl Acetate	6.070	43	585392	238.101	ug/l #	94
24) 1,1-Dichloroethane	6.033	63	145255	48.468	ug/l	96
25) 2-Butanone	6.996	43	103566	219.317	ug/l	94
26) 2,2-Dichloropropane	6.990	77	141922	50.096	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	96673	48.724	ug/l	93
28) Bromochloromethane	7.344	49	55510	49.498	ug/l	87
29) Tetrahydrofuran	7.356	42	68645	231.897	ug/l	89
30) Chloroform	7.515	83	159284	48.818	ug/l	96
31) Cyclohexane	7.795	56	126235	47.977	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	148608	49.664	ug/l	98
36) 1,1-Dichloropropene	7.929	75	121040	49.952	ug/l	98
37) Ethyl Acetate	7.082	43	50782	47.053	ug/l	96
38) Carbon Tetrachloride	7.911	117	124686	51.939	ug/l	97
39) Methylcyclohexane	9.191	83	151607	52.416	ug/l	92
40) Benzene	8.173	78	340565	48.957	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016145.D
Acq On : 31 Oct 2023 13:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:17:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.320	41	26669	42.572	ug/l		98
42) 1,2-Dichloroethane	8.246	62	93362	48.092	ug/l		95
43) Isopropyl Acetate	8.283	43	99528	46.622	ug/l	#	91
44) Trichloroethene	8.953	130	101271	49.746	ug/l		98
45) 1,2-Dichloropropane	9.228	63	83359	49.812	ug/l		96
46) Dibromomethane	9.313	93	46308	48.781	ug/l		96
47) Bromodichloromethane	9.508	83	117828	48.851	ug/l		99
48) Methyl methacrylate	9.301	41	46063	47.451	ug/l		90
49) 1,4-Dioxane	9.307	88	10413	878.561	ug/l	#	50
51) 4-Methyl-2-Pentanone	10.081	43	253565	238.045	ug/l		92
52) Toluene	10.252	92	224891	49.890	ug/l		94
53) t-1,3-Dichloropropene	10.477	75	116250	48.280	ug/l		98
54) cis-1,3-Dichloropropene	9.935	75	136665	48.371	ug/l		92
55) 1,1,2-Trichloroethane	10.654	97	64149	48.039	ug/l		97
56) Ethyl methacrylate	10.520	69	84431	48.686	ug/l		87
57) 1,3-Dichloropropane	10.801	76	107688	47.371	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.789	63	198638	236.213	ug/l		92
59) 2-Hexanone	10.843	43	172783	236.709	ug/l		90
60) Dibromochloromethane	10.996	129	81161	48.447	ug/l		99
61) 1,2-Dibromoethane	11.099	107	61074	48.084	ug/l		99
64) Tetrachloroethene	10.734	164	108339	50.060	ug/l		96
65) Chlorobenzene	11.526	112	239436	49.532	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.599	131	88691	49.536	ug/l		99
67) Ethyl Benzene	11.605	91	438236	50.686	ug/l		98
68) m/p-Xylenes	11.709	106	339813	101.711	ug/l		94
69) o-Xylene	12.038	106	159435	49.981	ug/l		97
70) Styrene	12.056	104	265561	50.078	ug/l		97
71) Bromoform	12.221	173	47560	47.883	ug/l	#	99
73) Isopropylbenzene	12.337	105	436825	50.203	ug/l		100
74) N-amyl acetate	12.154	43	91547	48.417	ug/l	#	92
75) 1,1,2,2-Tetrachloroethane	12.593	83	63688	45.998	ug/l		98
76) 1,2,3-Trichloropropane	12.642	75	57908m	47.308	ug/l		
77) Bromobenzene	12.617	156	95161	48.299	ug/l		95
78) n-propylbenzene	12.678	91	518854	50.438	ug/l		99
79) 2-Chlorotoluene	12.764	91	283035	49.330	ug/l		99
80) 1,3,5-Trimethylbenzene	12.825	105	352046	49.940	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.386	75	23783	47.208	ug/l		94
82) 4-Chlorotoluene	12.861	91	289175	49.082	ug/l		99
83) tert-Butylbenzene	13.087	119	319760	50.695	ug/l		98
84) 1,2,4-Trimethylbenzene	13.129	105	343967	49.312	ug/l		98
85) sec-Butylbenzene	13.264	105	466802	50.423	ug/l		99
86) p-Isopropyltoluene	13.379	119	388486	50.632	ug/l		98
87) 1,3-Dichlorobenzene	13.373	146	190821	48.971	ug/l		99
88) 1,4-Dichlorobenzene	13.453	146	184192	47.827	ug/l		99
89) n-Butylbenzene	13.709	91	356150	50.518	ug/l		96
90) Hexachloroethane	13.971	117	66649	50.407	ug/l		92
91) 1,2-Dichlorobenzene	13.751	146	162741	48.339	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	11474	46.305	ug/l		91
93) 1,2,4-Trichlorobenzene	15.013	180	102390	49.274	ug/l		99
94) Hexachlorobutadiene	15.123	225	56591	49.838	ug/l		98
95) Naphthalene	15.245	128	189386	46.914	ug/l		98
96) 1,2,3-Trichlorobenzene	15.434	180	85497	48.165	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016145.D
Acq On : 31 Oct 2023 13:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:17:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

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

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

ICAL Form

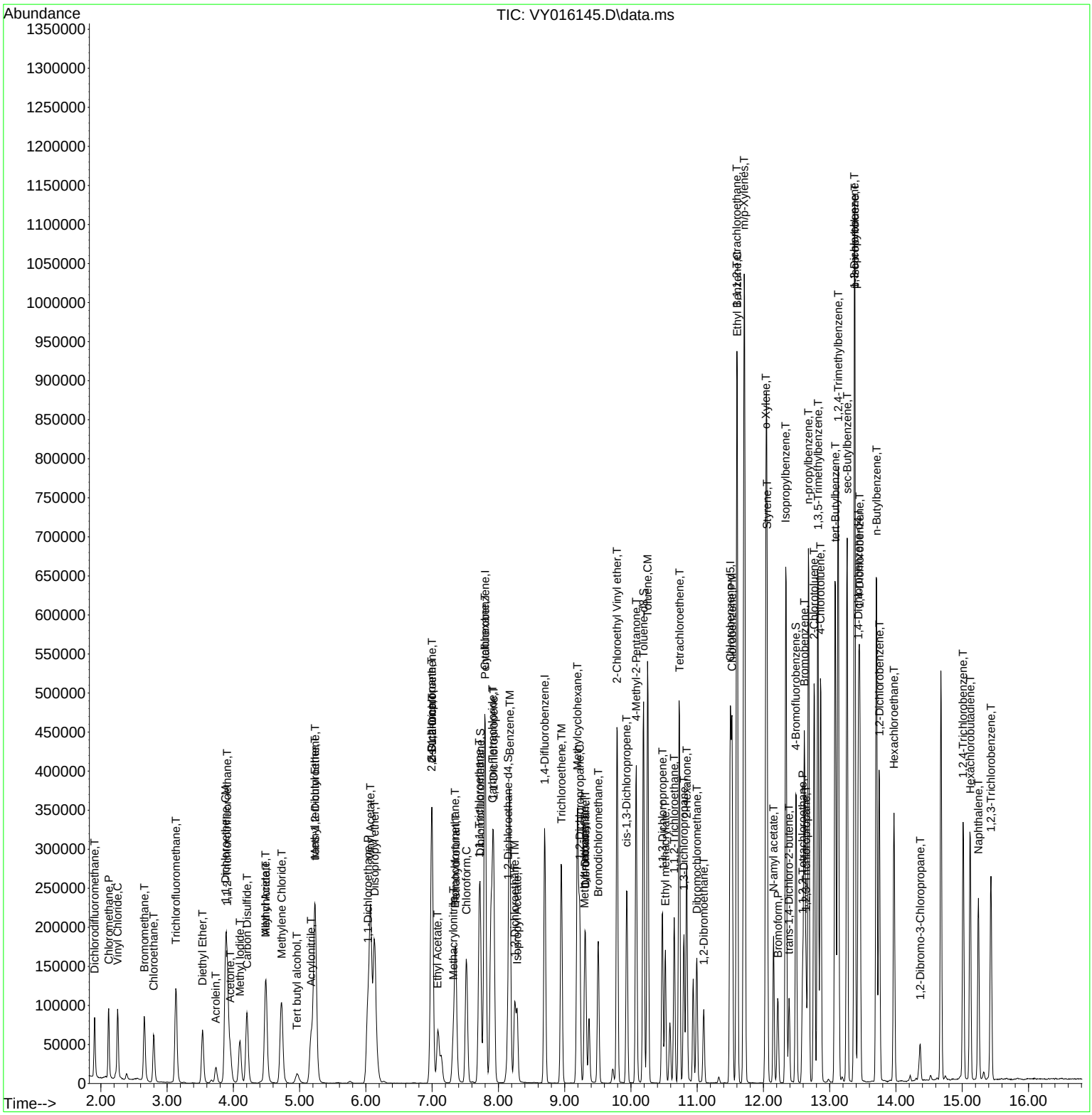
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016145.D
Acq On : 31 Oct 2023 13:37
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 01 03:17:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016146.D
Acq On : 31 Oct 2023 14:13
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:17:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	175317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	274242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	237247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	177148	107.984	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 215.960%#			
35) Dibromofluoromethane	7.728	113	175449	107.311	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 214.620%#			
50) Toluene-d8	10.191	98	713832	110.121	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 220.240%#			
62) 4-Bromofluorobenzene	12.489	95	237786	107.276	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 214.560%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	121397	108.552	ug/l	98
3) Chloromethane	2.119	50	158071	102.088	ug/l	99
4) Vinyl Chloride	2.253	62	173414	108.513	ug/l	97
5) Bromomethane	2.650	94	116831	108.327	ug/l	99
6) Chloroethane	2.796	64	121274	107.791	ug/l	92
7) Trichlorofluoromethane	3.131	101	257787	106.850	ug/l	98
8) Diethyl Ether	3.534	74	86560	108.251	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.905	101	160058	105.308	ug/l	97
10) Methyl Iodide	4.100	142	188892	111.763	ug/l	98
11) Tert butyl alcohol	4.966	59	58438	476.773	ug/l #	80
12) 1,1-Dichloroethene	3.881	96	146935	105.918	ug/l	91
13) Acrolein	3.735	56	58665	530.303	ug/l	99
14) Allyl chloride	4.485	41	211201	106.438	ug/l #	94
15) Acrylonitrile	5.167	53	184309	539.403	ug/l	97
16) Acetone	3.954	43	135701	540.354	ug/l	93
17) Carbon Disulfide	4.204	76	381516	110.156	ug/l	98
18) Methyl Acetate	4.485	43	141565	107.304	ug/l #	89
19) Methyl tert-butyl Ether	5.228	73	434808	110.190	ug/l	99
20) Methylene Chloride	4.722	84	169956	105.221	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	172552	106.784	ug/l	95
22) Diisopropyl ether	6.131	45	523643	109.106	ug/l	88
23) Vinyl Acetate	6.070	43	1292646	548.563	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	310048	107.941	ug/l	97
25) 2-Butanone	6.990	43	231699	511.932	ug/l	91
26) 2,2-Dichloropropane	6.990	77	294345	108.402	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	204589	107.585	ug/l	93
28) Bromochloromethane	7.344	49	109213	101.606	ug/l	88
29) Tetrahydrofuran	7.356	42	153407	540.709	ug/l	89
30) Chloroform	7.515	83	331809	106.103	ug/l	98
31) Cyclohexane	7.795	56	251003	99.532	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	304527	106.183	ug/l	97
36) 1,1-Dichloropropene	7.929	75	249408	105.643	ug/l	99
37) Ethyl Acetate	7.082	43	112550	107.035	ug/l	95
38) Carbon Tetrachloride	7.911	117	262069	112.046	ug/l	98
39) Methylcyclohexane	9.191	83	304875	108.186	ug/l	94
40) Benzene	8.167	78	717783	105.903	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016146.D
Acq On : 31 Oct 2023 14:13
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:17:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.319	41	62108	101.757 ug/l		91
42) 1,2-Dichloroethane	8.246	62	199540	105.496 ug/l		94
43) Isopropyl Acetate	8.283	43	227788	109.515 ug/l		93
44) Trichloroethene	8.947	130	209942	105.847 ug/l		97
45) 1,2-Dichloropropane	9.228	63	176990	108.551 ug/l		97
46) Dibromomethane	9.313	93	99397	107.465 ug/l		97
47) Bromodichloromethane	9.508	83	255551	108.744 ug/l		98
48) Methyl methacrylate	9.301	41	104898	110.908 ug/l		89
49) 1,4-Dioxane	9.307	88	22865	2163.669 ug/l	#	71
51) 4-Methyl-2-Pentanone	10.081	43	568017	547.310 ug/l		91
52) Toluene	10.252	92	471864	107.438 ug/l		95
53) t-1,3-Dichloropropene	10.477	75	257709	109.852 ug/l		99
54) cis-1,3-Dichloropropene	9.941	75	299726	108.882 ug/l		90
55) 1,1,2-Trichloroethane	10.654	97	139469	107.198 ug/l		96
56) Ethyl methacrylate	10.520	69	191322	113.231 ug/l		87
57) 1,3-Dichloropropane	10.801	76	236159	106.624 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.788	63	435026	530.956 ug/l		92
59) 2-Hexanone	10.843	43	389863	548.186 ug/l		89
60) Dibromochloromethane	10.996	129	176482	108.123 ug/l		99
61) 1,2-Dibromoethane	11.099	107	132810	107.320 ug/l		100
64) Tetrachloroethene	10.727	164	217444	103.040 ug/l		98
65) Chlorobenzene	11.526	112	503663	106.854 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.599	131	189668	108.640 ug/l		99
67) Ethyl Benzene	11.605	91	919035	109.010 ug/l		97
68) m/p-Xylenes	11.715	106	709967	217.931 ug/l		94
69) o-Xylene	12.038	106	339632	109.190 ug/l		96
70) Styrene	12.056	104	566005	109.460 ug/l		97
71) Bromoform	12.215	173	107008	110.486 ug/l	#	99
73) Isopropylbenzene	12.337	105	904020	107.845 ug/l		100
74) N-amyl acetate	12.154	43	205226	112.663 ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.593	83	144097	108.029 ug/l		99
76) 1,2,3-Trichloropropane	12.642	75	106071m	89.948 ug/l		
77) Bromobenzene	12.617	156	204141	107.551 ug/l		95
78) n-propylbenzene	12.684	91	1061894	107.149 ug/l		99
79) 2-Chlorotoluene	12.770	91	590456	106.822 ug/l		98
80) 1,3,5-Trimethylbenzene	12.825	105	730138	107.511 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.386	75	54406	112.096 ug/l		92
82) 4-Chlorotoluene	12.867	91	606764	106.900 ug/l		98
83) tert-Butylbenzene	13.087	119	654330	107.681 ug/l		98
84) 1,2,4-Trimethylbenzene	13.129	105	715166	106.424 ug/l		98
85) sec-Butylbenzene	13.263	105	951863	106.727 ug/l		99
86) p-Isopropyltoluene	13.379	119	790832	106.988 ug/l		98
87) 1,3-Dichlorobenzene	13.379	146	399893	106.527 ug/l		100
88) 1,4-Dichlorobenzene	13.459	146	390557	105.265 ug/l		99
89) n-Butylbenzene	13.702	91	711467	104.753 ug/l		96
90) Hexachloroethane	13.971	117	144163	113.174 ug/l		92
91) 1,2-Dichlorobenzene	13.751	146	345148	106.415 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	24233	101.513 ug/l		87
93) 1,2,4-Trichlorobenzene	15.013	180	202655	101.232 ug/l		99
94) Hexachlorobutadiene	15.123	225	105534	96.473 ug/l		99
95) Naphthalene	15.245	128	404853	104.101 ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	173183	101.272 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016146.D
Acq On : 31 Oct 2023 14:13
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:17:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

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

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

ICAL Form

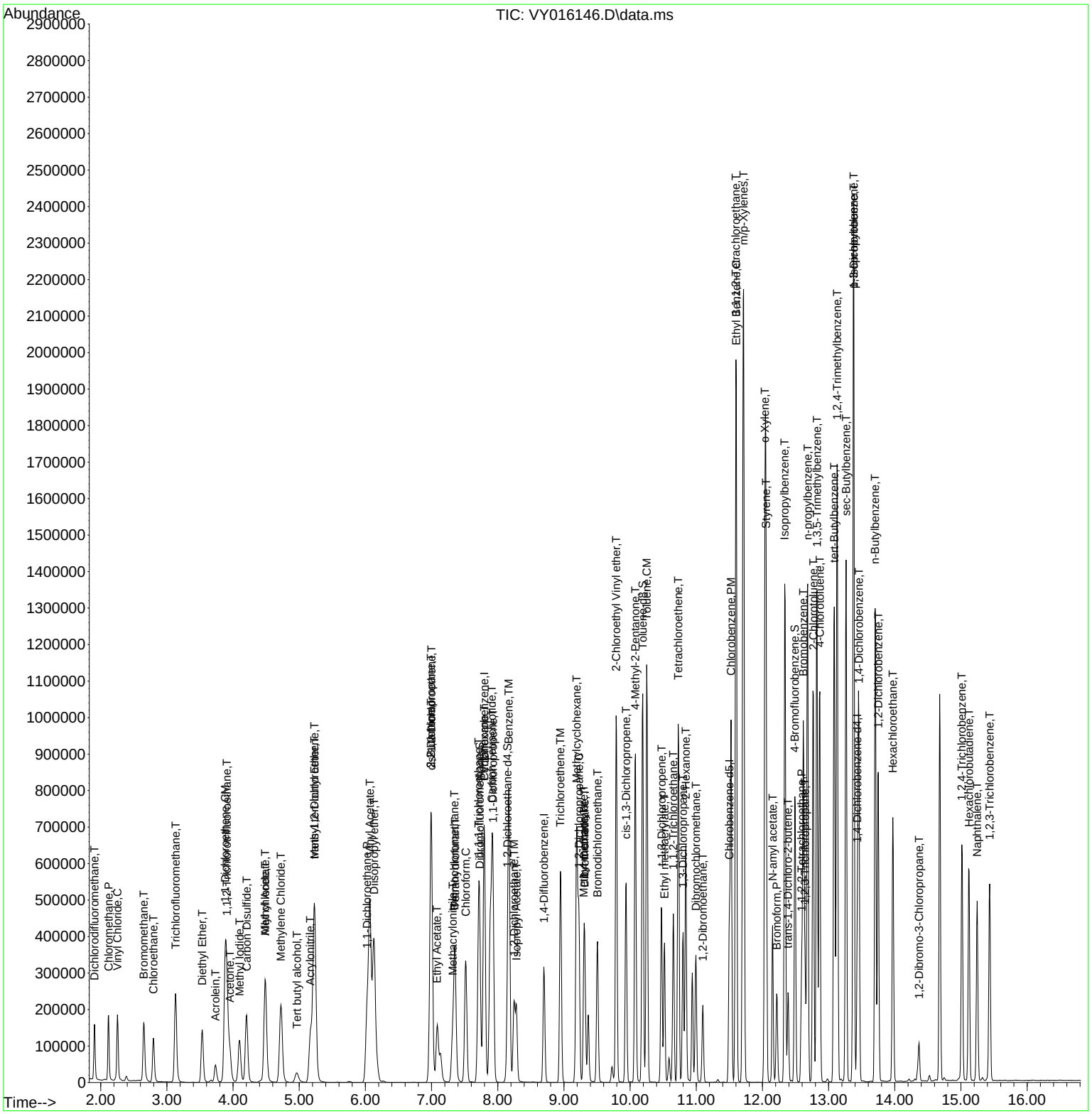
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016146.D
Acq On : 31 Oct 2023 14:13
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 03:17:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016147.D
Acq On : 31 Oct 2023 14:40
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:18:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.801	168	188618	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.697	114	297337	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.502	117	256642	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	119898	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.155	65	263503	149.297	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 298.600%#				
35) Dibromofluoromethane	7.728	113	267682	151.008	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 302.020%#				
50) Toluene-d8	10.191	98	1074601	152.899	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 305.800%#				
62) 4-Bromofluorobenzene	12.489	95	357661	148.824	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 297.640%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.906	85	182384	151.585	ug/l		97
3) Chloromethane	2.119	50	240613	144.439	ug/l		99
4) Vinyl Chloride	2.260	62	262561	152.711	ug/l		97
5) Bromomethane	2.650	94	182856	157.590	ug/l		99
6) Chloroethane	2.796	64	185702	153.416	ug/l		98
7) Trichlorofluoromethane	3.131	101	394333	151.920	ug/l		99
8) Diethyl Ether	3.540	74	131167	152.468	ug/l		85
9) 1,1,2-Trichlorotrifluo...	3.906	101	243716	149.042	ug/l		96
10) Methyl Iodide	4.101	142	286263	157.432	ug/l		97
11) Tert butyl alcohol	4.972	59	88457	670.795	ug/l	#	81
12) 1,1-Dichloroethene	3.881	96	222674	149.196	ug/l		91
13) Acrolein	3.735	56	87654	739.850	ug/l		98
14) Allyl chloride	4.491	41	323352	151.466	ug/l	#	96
15) Acrylonitrile	5.174	53	276999	753.505	ug/l		99
16) Acetone	3.960	43	195372	730.086	ug/l		94
17) Carbon Disulfide	4.204	76	580351	155.750	ug/l		99
18) Methyl Acetate	4.491	43	214890	151.397	ug/l	#	90
19) Methyl tert-butyl Ether	5.235	73	657441	154.861	ug/l		99
20) Methylene Chloride	4.729	84	253575	147.175	ug/l		90
21) trans-1,2-Dichloroethene	5.235	96	265355	152.635	ug/l		96
22) Diisopropyl ether	6.131	45	800495	155.028	ug/l		89
23) Vinyl Acetate	6.070	43	1973801	778.558	ug/l	#	93
24) 1,1-Dichloroethane	6.033	63	471931	152.713	ug/l		96
25) 2-Butanone	6.996	43	344933	708.376	ug/l	#	89
26) 2,2-Dichloropropane	6.996	77	451624	154.596	ug/l		97
27) cis-1,2-Dichloroethene	6.996	96	314227	153.587	ug/l		93
28) Bromochloromethane	7.344	49	168919	146.071	ug/l		86
29) Tetrahydrofuran	7.362	42	233647	765.455	ug/l		89
30) Chloroform	7.521	83	507084	150.717	ug/l		96
31) Cyclohexane	7.795	56	385935	142.246	ug/l		90
32) 1,1,1-Trichloroethane	7.716	97	466339	151.137	ug/l		97
36) 1,1-Dichloropropene	7.929	75	380347	148.592	ug/l		99
37) Ethyl Acetate	7.088	43	172620	151.411	ug/l	#	96
38) Carbon Tetrachloride	7.911	117	408139	160.943	ug/l		99
39) Methylcyclohexane	9.197	83	463180	151.594	ug/l		91
40) Benzene	8.173	78	1088830	148.169	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016147.D
Acq On : 31 Oct 2023 14:40
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:18:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.320	41	103447	156.321 ug/l	#	87
42) 1,2-Dichloroethane	8.246	62	305279	148.864 ug/l		94
43) Isopropyl Acetate	8.283	43	342084	151.692 ug/l	#	92
44) Trichloroethene	8.947	130	317407	147.598 ug/l		100
45) 1,2-Dichloropropane	9.228	63	268620	151.953 ug/l		98
46) Dibromomethane	9.313	93	150457	150.035 ug/l		98
47) Bromodichloromethane	9.508	83	388839	152.610 ug/l		96
48) Methyl methacrylate	9.301	41	157471	153.561 ug/l		89
49) 1,4-Dioxane	9.307	88	31772	2814.248 ug/l	#	47
51) 4-Methyl-2-Pentanone	10.081	43	848356	753.938 ug/l		91
52) Toluene	10.252	92	715338	150.223 ug/l		94
53) t-1,3-Dichloropropene	10.471	75	398940	156.846 ug/l		99
54) cis-1,3-Dichloropropene	9.935	75	458417	153.595 ug/l		91
55) 1,1,2-Trichloroethane	10.654	97	210689	149.360 ug/l		97
56) Ethyl methacrylate	10.520	69	288678	157.580 ug/l	#	86
57) 1,3-Dichloropropane	10.801	76	357048	148.683 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.789	63	672850	757.437 ug/l		93
59) 2-Hexanone	10.837	43	574118	744.564 ug/l		89
60) Dibromochloromethane	10.996	129	270396	152.793 ug/l		99
61) 1,2-Dibromoethane	11.099	107	202077	150.609 ug/l		99
64) Tetrachloroethene	10.727	164	319944	140.154 ug/l		97
65) Chlorobenzene	11.526	112	767178	150.460 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.599	131	293813	155.574 ug/l		99
67) Ethyl Benzene	11.599	91	1395957	153.067 ug/l		99
68) m/p-Xylenes	11.709	106	1077705	305.811 ug/l		95
69) o-Xylene	12.038	106	520204	154.604 ug/l		96
70) Styrene	12.050	104	869218	155.395 ug/l		96
71) Bromoform	12.215	173	162138	154.756 ug/l	#	100
73) Isopropylbenzene	12.337	105	1372338	152.587 ug/l		99
74) N-amyl acetate	12.148	43	307463	157.316 ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	221788	154.972 ug/l		98
76) 1,2,3-Trichloropropane	12.642	75	146320m	115.647 ug/l		
77) Bromobenzene	12.617	156	311899	153.154 ug/l		95
78) n-propylbenzene	12.678	91	1593376	149.850 ug/l		99
79) 2-Chlorotoluene	12.764	91	894090	150.760 ug/l		99
80) 1,3,5-Trimethylbenzene	12.819	105	1091309	149.771 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.386	75	82798	159.000 ug/l		92
82) 4-Chlorotoluene	12.861	91	910958	149.585 ug/l		98
83) tert-Butylbenzene	13.081	119	963812	147.831 ug/l		98
84) 1,2,4-Trimethylbenzene	13.130	105	1066308	147.892 ug/l		97
85) sec-Butylbenzene	13.264	105	1402027	146.516 ug/l		99
86) p-Isopropyltoluene	13.373	119	1155913	145.750 ug/l		98
87) 1,3-Dichlorobenzene	13.373	146	595725	147.909 ug/l		99
88) 1,4-Dichlorobenzene	13.453	146	578291	145.271 ug/l		99
89) n-Butylbenzene	13.703	91	1032562	141.696 ug/l		96
90) Hexachloroethane	13.965	117	215083	157.373 ug/l		93
91) 1,2-Dichlorobenzene	13.745	146	510767	146.775 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	36377	142.028 ug/l		89
93) 1,2,4-Trichlorobenzene	15.013	180	290169	135.097 ug/l		99
94) Hexachlorobutadiene	15.117	225	150279	128.039 ug/l		98
95) Naphthalene	15.239	128	585493	140.317 ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	244144	133.064 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016147.D
Acq On : 31 Oct 2023 14:40
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:18:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

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

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

ICAL Form

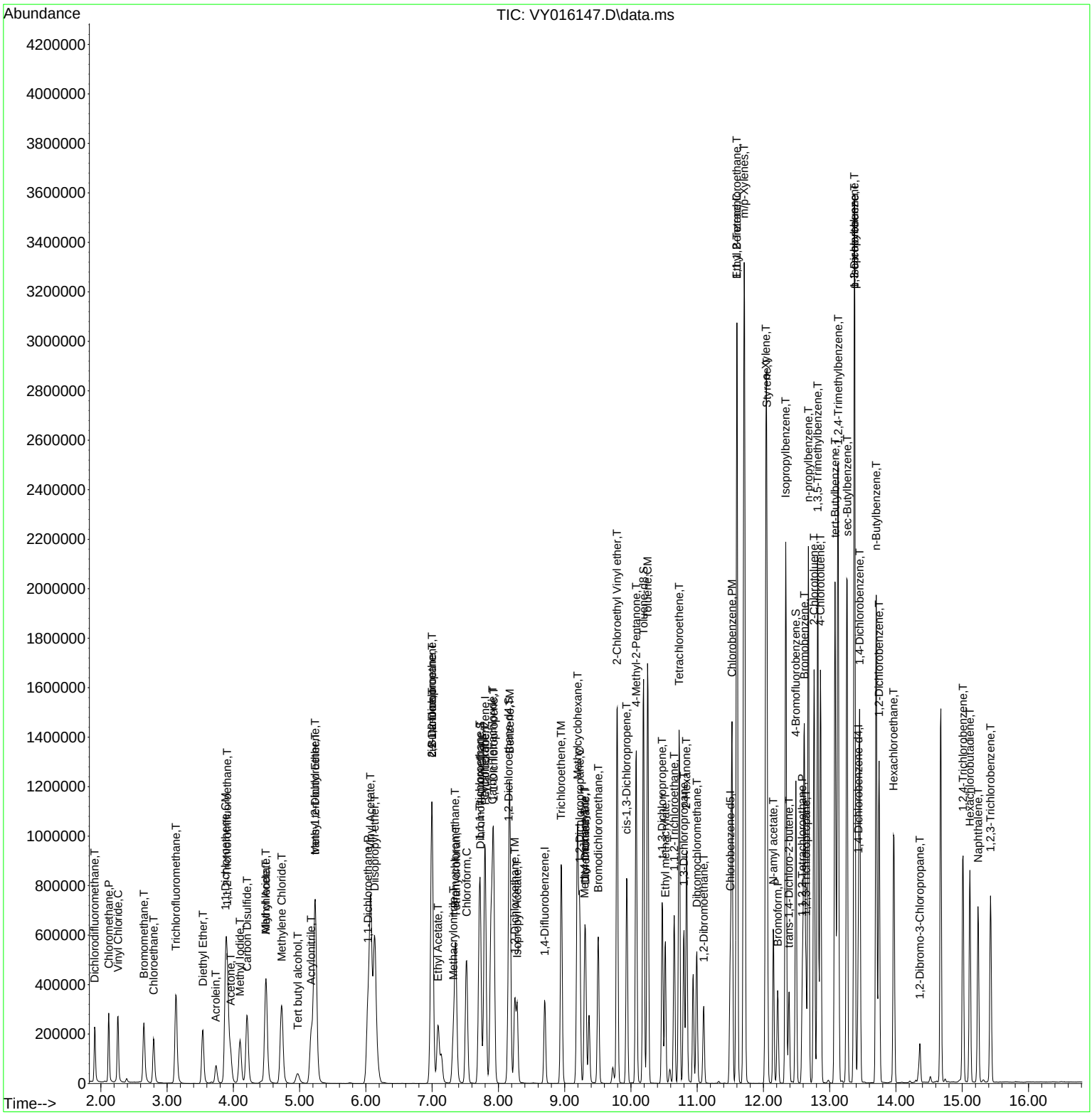
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016147.D
Acq On : 31 Oct 2023 14:40
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 01 03:18:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:01:33 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	182471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	286257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	249025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	116252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89649	52.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.000%			
35) Dibromofluoromethane	7.728	113	88174	51.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.340%			
50) Toluene-d8	10.191	98	357959	52.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.800%			
62) 4-Bromofluorobenzene	12.489	95	119022	51.442	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	59343	50.983	ug/l	97
3) Chloromethane	2.119	50	76978	47.766	ug/l	99
4) Vinyl Chloride	2.253	62	85171	51.206	ug/l	96
5) Bromomethane	2.656	94	60143	53.579	ug/l	98
6) Chloroethane	2.802	64	58826	50.236	ug/l	98
7) Trichlorofluoromethane	3.137	101	126533	50.390	ug/l	98
8) Diethyl Ether	3.534	74	43172	51.874	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.912	101	79284	50.119	ug/l	96
10) Methyl Iodide	4.100	142	94546	53.748	ug/l	96
11) Tert butyl alcohol	4.966	59	31404	246.168	ug/l #	80
12) 1,1-Dichloroethene	3.887	96	72808	50.426	ug/l	89
13) Acrolein	3.741	56	30289	258.687	ug/l	98
14) Allyl chloride	4.491	41	106958	51.790	ug/l	96
15) Acrylonitrile	5.173	53	94024	264.384	ug/l	99
16) Acetone	3.954	43	70898	260.956	ug/l	91
17) Carbon Disulfide	4.210	76	190503	52.848	ug/l	99
18) Methyl Acetate	4.491	43	72942	53.121	ug/l	92
19) Methyl tert-butyl Ether	5.234	73	215799	52.544	ug/l	98
20) Methylene Chloride	4.728	84	87568	50.451	ug/l	92
21) trans-1,2-Dichloroethene	5.234	96	86036	51.156	ug/l	93
22) Diisopropyl ether	6.131	45	258831	51.815	ug/l	88
23) Vinyl Acetate	6.070	43	649273	264.731	ug/l	95
24) 1,1-Dichloroethane	6.027	63	152356	50.962	ug/l	99
25) 2-Butanone	6.996	43	119994	254.729	ug/l	91
26) 2,2-Dichloropropane	6.996	77	144843	51.252	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	101490	51.277	ug/l	93
28) Bromochloromethane	7.344	49	54309	48.545	ug/l	90
29) Tetrahydrofuran	7.356	42	78391	265.470	ug/l	89
30) Chloroform	7.521	83	166552	51.171	ug/l	97
31) Cyclohexane	7.795	56	126881	48.340	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	151561	50.775	ug/l	98
36) 1,1-Dichloropropene	7.929	75	122592	49.747	ug/l	98
37) Ethyl Acetate	7.082	43	56600	51.567	ug/l #	95
38) Carbon Tetrachloride	7.911	117	128652	52.696	ug/l	97
39) Methylcyclohexane	9.191	83	149472	50.814	ug/l	92
40) Benzene	8.173	78	356775	50.430	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.326	41	30531	47.922	ug/l		93
42) 1,2-Dichloroethane	8.246	62	100426	50.866	ug/l		94
43) Isopropyl Acetate	8.283	43	114233	52.615	ug/l	#	92
44) Trichloroethene	8.947	130	104771	50.606	ug/l		96
45) 1,2-Dichloropropane	9.222	63	87773	51.573	ug/l		97
46) Dibromomethane	9.313	93	49506	51.278	ug/l		97
47) Bromodichloromethane	9.502	83	126849	51.712	ug/l		99
48) Methyl methacrylate	9.301	41	51941	52.612	ug/l		89
49) 1,4-Dioxane	9.307	88	11861	1036.986	ug/l	#	51
51) 4-Methyl-2-Pentanone	10.075	43	289057	266.829	ug/l		91
52) Toluene	10.252	92	233910	51.023	ug/l		95
53) t-1,3-Dichloropropene	10.471	75	128277	52.385	ug/l		100
54) cis-1,3-Dichloropropene	9.935	75	147002	51.160	ug/l		91
55) 1,1,2-Trichloroethane	10.654	97	69528	51.197	ug/l		95
56) Ethyl methacrylate	10.514	69	95879	54.363	ug/l	#	85
57) 1,3-Dichloropropane	10.794	76	117093	50.648	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.788	63	216080	252.660	ug/l		92
59) 2-Hexanone	10.837	43	195672	263.586	ug/l		90
60) Dibromochloromethane	10.990	129	87851	51.564	ug/l		99
61) 1,2-Dibromoethane	11.099	107	66679	51.620	ug/l		99
64) Tetrachloroethene	10.727	164	108671	49.060	ug/l		97
65) Chlorobenzene	11.526	112	251939	50.922	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.599	131	93000	50.750	ug/l		97
67) Ethyl Benzene	11.599	91	456357	51.570	ug/l		98
68) m/p-Xylenes	11.709	106	351122	102.682	ug/l		95
69) o-Xylene	12.038	106	166263	50.925	ug/l		97
70) Styrene	12.050	104	278875	51.381	ug/l		97
71) Bromoform	12.215	173	52901	52.037	ug/l	#	99
73) Isopropylbenzene	12.337	105	448210	51.398	ug/l		99
74) N-amyl acetate	12.148	43	103004	54.356	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	73253	52.790	ug/l		100
76) 1,2,3-Trichloropropane	12.636	75	57159m	52.212	ug/l		
77) Bromobenzene	12.617	156	103025	52.176	ug/l		94
78) n-propylbenzene	12.678	91	530827	51.488	ug/l		99
79) 2-Chlorotoluene	12.764	91	293081	50.969	ug/l		99
80) 1,3,5-Trimethylbenzene	12.818	105	362542	51.316	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.386	75	27266	54.002	ug/l		92
82) 4-Chlorotoluene	12.861	91	305760	51.782	ug/l		99
83) tert-Butylbenzene	13.081	119	325141	51.435	ug/l		98
84) 1,2,4-Trimethylbenzene	13.123	105	357942	51.202	ug/l		98
85) sec-Butylbenzene	13.257	105	478589	51.583	ug/l		99
86) p-Isopropyltoluene	13.373	119	399234	51.918	ug/l		98
87) 1,3-Dichlorobenzene	13.373	146	200314	51.295	ug/l		100
88) 1,4-Dichlorobenzene	13.452	146	195008	50.524	ug/l		99
89) n-Butylbenzene	13.702	91	362078	51.245	ug/l		96
90) Hexachloroethane	13.965	117	69038	52.098	ug/l		93
91) 1,2-Dichlorobenzene	13.745	146	173063	51.292	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12152	48.933	ug/l		88
93) 1,2,4-Trichlorobenzene	15.013	180	108085	51.900	ug/l		99
94) Hexachlorobutadiene	15.117	225	57739	50.737	ug/l		97
95) Naphthalene	15.239	128	210866	52.120	ug/l		98
96) 1,2,3-Trichlorobenzene	15.428	180	92323	51.896	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
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ALS Vial : 10 Sample Multiplier: 1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
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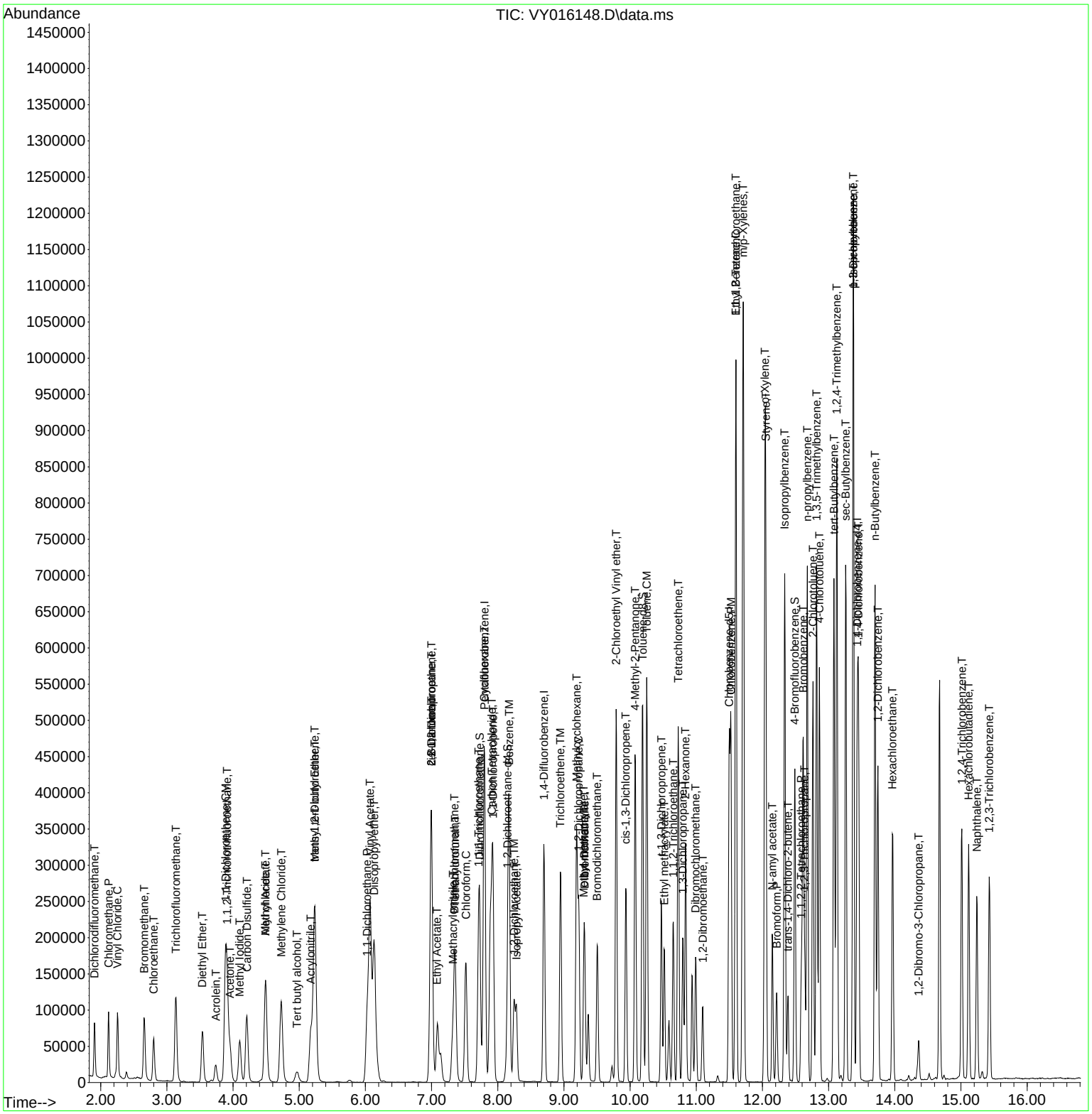
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Manual Integrations APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	100	0.00
2	T	Dichlorodifluoromethane	0.319	0.325	-1.9	97	0.00
3	P	Chloromethane	0.442	0.422	4.5	97	0.00
4	C	Vinyl Chloride	0.456	0.467	-2.4#	99	0.00
5	T	Bromomethane	0.308	0.330	-7.1	109	0.00
6	T	Chloroethane	0.321	0.322	-0.3	101	0.00
7	T	Trichlorofluoromethane	0.688	0.693	-0.7	98	0.00
8	T	Diethyl Ether	0.228	0.237	-3.9	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.433	0.435	-0.5	99	0.00
10	T	Methyl Iodide	0.482	0.518	-7.5	108	0.00
11	T	Tert butyl alcohol	0.035	0.034	2.9	121	0.00
12	CM	1,1-Dichloroethene	0.396	0.399	-0.8#	102	0.00
13	T	Acrolein	0.035	0.033	5.7	120	0.00
14	T	Allyl chloride	0.566	0.586	-3.5	105	0.00
15	T	Acrylonitrile	0.097	0.103	-6.2	114	0.00
16	T	Acetone	0.086	0.078	9.3	113	0.00
17	T	Carbon Disulfide	0.988	1.044	-5.7	103	0.00
18	T	Methyl Acetate	0.376	0.400	-6.4	116	0.00
19	T	Methyl tert-butyl Ether	1.125	1.183	-5.2	110	0.00
20	T	Methylene Chloride	0.533	0.480	9.9	104	0.00
21	T	trans-1,2-Dichloroethene	0.461	0.472	-2.4	103	0.00
22	T	Diisopropyl ether	1.369	1.418	-3.6	107	0.00
23	T	Vinyl Acetate	0.672	0.712	-6.0	111	0.00
24	P	1,1-Dichloroethane	0.819	0.835	-2.0	105	0.00
25	T	2-Butanone	0.129	0.132	-2.3	116	0.00
26	T	2,2-Dichloropropane	0.774	0.794	-2.6	102	0.00
27	T	cis-1,2-Dichloroethene	0.542	0.556	-2.6	105	0.00
28	T	Bromochloromethane	0.307	0.298	2.9	98	0.00
29	T	Tetrahydrofuran	0.081	0.086	-6.2	114	0.00
30	C	Chloroform	0.892	0.913	-2.4#	105	0.00
31	T	Cyclohexane	0.719	0.695	3.3	101	0.00
32	T	1,1,1-Trichloroethane	0.818	0.831	-1.6	102	0.00
33	S	1,2-Dichloroethane-d4	0.468	0.491	-4.9	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.298	0.308	-3.4	111	0.00
36	T	1,1-Dichloropropene	0.430	0.428	0.5	101	0.00
37	T	Ethyl Acetate	0.192	0.198	-3.1	111	0.00
38	T	Carbon Tetrachloride	0.426	0.449	-5.4	103	0.00
39	T	Methylcyclohexane	0.514	0.522	-1.6	99	0.00
40	TM	Benzene	1.236	1.246	-0.8	105	0.00
41	T	Methacrylonitrile	0.111	0.107	3.6	114	0.00
42	TM	1,2-Dichloroethane	0.345	0.351	-1.7	108	0.00
43	T	Isopropyl Acetate	0.379	0.399	-5.3	115	0.00
44	TM	Trichloroethene	0.362	0.366	-1.1	103	0.00
45	C	1,2-Dichloropropane	0.297	0.307	-3.4#	105	0.00
46	T	Dibromomethane	0.169	0.173	-2.4	107	0.00
47	T	Bromodichloromethane	0.428	0.443	-3.5	108	0.00
48	T	Methyl methacrylate	0.172	0.181	-5.2	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	114	0.00
50	S	Toluene-d8	1.182	1.250	-5.8	110	0.00
51	T	4-Methyl-2-Pentanone	0.189	0.202	-6.9	114	0.00
52	CM	Toluene	0.801	0.817	-2.0#	104	0.00
53	T	t-1,3-Dichloropropene	0.428	0.448	-4.7	110	0.00
54	T	cis-1,3-Dichloropropene	0.502	0.514	-2.4	108	0.00
55	T	1,1,2-Trichloroethane	0.237	0.243	-2.5	108	0.00
56	T	Ethyl methacrylate	0.308	0.335	-8.8	114	0.00
57	T	1,3-Dichloropropane	0.404	0.409	-1.2	109	0.00
58	T	2-Chloroethyl Vinyl ether	0.149	0.151	-1.3	109	0.00
59	T	2-Hexanone	0.130	0.137	-5.4	113	0.00
60	T	Dibromochloromethane	0.298	0.307	-3.0	108	0.00
61	T	1,2-Dibromoethane	0.226	0.233	-3.1	109	0.00
62	S	4-Bromofluorobenzene	0.404	0.416	-3.0	114	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.445	0.436	2.0	100	0.00
65	PM	Chlorobenzene	0.993	1.012	-1.9	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.368	0.373	-1.4	105	0.00
67	C	Ethyl Benzene	1.777	1.833	-3.2#	104	0.00
68	T	m/p-Xylenes	0.687	0.705	-2.6	103	0.00
69	T	o-Xylene	0.656	0.668	-1.8	104	0.00
70	T	Styrene	1.090	1.120	-2.8	105	0.00
71	P	Bromoform	0.204	0.212	-3.9	111	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.751	3.856	-2.8	103	0.00
74	T	N-amyl acetate	0.815	0.886	-8.7	113	0.00
75	P	1,1,2,2-Tetrachloroethane	0.597	0.630	-5.5	115	0.00
76	T	1,2,3-Trichloropropane	0.471	0.492	-4.5	99	0.00
77	T	Bromobenzene	0.849	0.886	-4.4	108	0.00
78	T	n-propylbenzene	4.434	4.566	-3.0	102	0.00
79	T	2-Chlorotoluene	2.473	2.521	-1.9	104	0.00
80	T	1,3,5-Trimethylbenzene	3.039	3.119	-2.6	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.217	0.235	-8.3	115	0.00
82	T	4-Chlorotoluene	2.540	2.630	-3.5	106	0.00
83	T	tert-Butylbenzene	2.719	2.797	-2.9	102	0.00
84	T	1,2,4-Trimethylbenzene	3.007	3.079	-2.4	104	0.00
85	T	sec-Butylbenzene	3.991	4.117	-3.2	103	0.00
86	T	p-Isopropyltoluene	3.307	3.434	-3.8	103	0.00
87	T	1,3-Dichlorobenzene	1.680	1.723	-2.6	105	0.00
88	T	1,4-Dichlorobenzene	1.660	1.677	-1.0	106	0.00
89	T	n-Butylbenzene	3.039	3.115	-2.5	102	0.00
90	T	Hexachloroethane	0.570	0.594	-4.2	104	0.00
91	T	1,2-Dichlorobenzene	1.451	1.489	-2.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.107	0.105	1.9	106	0.00
93	T	1,2,4-Trichlorobenzene	0.896	0.930	-3.8	106	0.00
94	T	Hexachlorobutadiene	0.489	0.497	-1.6	102	0.00
95	T	Naphthalene	1.740	1.814	-4.3	111	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	0.765	0.794	-3.8	108	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\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	100	0.00
2	T	Dichlorodifluoromethane	50.000	50.983	-2.0	97	0.00
3	P	Chloromethane	50.000	47.766	4.5	97	0.00
4	C	Vinyl Chloride	50.000	51.206	-2.4#	99	0.00
5	T	Bromomethane	50.000	53.579	-7.2	109	0.00
6	T	Chloroethane	50.000	50.236	-0.5	101	0.00
7	T	Trichlorofluoromethane	50.000	50.390	-0.8	98	0.00
8	T	Diethyl Ether	50.000	51.874	-3.7	109	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.119	-0.2	99	0.00
10	T	Methyl Iodide	50.000	53.748	-7.5	108	0.00
11	T	Tert butyl alcohol	250.000	246.168	1.5	121	0.00
12	CM	1,1-Dichloroethene	50.000	50.426	-0.9#	102	0.00
13	T	Acrolein	250.000	258.687	-3.5	120	0.00
14	T	Allyl chloride	50.000	51.790	-3.6	105	0.00
15	T	Acrylonitrile	250.000	264.384	-5.8	114	0.00
16	T	Acetone	250.000	260.956	-4.4	113	0.00
17	T	Carbon Disulfide	50.000	52.848	-5.7	103	0.00
18	T	Methyl Acetate	50.000	53.121	-6.2	116	0.00
19	T	Methyl tert-butyl Ether	50.000	52.544	-5.1	110	0.00
20	T	Methylene Chloride	50.000	50.451	-0.9	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.156	-2.3	103	0.00
22	T	Diisopropyl ether	50.000	51.815	-3.6	107	0.00
23	T	Vinyl Acetate	250.000	264.731	-5.9	111	0.00
24	P	1,1-Dichloroethane	50.000	50.962	-1.9	105	0.00
25	T	2-Butanone	250.000	254.729	-1.9	116	0.00
26	T	2,2-Dichloropropane	50.000	51.252	-2.5	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.277	-2.6	105	0.00
28	T	Bromochloromethane	50.000	48.545	2.9	98	0.00
29	T	Tetrahydrofuran	250.000	265.470	-6.2	114	0.00
30	C	Chloroform	50.000	51.171	-2.3#	105	0.00
31	T	Cyclohexane	50.000	48.340	3.3	101	0.00
32	T	1,1,1-Trichloroethane	50.000	50.775	-1.5	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.505	-5.0	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	51.667	-3.3	111	0.00
36	T	1,1-Dichloropropene	50.000	49.747	0.5	101	0.00
37	T	Ethyl Acetate	50.000	51.567	-3.1	111	0.00
38	T	Carbon Tetrachloride	50.000	52.696	-5.4	103	0.00
39	T	Methylcyclohexane	50.000	50.814	-1.6	99	0.00
40	TM	Benzene	50.000	50.430	-0.9	105	0.00
41	T	Methacrylonitrile	50.000	47.922	4.2	114	0.00
42	TM	1,2-Dichloroethane	50.000	50.866	-1.7	108	0.00
43	T	Isopropyl Acetate	50.000	52.615	-5.2	115	0.00
44	TM	Trichloroethene	50.000	50.606	-1.2	103	0.00
45	C	1,2-Dichloropropane	50.000	51.573	-3.1#	105	0.00
46	T	Dibromomethane	50.000	51.278	-2.6	107	0.00
47	T	Bromodichloromethane	50.000	51.712	-3.4	108	0.00
48	T	Methyl methacrylate	50.000	52.612	-5.2	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	1036.986	-3.7	114	0.00
50	S	Toluene-d8	50.000	52.904	-5.8	110	0.00
51	T	4-Methyl-2-Pentanone	250.000	266.829	-6.7	114	0.00
52	CM	Toluene	50.000	51.023	-2.0#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	52.385	-4.8	110	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.160	-2.3	108	0.00
55	T	1,1,2-Trichloroethane	50.000	51.197	-2.4	108	0.00
56	T	Ethyl methacrylate	50.000	54.363	-8.7	114	0.00
57	T	1,3-Dichloropropane	50.000	50.648	-1.3	109	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	252.660	-1.1	109	0.00
59	T	2-Hexanone	250.000	263.586	-5.4	113	0.00
60	T	Dibromochloromethane	50.000	51.564	-3.1	108	0.00
61	T	1,2-Dibromoethane	50.000	51.620	-3.2	109	0.00
62	S	4-Bromofluorobenzene	50.000	51.442	-2.9	114	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	49.060	1.9	100	0.00
65	PM	Chlorobenzene	50.000	50.922	-1.8	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.750	-1.5	105	0.00
67	C	Ethyl Benzene	50.000	51.570	-3.1#	104	0.00
68	T	m/p-Xylenes	100.000	102.682	-2.7	103	0.00
69	T	o-Xylene	50.000	50.925	-1.8	104	0.00
70	T	Styrene	50.000	51.381	-2.8	105	0.00
71	P	Bromoform	50.000	52.037	-4.1	111	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	51.398	-2.8	103	0.00
74	T	N-amyl acetate	50.000	54.356	-8.7	113	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.790	-5.6	115	0.00
76	T	1,2,3-Trichloropropane	50.000	52.212	-4.4	99	0.00
77	T	Bromobenzene	50.000	52.176	-4.4	108	0.00
78	T	n-propylbenzene	50.000	51.488	-3.0	102	0.00
79	T	2-Chlorotoluene	50.000	50.969	-1.9	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.316	-2.6	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.002	-8.0	115	0.00
82	T	4-Chlorotoluene	50.000	51.782	-3.6	106	0.00
83	T	tert-Butylbenzene	50.000	51.435	-2.9	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.202	-2.4	104	0.00
85	T	sec-Butylbenzene	50.000	51.583	-3.2	103	0.00
86	T	p-Isopropyltoluene	50.000	51.918	-3.8	103	0.00
87	T	1,3-Dichlorobenzene	50.000	51.295	-2.6	105	0.00
88	T	1,4-Dichlorobenzene	50.000	50.524	-1.0	106	0.00
89	T	n-Butylbenzene	50.000	51.245	-2.5	102	0.00
90	T	Hexachloroethane	50.000	52.098	-4.2	104	0.00
91	T	1,2-Dichlorobenzene	50.000	51.292	-2.6	106	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.933	2.1	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.900	-3.8	106	0.00
94	T	Hexachlorobutadiene	50.000	50.737	-1.5	102	0.00
95	T	Naphthalene	50.000	52.120	-4.2	111	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016148.D
Acq On : 31 Oct 2023 15:03
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY103123

Quant Time: Nov 01 03:36:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.896	-3.8	108	0.00

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2023 08:35

Lab File ID: VY016243.D Init. Calib. Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:26 14:40

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.319	0.348		9.09	20
Chloromethane	0.442	0.432	0.1	-2.26	20
Vinyl Chloride	0.456	0.497		8.99	20
Bromomethane	0.308	0.320		3.9	20
Chloroethane	0.321	0.340		5.92	20
Trichlorofluoromethane	0.688	0.789		14.68	20
1,1,2-Trichlorotrifluoroethane	0.433	0.492		13.63	20
1,1-Dichloroethene	0.396	0.443		11.87	20
Acetone	0.086	0.071		-17.44	20
Carbon Disulfide	0.988	1.058		7.09	20
Methyl tert-butyl Ether	1.125	1.188		5.6	20
Methyl Acetate	0.376	0.392		4.26	20
Methylene Chloride	0.533	0.513		-3.75	20
trans-1,2-Dichloroethene	0.461	0.511		10.85	20
1,1-Dichloroethane	0.819	0.924	0.1	12.82	20
Cyclohexane	0.719	0.758		5.42	20
2-Butanone	0.129	0.125		-3.1	20
Carbon Tetrachloride	0.426	0.516		21.13	20
cis-1,2-Dichloroethene	0.542	0.603		11.26	20
Bromochloromethane	0.307	0.331		7.82	20
Chloroform	0.892	0.987		10.65	20
1,1,1-Trichloroethane	0.818	0.898		9.78	20
Methylcyclohexane	0.514	0.557		8.37	20
Benzene	1.236	1.325		7.2	20
1,2-Dichloroethane	0.345	0.352		2.03	20
Trichloroethene	0.362	0.380		4.97	20
1,2-Dichloropropane	0.297	0.330		11.11	20
Bromodichloromethane	0.428	0.467		9.11	20
4-Methyl-2-Pentanone	0.189	0.187		-1.06	20
Toluene	0.801	0.855		6.74	20
t-1,3-Dichloropropene	0.428	0.453		5.84	20
cis-1,3-Dichloropropene	0.502	0.536		6.77	20
1,1,2-Trichloroethane	0.237	0.248		4.64	20
2-Hexanone	0.130	0.129		-0.77	20
Dibromochloromethane	0.298	0.317		6.38	20
1,2-Dibromoethane	0.226	0.232		2.65	20
Tetrachloroethene	0.445	0.444		-0.22	20
Chlorobenzene	0.993	1.066	0.3	7.35	20
Ethyl Benzene	1.777	1.949		9.68	20

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: MSVOA_Y Calibration Date/Time: 11/07/2023 08:35

Lab File ID: VY016243.D Init. Calib. Date(s): 10/31/2023 10/31/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:26 14:40

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.687	0.747		8.73	20
o-Xylene	0.656	0.704		7.32	20
Styrene	1.090	1.169		7.25	20
Bromoform	0.204	0.216	0.1	5.88	20
Isopropylbenzene	3.751	4.261		13.6	20
1,1,2,2-Tetrachloroethane	0.597	0.650	0.3	8.88	20
1,3-Dichlorobenzene	1.680	1.818		8.21	20
1,4-Dichlorobenzene	1.660	1.791		7.89	20
1,2-Dichlorobenzene	1.451	1.562		7.65	20
1,2-Dibromo-3-Chloropropane	0.107	0.096		-10.28	20
1,2,4-Trichlorobenzene	0.896	0.887		-1	20
1,2,3-Trichlorobenzene	0.765	0.702		-8.23	20
1,2-Dichloroethane-d4	0.468	0.467		-0.21	20
Dibromofluoromethane	0.298	0.296		-0.67	20
Toluene-d8	1.182	1.186		0.34	20
4-Bromofluorobenzene	0.404	0.389		-3.71	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\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	164275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	262616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	222967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	100419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76727	49.914	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.820%			
35) Dibromofluoromethane	7.728	113	77770	49.673	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.185	98	311582	50.195	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.380%			
62) 4-Bromofluorobenzene	12.489	95	102110	48.106	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	57124	54.513	ug/l	96
3) Chloromethane	2.119	50	70990	48.930	ug/l	100
4) Vinyl Chloride	2.253	62	81666	54.537	ug/l	96
5) Bromomethane	2.656	94	52608	52.058	ug/l	100
6) Chloroethane	2.796	64	55881	53.007	ug/l	100
7) Trichlorofluoromethane	3.131	101	129579	57.319	ug/l	99
8) Diethyl Ether	3.527	74	39497	52.714	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	80778	56.719	ug/l	97
10) Methyl Iodide	4.094	142	86899	54.872	ug/l	97
11) Tert butyl alcohol	4.960	59	27049	235.516	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	72750	55.967	ug/l	86
13) Acrolein	3.735	56	25645	242.768	ug/l	100
14) Allyl chloride	4.485	41	110259	59.301	ug/l #	94
15) Acrylonitrile	5.167	53	83717	261.477	ug/l	99
16) Acetone	3.948	43	58168	235.983	ug/l	92
17) Carbon Disulfide	4.204	76	173816	53.560	ug/l	98
18) Methyl Acetate	4.479	43	64468	52.150	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	195213	52.796	ug/l	98
20) Methylene Chloride	4.716	84	84241	54.132	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	83935	55.435	ug/l	91
22) Diisopropyl ether	6.125	45	253135	56.288	ug/l	88
23) Vinyl Acetate	6.064	43	589870	267.150	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	151826	56.410	ug/l	97
25) 2-Butanone	6.990	43	102416	241.495	ug/l	93
26) 2,2-Dichloropropane	6.990	77	144180	56.668	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	99128	55.631	ug/l	93
28) Bromochloromethane	7.344	49	54385	53.998	ug/l	90
29) Tetrahydrofuran	7.356	42	67610	254.321	ug/l	89
30) Chloroform	7.515	83	162207	55.356	ug/l	96
31) Cyclohexane	7.795	56	124458	52.670	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	147522	54.896	ug/l	98
36) 1,1-Dichloropropene	7.923	75	121882	53.912	ug/l	99
37) Ethyl Acetate	7.076	43	49302	48.962	ug/l #	95
38) Carbon Tetrachloride	7.911	117	135524	60.507	ug/l	97
39) Methylcyclohexane	9.191	83	146376	54.241	ug/l	91
40) Benzene	8.167	78	347853	53.595	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.313	41	26158	44.754	ug/l		92
42) 1,2-Dichloroethane	8.246	62	92562	51.104	ug/l		92
43) Isopropyl Acetate	8.277	43	98065	49.235	ug/l	#	91
44) Trichloroethene	8.947	130	99918	52.606	ug/l		96
45) 1,2-Dichloropropane	9.222	63	86709	55.535	ug/l		99
46) Dibromomethane	9.313	93	45927	51.853	ug/l		98
47) Bromodichloromethane	9.502	83	122623	54.490	ug/l		98
48) Methyl methacrylate	9.301	41	45375	50.098	ug/l		87
49) 1,4-Dioxane	9.307	88	10104	953.515	ug/l	#	66
51) 4-Methyl-2-Pentanone	10.075	43	245339	246.861	ug/l		91
52) Toluene	10.252	92	224412	53.358	ug/l		95
53) t-1,3-Dichloropropene	10.471	75	118924	52.937	ug/l		99
54) cis-1,3-Dichloropropene	9.935	75	140796	53.411	ug/l		90
55) 1,1,2-Trichloroethane	10.654	97	65160	52.300	ug/l		96
56) Ethyl methacrylate	10.514	69	81736	50.516	ug/l	#	86
57) 1,3-Dichloropropane	10.801	76	109465	51.611	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.789	63	194240	247.568	ug/l		93
59) 2-Hexanone	10.837	43	169390	248.723	ug/l		89
60) Dibromochloromethane	10.990	129	83169	53.210	ug/l		99
61) 1,2-Dibromoethane	11.099	107	61015	51.487	ug/l		98
64) Tetrachloroethene	10.727	164	99036	49.936	ug/l		97
65) Chlorobenzene	11.526	112	237739	53.668	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.599	131	91724	55.903	ug/l		98
67) Ethyl Benzene	11.599	91	434552	54.845	ug/l		99
68) m/p-Xylenes	11.709	106	333225	108.837	ug/l		94
69) o-Xylene	12.038	106	157016	53.713	ug/l		98
70) Styrene	12.050	104	260564	53.618	ug/l		97
71) Bromoform	12.215	173	48210	52.965	ug/l	#	99
73) Isopropylbenzene	12.337	105	427922	56.809	ug/l		99
74) N-amyl acetate	12.154	43	83990	51.310	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	65320	54.495	ug/l		98
76) 1,2,3-Trichloropropane	12.642	75	45572m	48.191	ug/l		
77) Bromobenzene	12.617	156	94119	55.181	ug/l		94
78) n-propylbenzene	12.678	91	507431	56.979	ug/l		99
79) 2-Chlorotoluene	12.764	91	279456	56.262	ug/l		99
80) 1,3,5-Trimethylbenzene	12.818	105	343018	56.207	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.386	75	23320	53.469	ug/l		93
82) 4-Chlorotoluene	12.861	91	283208	55.525	ug/l		99
83) tert-Butylbenzene	13.087	119	313918	57.489	ug/l		97
84) 1,2,4-Trimethylbenzene	13.129	105	333067	55.156	ug/l		100
85) sec-Butylbenzene	13.264	105	461989	57.644	ug/l		100
86) p-Isopropyltoluene	13.379	119	373200	56.185	ug/l		98
87) 1,3-Dichlorobenzene	13.373	146	182536	54.112	ug/l		99
88) 1,4-Dichlorobenzene	13.453	146	179829	53.937	ug/l		99
89) n-Butylbenzene	13.702	91	341903	56.020	ug/l		96
90) Hexachloroethane	13.971	117	71081	62.097	ug/l		91
91) 1,2-Dichlorobenzene	13.745	146	156865	53.821	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	9608	44.789	ug/l		90
93) 1,2,4-Trichlorobenzene	15.013	180	89022	49.486	ug/l		97
94) Hexachlorobutadiene	15.123	225	50910	51.790	ug/l		99
95) Naphthalene	15.245	128	152843	43.735	ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	70470	45.858	ug/l		98

Sample Results: **VY016243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Quant Time: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

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

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

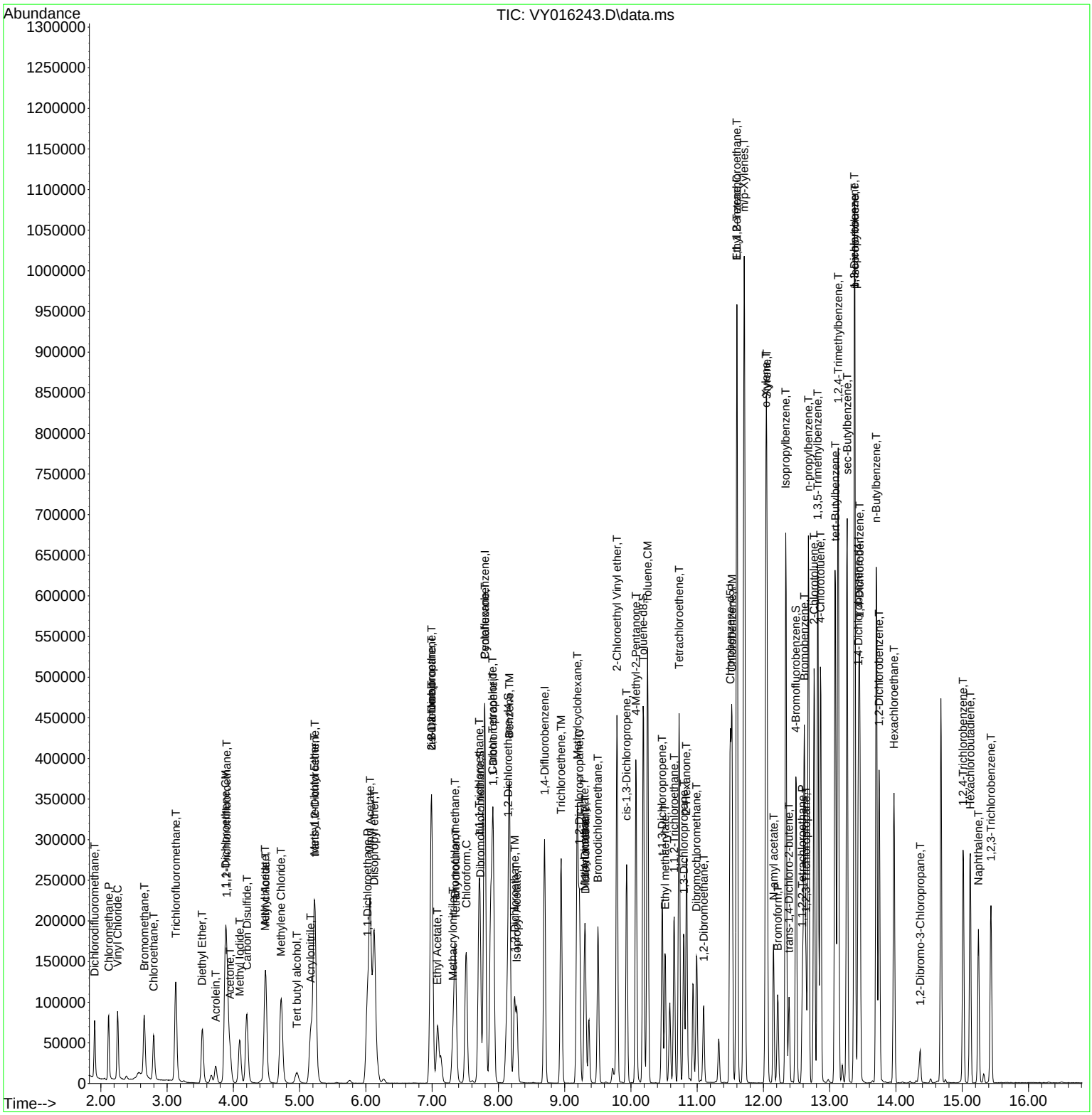
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023



Sample Results: **VY016243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
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: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	90	0.00
2	T	Dichlorodifluoromethane	0.319	0.348	-9.1	93	0.00
3	P	Chloromethane	0.442	0.432	2.3	89	0.00
4	C	Vinyl Chloride	0.456	0.497	-9.0#	95	0.00
5	T	Bromomethane	0.308	0.320	-3.9	95	0.00
6	T	Chloroethane	0.321	0.340	-5.9	96	0.00
7	T	Trichlorofluoromethane	0.688	0.789	-14.7	101	0.00
8	T	Diethyl Ether	0.228	0.240	-5.3	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.433	0.492	-13.6	101	0.00
10	T	Methyl Iodide	0.482	0.529	-9.8	100	0.00
11	T	Tert butyl alcohol	0.035	0.033	5.7	104	0.00
12	CM	1,1-Dichloroethene	0.396	0.443	-11.9#	102	0.00
13	T	Acrolein	0.035	0.031	11.4	101	0.00
14	T	Allyl chloride	0.566	0.671	-18.6	108	0.00
15	T	Acrylonitrile	0.097	0.102	-5.2	102	0.00
16	T	Acetone	0.086	0.071	17.4	93	0.00
17	T	Carbon Disulfide	0.988	1.058	-7.1	94	0.00
18	T	Methyl Acetate	0.376	0.392	-4.3	102	0.00
19	T	Methyl tert-butyl Ether	1.125	1.188	-5.6	100	0.00
20	T	Methylene Chloride	0.533	0.513	3.8	100	-0.01
21	T	trans-1,2-Dichloroethene	0.461	0.511	-10.8	100	0.00
22	T	Diisopropyl ether	1.369	1.541	-12.6	105	0.00
23	T	Vinyl Acetate	0.672	0.718	-6.8	101	0.00
24	P	1,1-Dichloroethane	0.819	0.924	-12.8	105	0.00
25	T	2-Butanone	0.129	0.125	3.1	99	0.00
26	T	2,2-Dichloropropane	0.774	0.878	-13.4	102	0.00
27	T	cis-1,2-Dichloroethene	0.542	0.603	-11.3	103	0.00
28	T	Bromochloromethane	0.307	0.331	-7.8	98	0.00
29	T	Tetrahydrofuran	0.081	0.082	-1.2	98	0.00
30	C	Chloroform	0.892	0.987	-10.7#	102	0.00
31	T	Cyclohexane	0.719	0.758	-5.4	99	0.00
32	T	1,1,1-Trichloroethane	0.818	0.898	-9.8	99	0.00
33	S	1,2-Dichloroethane-d4	0.468	0.467	0.2	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.298	0.296	0.7	98	0.00
36	T	1,1-Dichloropropene	0.430	0.464	-7.9	101	0.00
37	T	Ethyl Acetate	0.192	0.188	2.1	97	0.00
38	T	Carbon Tetrachloride	0.426	0.516	-21.1	109	0.00
39	T	Methylcyclohexane	0.514	0.557	-8.4	97	0.00
40	TM	Benzene	1.236	1.325	-7.2	102	0.00
41	T	Methacrylonitrile	0.111	0.100	9.9	98	0.00
42	TM	1,2-Dichloroethane	0.345	0.352	-2.0	99	0.00
43	T	Isopropyl Acetate	0.379	0.373	1.6	99	0.00
44	TM	Trichloroethene	0.362	0.380	-5.0	99	0.00
45	C	1,2-Dichloropropane	0.297	0.330	-11.1#	104	0.00
46	T	Dibromomethane	0.169	0.175	-3.6	99	0.00
47	T	Bromodichloromethane	0.428	0.467	-9.1	104	0.00
48	T	Methyl methacrylate	0.172	0.173	-0.6	99	0.00

Sample Results: **VY016243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
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: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	97	0.00
50	S	Toluene-d8	1.182	1.186	-0.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.189	0.187	1.1	97	0.00
52	CM	Toluene	0.801	0.855	-6.7#	100	0.00
53	T	t-1,3-Dichloropropene	0.428	0.453	-5.8	102	0.00
54	T	cis-1,3-Dichloropropene	0.502	0.536	-6.8	103	0.00
55	T	1,1,2-Trichloroethane	0.237	0.248	-4.6	102	0.00
56	T	Ethyl methacrylate	0.308	0.311	-1.0	97	0.00
57	T	1,3-Dichloropropane	0.404	0.417	-3.2	102	0.00
58	T	2-Chloroethyl Vinyl ether	0.149	0.148	0.7	98	0.00
59	T	2-Hexanone	0.130	0.129	0.8	98	0.00
60	T	Dibromochloromethane	0.298	0.317	-6.4	102	0.00
61	T	1,2-Dibromoethane	0.226	0.232	-2.7	100	0.00
62	S	4-Bromofluorobenzene	0.404	0.389	3.7	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.445	0.444	0.2	91	0.00
65	PM	Chlorobenzene	0.993	1.066	-7.4	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.368	0.411	-11.7	103	0.00
67	C	Ethyl Benzene	1.777	1.949	-9.7#	99	0.00
68	T	m/p-Xylenes	0.687	0.747	-8.7	98	0.00
69	T	o-Xylene	0.656	0.704	-7.3	98	0.00
70	T	Styrene	1.090	1.169	-7.2	98	0.00
71	P	Bromoform	0.204	0.216	-5.9	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
73	T	Isopropylbenzene	3.751	4.261	-13.6	98	0.00
74	T	N-amyl acetate	0.815	0.836	-2.6	92	0.00
75	P	1,1,2,2-Tetrachloroethane	0.597	0.650	-8.9	103	0.00
76	T	1,2,3-Trichloropropane	0.471	0.454	3.6	79	0.00
77	T	Bromobenzene	0.849	0.937	-10.4	99	0.00
78	T	n-propylbenzene	4.434	5.053	-14.0	98	0.00
79	T	2-Chlorotoluene	2.473	2.783	-12.5	99	0.00
80	T	1,3,5-Trimethylbenzene	3.039	3.416	-12.4	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.217	0.232	-6.9	98	0.00
82	T	4-Chlorotoluene	2.540	2.820	-11.0	98	0.00
83	T	tert-Butylbenzene	2.719	3.126	-15.0	98	0.00
84	T	1,2,4-Trimethylbenzene	3.007	3.317	-10.3	97	0.00
85	T	sec-Butylbenzene	3.991	4.601	-15.3	99	0.00
86	T	p-Isopropyltoluene	3.307	3.716	-12.4	96	0.00
87	T	1,3-Dichlorobenzene	1.680	1.818	-8.2	96	0.00
88	T	1,4-Dichlorobenzene	1.660	1.791	-7.9	98	0.00
89	T	n-Butylbenzene	3.039	3.405	-12.0	96	0.00
90	T	Hexachloroethane	0.570	0.708	-24.2	107	0.00
91	T	1,2-Dichlorobenzene	1.451	1.562	-7.6	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.107	0.096	10.3	84	0.00
93	T	1,2,4-Trichlorobenzene	0.896	0.887	1.0	87	0.00
94	T	Hexachlorobutadiene	0.489	0.507	-3.7	90	0.00
95	T	Naphthalene	1.740	1.522	12.5	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
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: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	0.765	0.702	8.2	82	0.00

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

Sample Results: **VY016243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
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: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	90	0.00
2	T	Dichlorodifluoromethane	50.000	54.513	-9.0	93	0.00
3	P	Chloromethane	50.000	48.930	2.1	89	0.00
4	C	Vinyl Chloride	50.000	54.537	-9.1#	95	0.00
5	T	Bromomethane	50.000	52.058	-4.1	95	0.00
6	T	Chloroethane	50.000	53.007	-6.0	96	0.00
7	T	Trichlorofluoromethane	50.000	57.319	-14.6	101	0.00
8	T	Diethyl Ether	50.000	52.714	-5.4	100	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.719	-13.4	101	0.00
10	T	Methyl Iodide	50.000	54.872	-9.7	100	0.00
11	T	Tert butyl alcohol	250.000	235.516	5.8	104	0.00
12	CM	1,1-Dichloroethene	50.000	55.967	-11.9#	102	0.00
13	T	Acrolein	250.000	242.768	2.9	101	0.00
14	T	Allyl chloride	50.000	59.301	-18.6	108	0.00
15	T	Acrylonitrile	250.000	261.477	-4.6	102	0.00
16	T	Acetone	250.000	235.983	5.6	93	0.00
17	T	Carbon Disulfide	50.000	53.560	-7.1	94	0.00
18	T	Methyl Acetate	50.000	52.150	-4.3	102	0.00
19	T	Methyl tert-butyl Ether	50.000	52.796	-5.6	100	0.00
20	T	Methylene Chloride	50.000	54.132	-8.3	100	-0.01
21	T	trans-1,2-Dichloroethene	50.000	55.435	-10.9	100	0.00
22	T	Diisopropyl ether	50.000	56.288	-12.6	105	0.00
23	T	Vinyl Acetate	250.000	267.150	-6.9	101	0.00
24	P	1,1-Dichloroethane	50.000	56.410	-12.8	105	0.00
25	T	2-Butanone	250.000	241.495	3.4	99	0.00
26	T	2,2-Dichloropropane	50.000	56.668	-13.3	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.631	-11.3	103	0.00
28	T	Bromochloromethane	50.000	53.998	-8.0	98	0.00
29	T	Tetrahydrofuran	250.000	254.321	-1.7	98	0.00
30	C	Chloroform	50.000	55.356	-10.7#	102	0.00
31	T	Cyclohexane	50.000	52.670	-5.3	99	0.00
32	T	1,1,1-Trichloroethane	50.000	54.896	-9.8	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.914	0.2	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	49.673	0.7	98	0.00
36	T	1,1-Dichloropropene	50.000	53.912	-7.8	101	0.00
37	T	Ethyl Acetate	50.000	48.962	2.1	97	0.00
38	T	Carbon Tetrachloride	50.000	60.507	-21.0	109	0.00
39	T	Methylcyclohexane	50.000	54.241	-8.5	97	0.00
40	TM	Benzene	50.000	53.595	-7.2	102	0.00
41	T	Methacrylonitrile	50.000	44.754	10.5	98	0.00
42	TM	1,2-Dichloroethane	50.000	51.104	-2.2	99	0.00
43	T	Isopropyl Acetate	50.000	49.235	1.5	99	0.00
44	TM	Trichloroethene	50.000	52.606	-5.2	99	0.00
45	C	1,2-Dichloropropane	50.000	55.535	-11.1#	104	0.00
46	T	Dibromomethane	50.000	51.853	-3.7	99	0.00
47	T	Bromodichloromethane	50.000	54.490	-9.0	104	0.00
48	T	Methyl methacrylate	50.000	50.098	-0.2	99	0.00

Sample Results: **VY016243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
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: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	953.515	4.6	97	0.00
50	S	Toluene-d8	50.000	50.195	-0.4	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	246.861	1.3	97	0.00
52	CM	Toluene	50.000	53.358	-6.7#	100	0.00
53	T	t-1,3-Dichloropropene	50.000	52.937	-5.9	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.411	-6.8	103	0.00
55	T	1,1,2-Trichloroethane	50.000	52.300	-4.6	102	0.00
56	T	Ethyl methacrylate	50.000	50.516	-1.0	97	0.00
57	T	1,3-Dichloropropane	50.000	51.611	-3.2	102	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.568	1.0	98	0.00
59	T	2-Hexanone	250.000	248.723	0.5	98	0.00
60	T	Dibromochloromethane	50.000	53.210	-6.4	102	0.00
61	T	1,2-Dibromoethane	50.000	51.487	-3.0	100	0.00
62	S	4-Bromofluorobenzene	50.000	48.106	3.8	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	49.936	0.1	91	0.00
65	PM	Chlorobenzene	50.000	53.668	-7.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.903	-11.8	103	0.00
67	C	Ethyl Benzene	50.000	54.845	-9.7#	99	0.00
68	T	m/p-Xylenes	100.000	108.837	-8.8	98	0.00
69	T	o-Xylene	50.000	53.713	-7.4	98	0.00
70	T	Styrene	50.000	53.618	-7.2	98	0.00
71	P	Bromoform	50.000	52.965	-5.9	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	87	0.00
73	T	Isopropylbenzene	50.000	56.809	-13.6	98	0.00
74	T	N-amyl acetate	50.000	51.310	-2.6	92	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	54.495	-9.0	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.191	3.6	79	0.00
77	T	Bromobenzene	50.000	55.181	-10.4	99	0.00
78	T	n-propylbenzene	50.000	56.979	-14.0	98	0.00
79	T	2-Chlorotoluene	50.000	56.262	-12.5	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.207	-12.4	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.469	-6.9	98	0.00
82	T	4-Chlorotoluene	50.000	55.525	-11.0	98	0.00
83	T	tert-Butylbenzene	50.000	57.489	-15.0	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.156	-10.3	97	0.00
85	T	sec-Butylbenzene	50.000	57.644	-15.3	99	0.00
86	T	p-Isopropyltoluene	50.000	56.185	-12.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	54.112	-8.2	96	0.00
88	T	1,4-Dichlorobenzene	50.000	53.937	-7.9	98	0.00
89	T	n-Butylbenzene	50.000	56.020	-12.0	96	0.00
90	T	Hexachloroethane	50.000	62.097	-24.2	107	0.00
91	T	1,2-Dichlorobenzene	50.000	53.821	-7.6	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.789	10.4	84	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.486	1.0	87	0.00
94	T	Hexachlorobutadiene	50.000	51.790	-3.6	90	0.00
95	T	Naphthalene	50.000	43.735	12.5	81	0.00

Sample Results: **VY016243.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016243.D
Acq On : 07 Nov 2023 08:35
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: Nov 07 23:41:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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	45.858	8.3	82	0.00

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

CHEMTECH

QC SAMPLE DATA

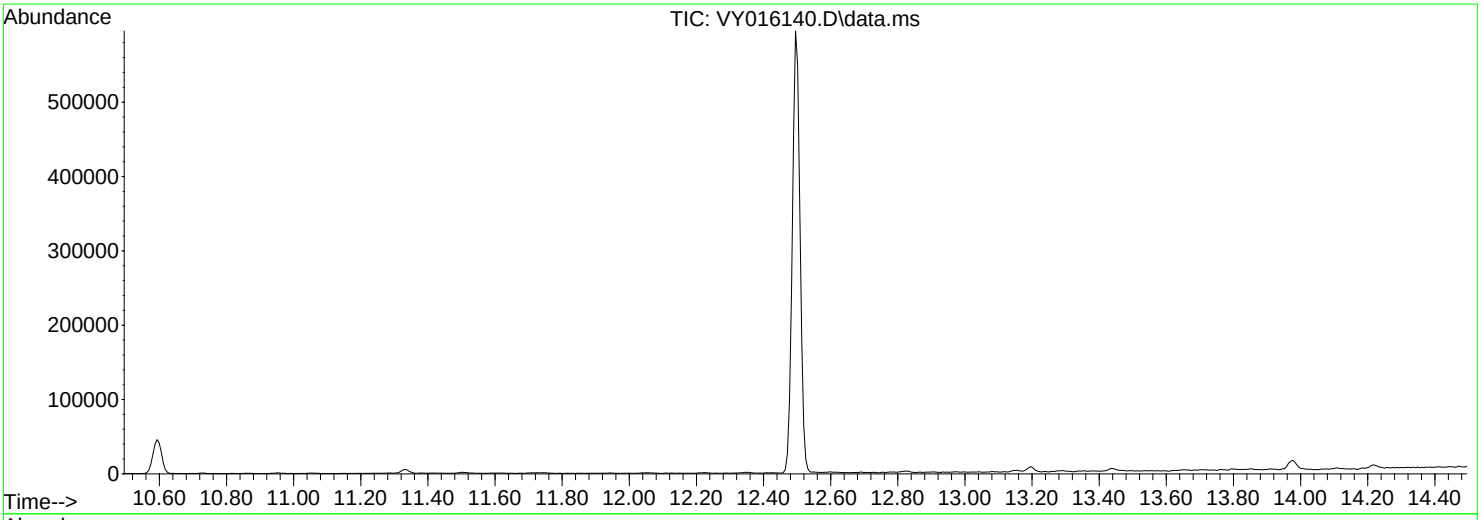
Sample Results: **VY016140.D**

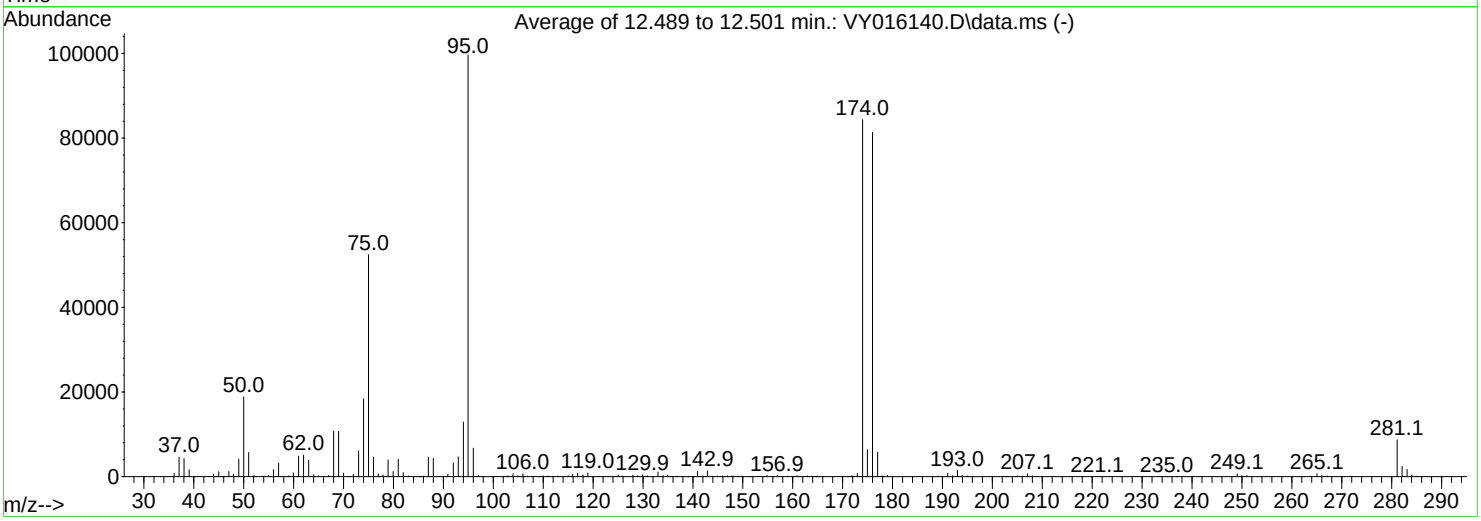
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
Data File : VY016140.D
Acq On : 31 Oct 2023 08:42
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Title : SW846 8260
Last Update : Wed Nov 01 03:33:29 2023





AutoFind: Scans 1750, 1751, 1752; Background Corrected with Scan 1742

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.9	18856	PASS
75	95	30	60	52.6	52437	PASS
95	95	100	100	100.0	99681	PASS
96	95	5	9	6.7	6718	PASS
173	174	0.00	2	0.9	801	PASS
174	95	50	100	84.6	84349	PASS
175	174	5	9	7.5	6339	PASS
176	174	95	101	96.5	81357	PASS
177	176	5	9	7.1	5789	PASS

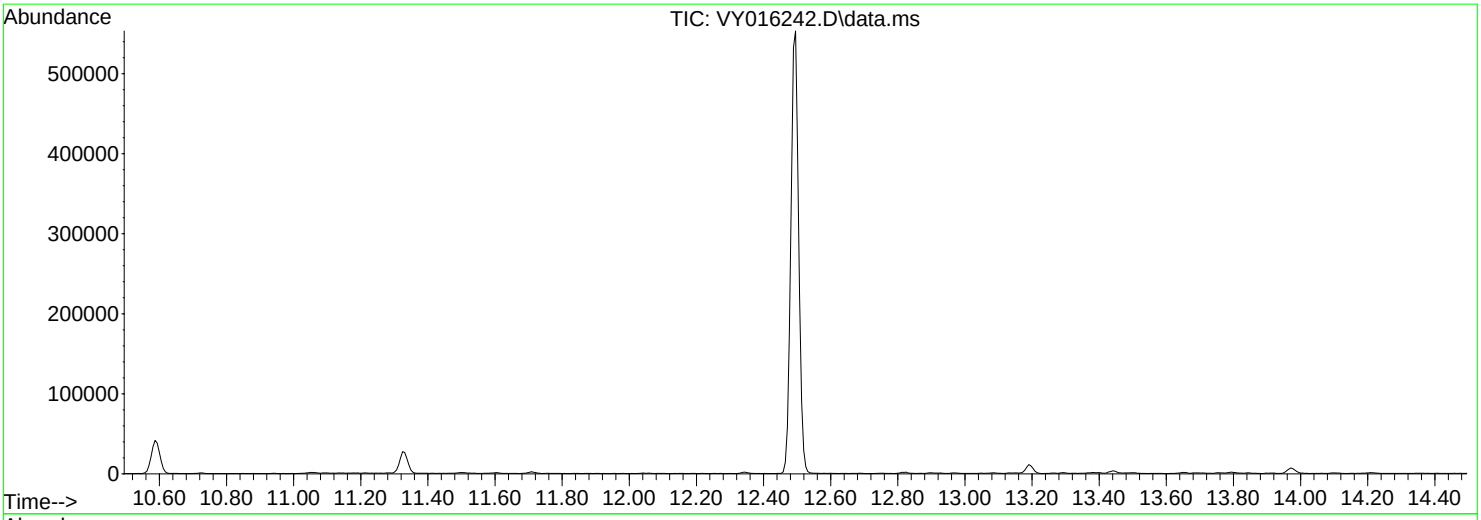
Sample Results: **VY016242.D**

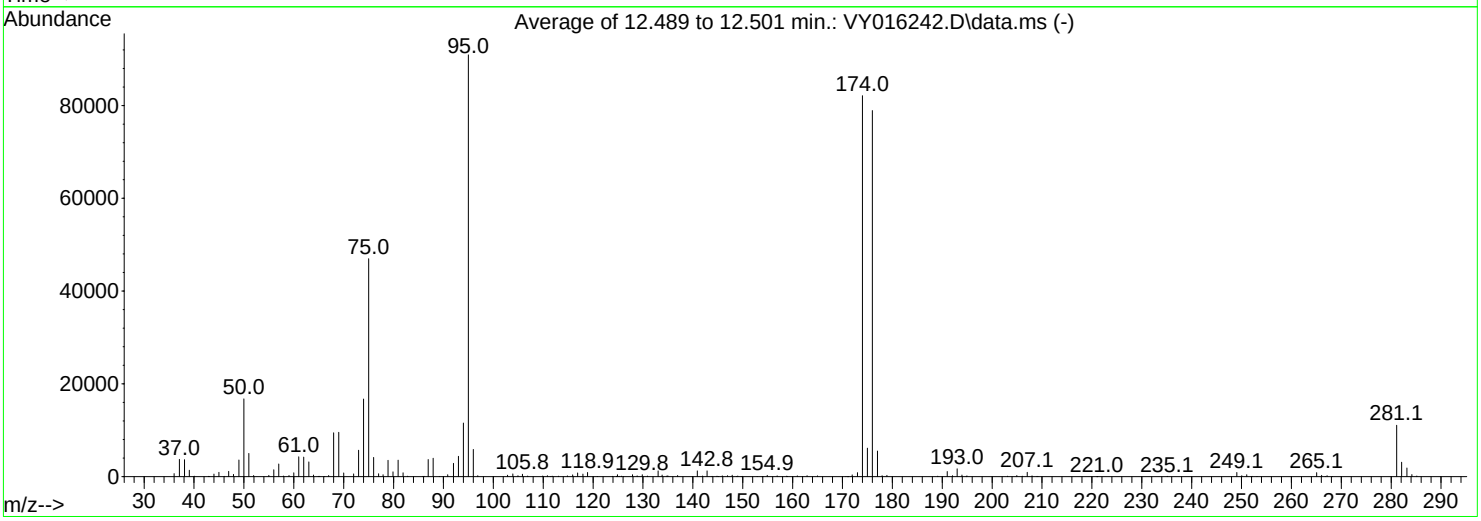
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016242.D
Acq On : 07 Nov 2023 08:03
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Title : SW846 8260
Last Update : Wed Nov 01 03:33:29 2023





AutoFind: Scans 1750, 1751, 1752; Background Corrected with Scan 1741

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	16764	PASS
75	95	30	60	51.7	46992	PASS
95	95	100	100	100.0	90928	PASS
96	95	5	9	6.4	5850	PASS
173	174	0.00	2	1.0	851	PASS
174	95	50	100	90.3	82109	PASS
175	174	5	9	7.5	6148	PASS
176	174	95	101	96.1	78923	PASS
177	176	5	9	7.0	5517	PASS

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	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
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0016	U	0.0016	0.0050	mg/Kg
74-87-3	Chloromethane	0.00091	U	0.00091	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.00093	U	0.00093	0.0050	mg/Kg
74-83-9	Bromomethane	0.0012	U	0.0012	0.0050	mg/Kg
75-00-3	Chloroethane	0.00088	U	0.00088	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.0011	U	0.0011	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00072	U	0.00072	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.00079	U	0.00079	0.0050	mg/Kg
67-64-1	Acetone	0.0094	U	0.0094	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0022	U	0.0022	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00065	U	0.00065	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0016	U	0.0016	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0072	J	0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00073	U	0.00073	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00072	U	0.00072	0.0050	mg/Kg
110-82-7	Cyclohexane	0.00070	U	0.00070	0.0050	mg/Kg
78-93-3	2-Butanone	0.0073	U	0.0073	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00078	U	0.00078	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00064	U	0.00064	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0024	U	0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.0013	U	0.0013	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00076	U	0.00076	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.0034	U	0.0034	0.0050	mg/Kg
71-43-2	Benzene	0.00066	U	0.00066	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.00072	U	0.00072	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00066	U	0.00066	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.00059	U	0.00059	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00070	U	0.00070	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0045	U	0.0045	0.025	mg/Kg
108-88-3	Toluene	0.00065	U	0.00065	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.00077	U	0.00077	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00074	U	0.00074	0.0050	mg/Kg

Raw Data: **VY016244.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	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
VY016244.D	1		11/07/23 09:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.00086	U	0.00086	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0053	U	0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00085	U	0.00085	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.00079	U	0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.00077	U	0.00077	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00063	U	0.00063	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00067	U	0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0014	U	0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.00077	U	0.00077	0.0050	mg/Kg
100-42-5	Styrene	0.00069	U	0.00069	0.0050	mg/Kg
75-25-2	Bromoform	0.00095	U	0.00095	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00071	U	0.00071	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00068	U	0.00068	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00060	U	0.00060	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00060	U	0.00060	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00061	U	0.00061	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00063	U	0.00063	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.4		70 (50) - 130 (163)	125%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (39) - 130 (149)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	7.795			
540-36-3	1,4-Difluorobenzene	189000	8.697			
3114-55-4	Chlorobenzene-d5	182000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	83700	13.434			

Raw Data: **VY016244.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBL01	SDG No.:	O5252
Lab Sample ID:	VY1107SBL01	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
VY016244.D	1		11/07/23 09:31	VY110723

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\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 07 23:42:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

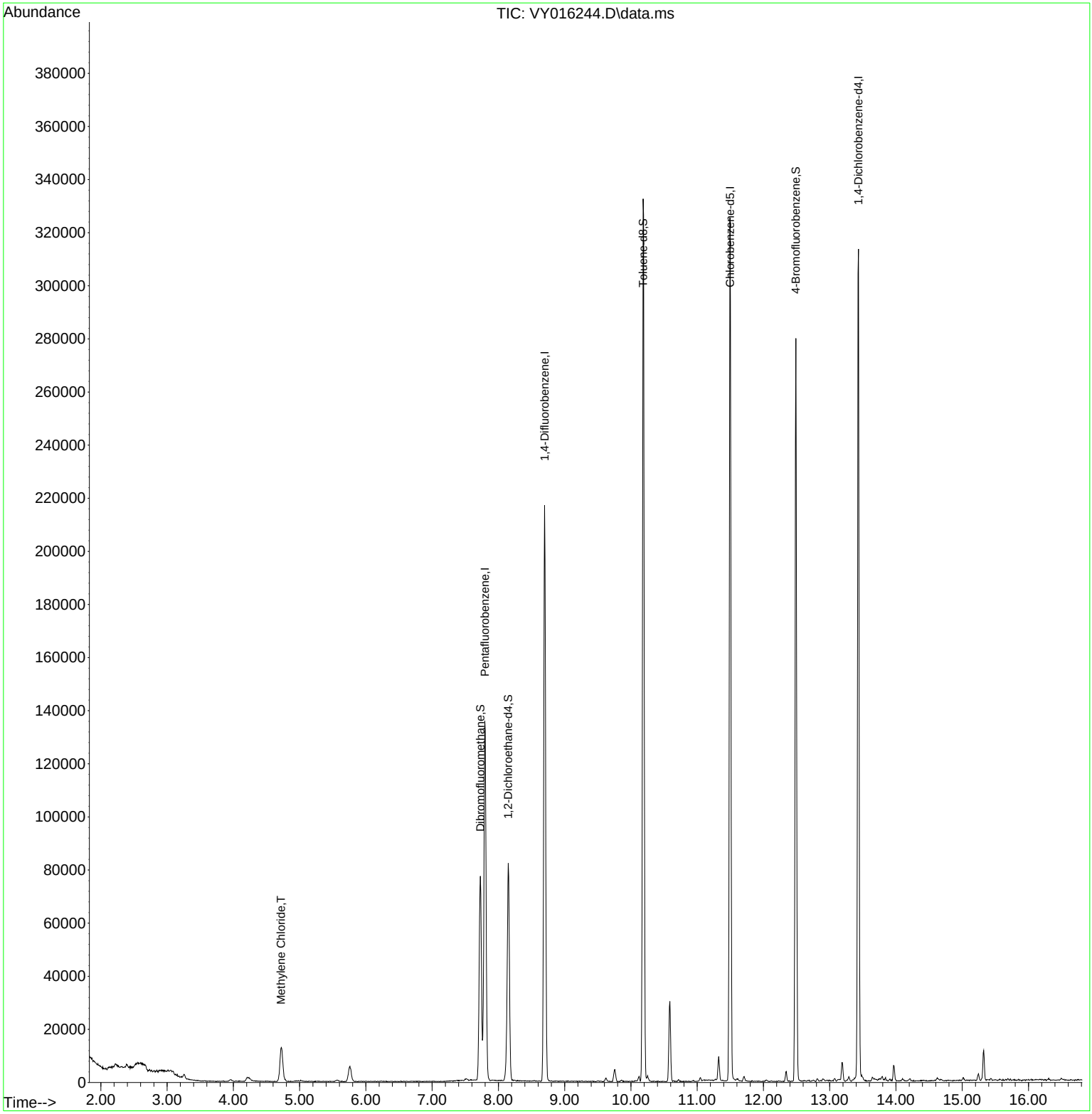
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	106864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	189173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	181795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	83712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62381	62.383	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.760%			
35) Dibromofluoromethane	7.728	113	55475	49.189	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.185	98	221655	49.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.140%			
62) 4-Bromofluorobenzene	12.489	95	78348	51.241	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.480%			
Target Compounds						Qvalue
20) Methylene Chloride	4.716	84	9952	7.176	ug/l	89

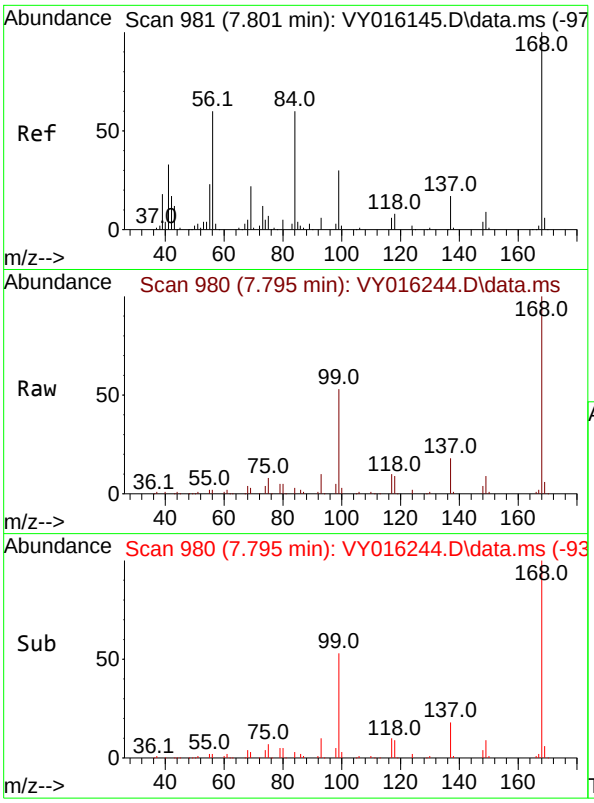
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Time: Nov 07 23:42:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration



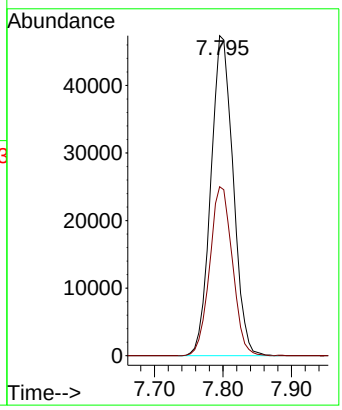


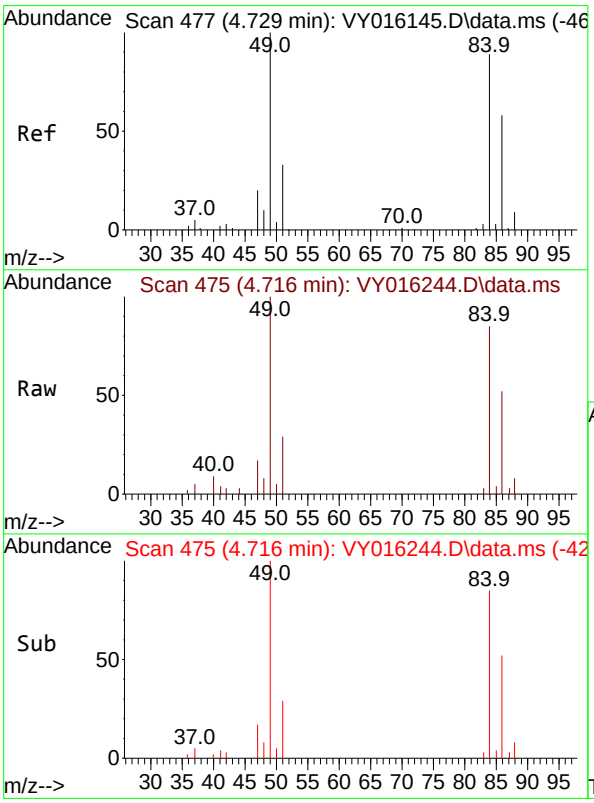
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:168 Resp: 106864

Ion	Ratio	Lower	Upper
168	100		
99	52.8	43.4	65.0

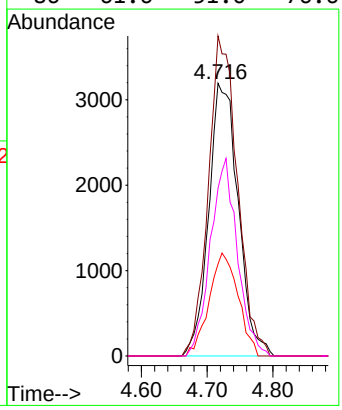


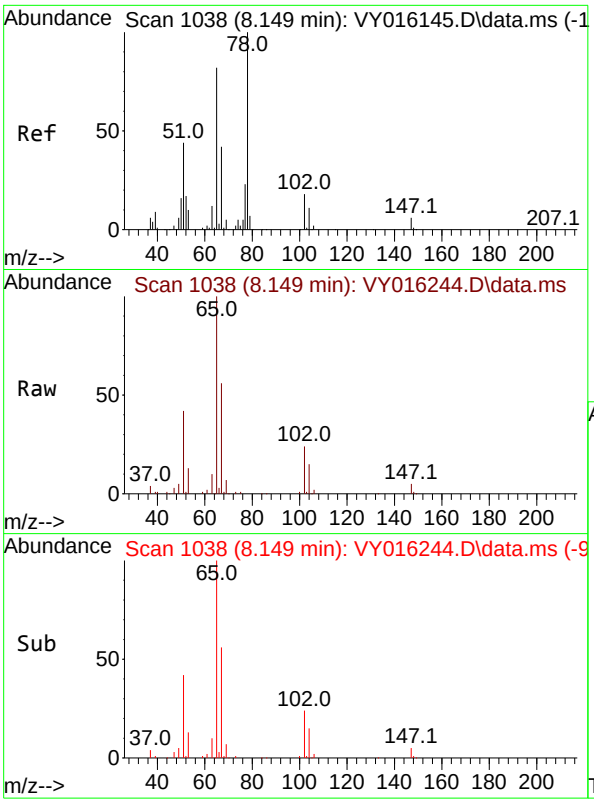


#20
Methylene Chloride
Concen: 7.176 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.013 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion: 84 Resp: 9952

Ion	Ratio	Lower	Upper
84	100		
49	117.4	106.9	160.3
51	33.7	33.2	49.8
86	61.6	51.0	76.6



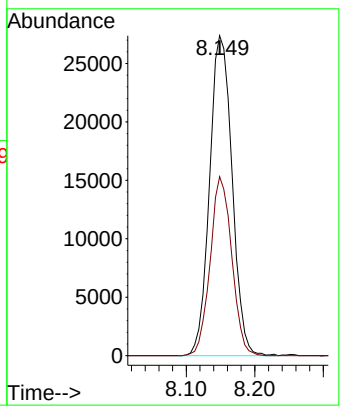


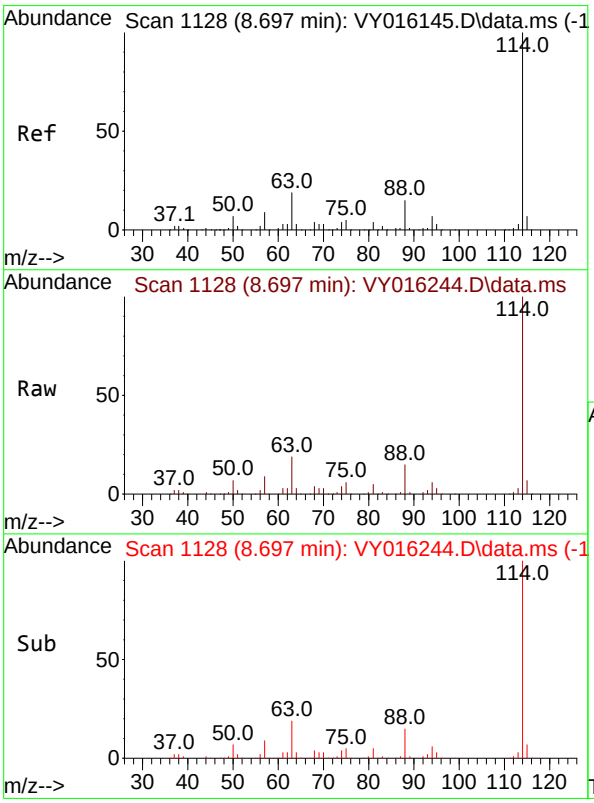
#33
1,2-Dichloroethane-d4
Concen: 62.383 ug/l
RT: 8.149 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion: 65 Resp: 62381

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	101.8

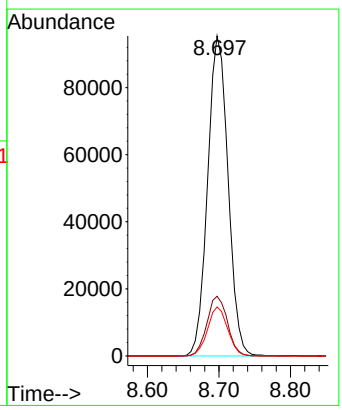


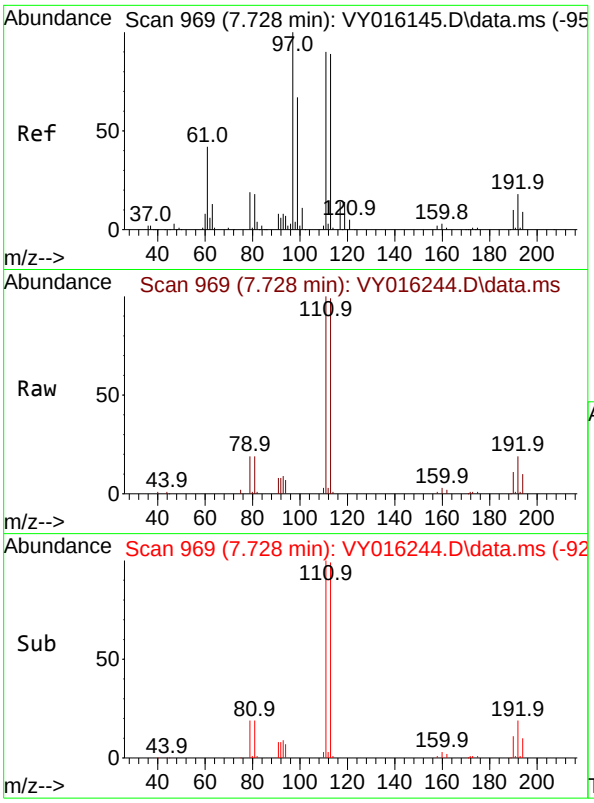


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion:114 Resp: 189173

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	42.4
88	15.3	0.0	30.6



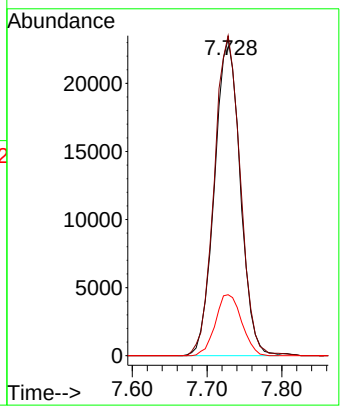


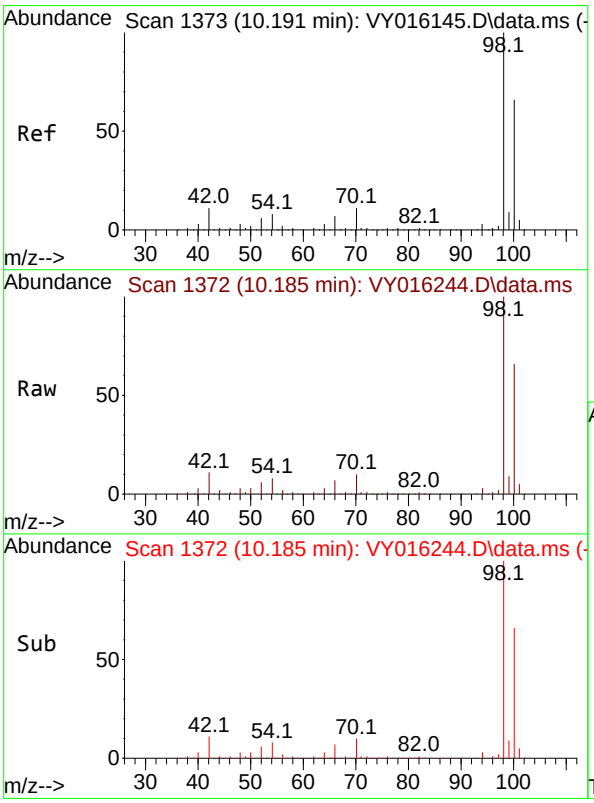
#35
Dibromofluoromethane
Concen: 49.189 ug/l
RT: 7.728 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:113 Resp: 55475

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	19.7	16.9	25.3

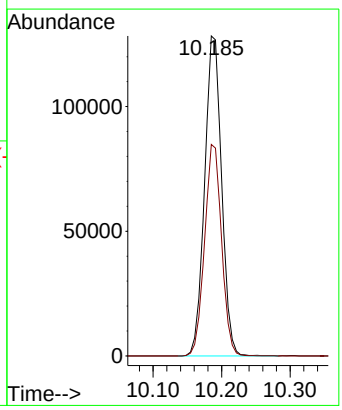


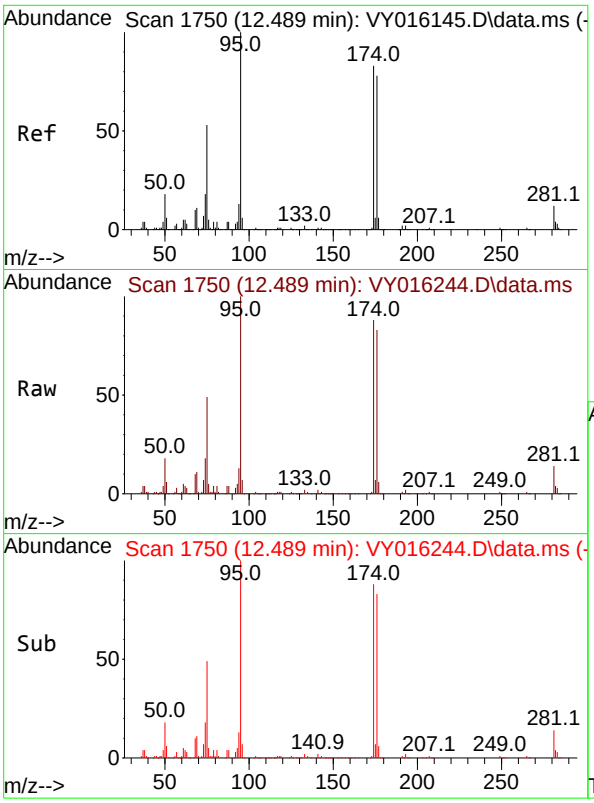


#50
Toluene-d8
Concen: 49.571 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion: 98 Resp: 221655

Ion	Ratio	Lower	Upper
98	100		
100	66.0	50.1	75.1



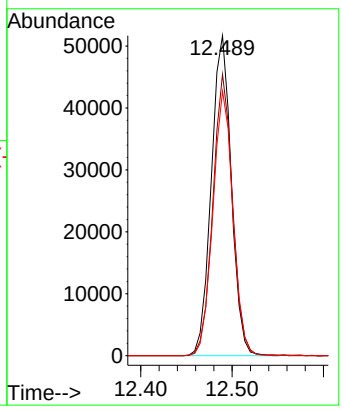


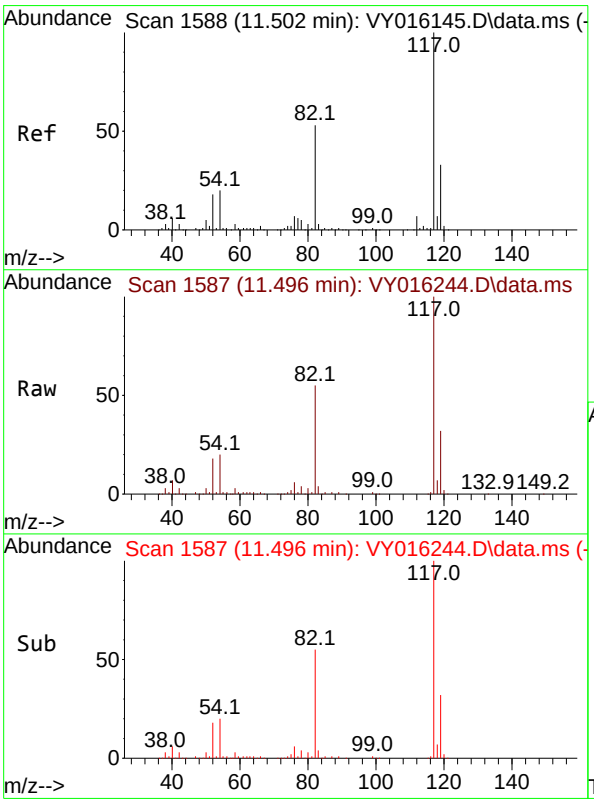
#62
4-Bromofluorobenzene
Concen: 51.241 ug/l
RT: 12.489 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion: 95 Resp: 78348

Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	178.2
176	82.9	0.0	173.8

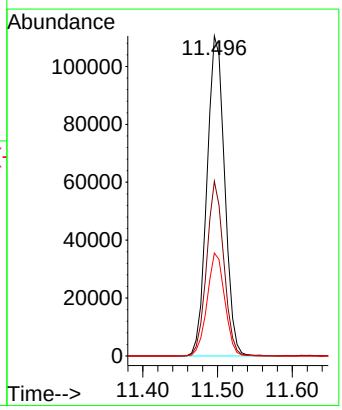


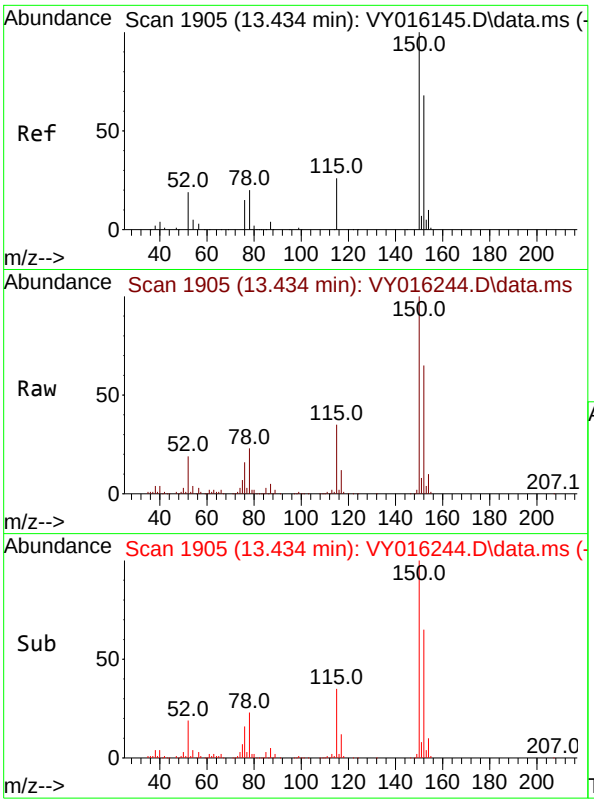


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Tgt Ion:117 Resp: 181795

Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.4	65.0
119	32.2	26.3	39.5



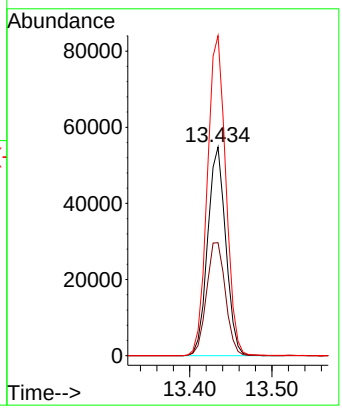


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016244.D
Acq: 07 Nov 2023 09:31

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Tgt Ion:152 Resp: 83712

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.8	86.5
150	156.4	0.0	348.8



Sample Results: **VY016244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

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\82Y103123S.M
Title : SW846 8260

Signal : TIC: VY016244.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.723	465	476	492	rVB2	12811	40258	7.00%	1.209%
2	5.759	637	646	658	rVB3	5767	17460	3.04%	0.524%
3	7.728	960	969	974	rBV	76797	182195	31.68%	5.473%
4	7.795	974	980	993	rVB	135465	308698	53.67%	9.273%
5	8.149	1026	1038	1047	rBV2	81806	191064	33.22%	5.739%
6	8.697	1120	1128	1139	rBV	216803	423866	73.70%	12.733%
7	9.758	1296	1302	1308	rVB2	4568	9375	1.63%	0.282%
8	10.185	1365	1372	1380	rBV	332192	575150	100.00%	17.277%
9	10.587	1430	1438	1445	rBV	30217	55058	9.57%	1.654%
10	11.325	1553	1559	1567	rVB2	9072	14672	2.55%	0.441%
11	11.496	1580	1587	1601	rVB	324914	528277	91.85%	15.869%
12	12.343	1720	1726	1731	rBV4	3837	6027	1.05%	0.181%
13	12.489	1743	1750	1763	rVB2	279692	444017	77.20%	13.338%
14	13.190	1860	1865	1872	rVB3	7107	12525	2.18%	0.376%
15	13.434	1896	1905	1912	rBV	312331	492046	85.55%	14.781%
16	13.965	1988	1992	1999	rVB2	5927	9844	1.71%	0.296%
17	15.324	2208	2215	2221	rVB	11278	18476	3.21%	0.555%

Sum of corrected areas: 3329008

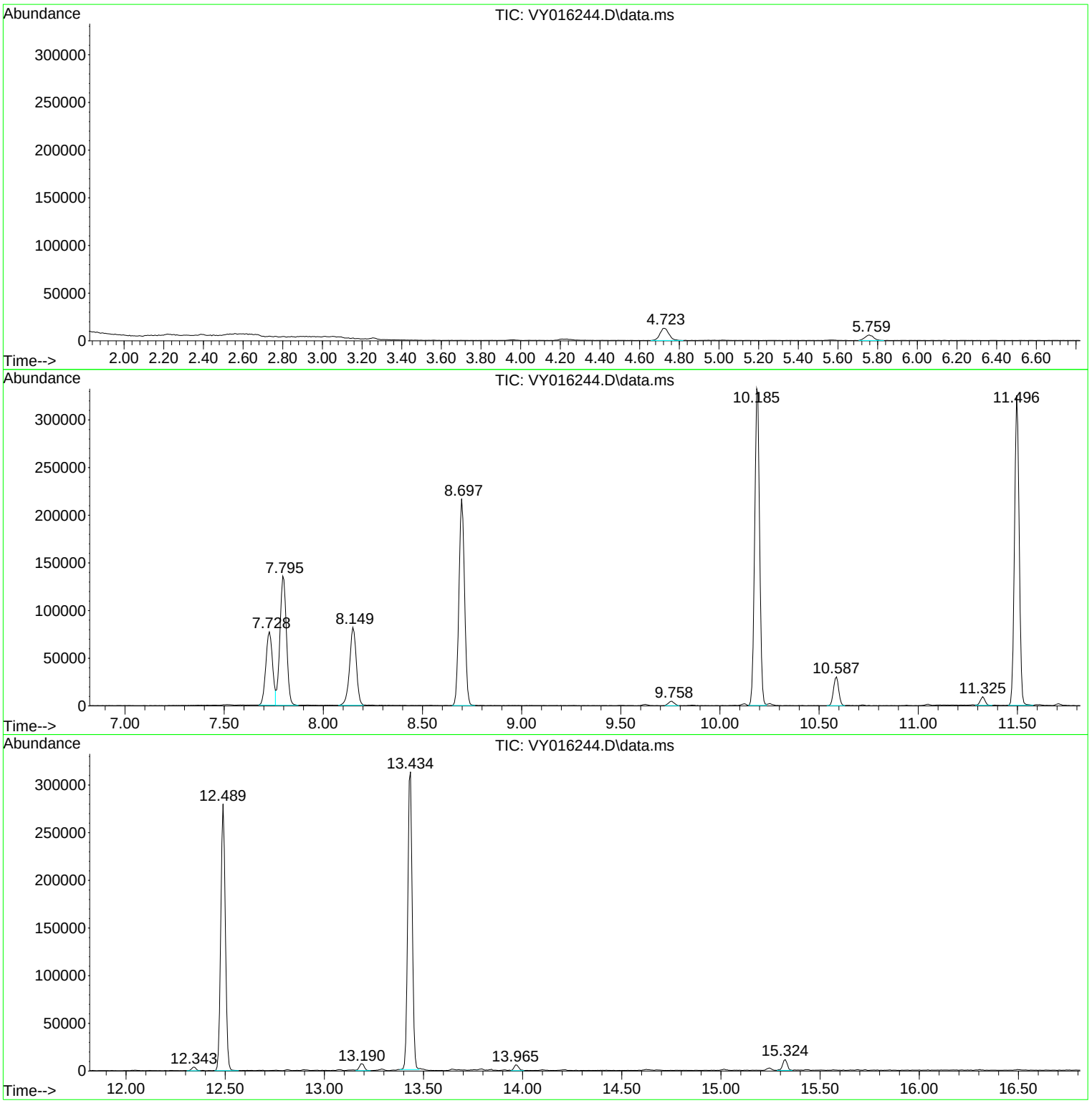
Sample Results: **VY016244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY016244.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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\VY110723\
Data File : VY016244.D
Acq On : 07 Nov 2023 09:31
Operator : SY/MD
Sample : VY1107SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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: **VY016245.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	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
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.018		0.0016	0.0050	mg/Kg
74-87-3	Chloromethane	0.016		0.00091	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.017		0.00093	0.0050	mg/Kg
74-83-9	Bromomethane	0.017		0.0012	0.0050	mg/Kg
75-00-3	Chloroethane	0.018		0.00088	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.020		0.0011	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.00072	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.019		0.00079	0.0050	mg/Kg
67-64-1	Acetone	0.097		0.0094	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.015		0.0022	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.021		0.00065	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.022		0.0016	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.020		0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.019		0.00073	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.021		0.00072	0.0050	mg/Kg
110-82-7	Cyclohexane	0.018		0.00070	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0073	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00078	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.020		0.00064	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.020		0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.021		0.0013	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.020		0.00076	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.018		0.0034	0.0050	mg/Kg
71-43-2	Benzene	0.019		0.00066	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00072	0.0050	mg/Kg
79-01-6	Trichloroethene	0.019		0.00066	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00059	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.021		0.00070	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0045	0.025	mg/Kg
108-88-3	Toluene	0.019		0.00065	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00077	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.020		0.00074	0.0050	mg/Kg

Raw Data: **VY016245.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	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
VY016245.D	1		11/07/23 10:08	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.021		0.00086	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.021		0.00085	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.018		0.00077	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00063	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.039		0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00077	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00069	0.0050	mg/Kg
75-25-2	Bromoform	0.022		0.00095	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00071	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.023		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.020		0.00068	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.020		0.00060	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.020		0.00060	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.020		0.0012	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.019		0.00061	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.018		0.00063	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (39) - 130 (149)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	7.795			
540-36-3	1,4-Difluorobenzene	275000	8.697			
3114-55-4	Chlorobenzene-d5	238000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.434			

Raw Data: **VY016245.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBS01	SDG No.:	O5252
Lab Sample ID:	VY1107SBS01	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
VY016245.D	1		11/07/23 10:08	VY110723

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\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	169940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	237625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	111499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83244	52.349	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.700%			
35) Dibromofluoromethane	7.722	113	82365	50.223	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.185	98	325208	50.015	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.489	95	107641	48.413	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	19426	17.920	ug/l	99
3) Chloromethane	2.113	50	23839	15.883	ug/l	96
4) Vinyl Chloride	2.253	62	26994	17.426	ug/l	94
5) Bromomethane	2.644	94	18074	17.289	ug/l	99
6) Chloroethane	2.796	64	19367	17.758	ug/l	99
7) Trichlorofluoromethane	3.131	101	46866	20.040	ug/l	99
8) Diethyl Ether	3.534	74	16381	21.134	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.906	101	30653	20.806	ug/l	95
10) Methyl Iodide	4.095	142	28035	17.113	ug/l	97
11) Tert butyl alcohol	4.960	59	14240	119.855	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	26051	19.373	ug/l	88
13) Acrolein	3.735	56	12325	108.136	ug/l	99
14) Allyl chloride	4.485	41	39704	20.642	ug/l #	94
15) Acrylonitrile	5.162	53	37020	111.772	ug/l	99
16) Acetone	3.948	43	27523	96.728	ug/l	98
17) Carbon Disulfide	4.198	76	50792	15.129	ug/l	98
18) Methyl Acetate	4.479	43	28115	21.985	ug/l #	89
19) Methyl tert-butyl Ether	5.235	73	81342	21.266	ug/l	98
20) Methylene Chloride	4.723	84	35358	20.036	ug/l	89
21) trans-1,2-Dichloroethene	5.229	96	29741	18.988	ug/l	92
22) Diisopropyl ether	6.125	45	99764	21.444	ug/l	89
23) Vinyl Acetate	6.064	43	242641	106.228	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	58358	20.960	ug/l	98
25) 2-Butanone	6.990	43	47585	108.464	ug/l	90
26) 2,2-Dichloropropane	6.990	77	53557	20.348	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	37539	20.365	ug/l	94
28) Bromochloromethane	7.338	49	20405	19.584	ug/l	87
29) Tetrahydrofuran	7.356	42	30593	111.242	ug/l	88
30) Chloroform	7.509	83	64563	21.299	ug/l	100
31) Cyclohexane	7.789	56	44409	18.167	ug/l #	80
32) 1,1,1-Trichloroethane	7.710	97	56312	20.256	ug/l	97
36) 1,1-Dichloropropene	7.923	75	44486	18.785	ug/l	99
37) Ethyl Acetate	7.082	43	22806	21.622	ug/l #	96
38) Carbon Tetrachloride	7.905	117	49996	21.310	ug/l	98
39) Methylcyclohexane	9.191	83	51146	18.094	ug/l	93
40) Benzene	8.167	78	130087	19.134	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.320	41	13441	21.954	ug/l	#	86
42) 1,2-Dichloroethane	8.240	62	37614	19.825	ug/l		94
43) Isopropyl Acetate	8.277	43	44322	21.244	ug/l	#	93
44) Trichloroethene	8.947	130	37988	19.094	ug/l		97
45) 1,2-Dichloropropane	9.222	63	34340	20.997	ug/l		96
46) Dibromomethane	9.307	93	18983	20.461	ug/l		96
47) Bromodichloromethane	9.502	83	49460	20.982	ug/l		96
48) Methyl methacrylate	9.301	41	18862	19.882	ug/l	#	86
49) 1,4-Dioxane	9.307	88	4841	364.880	ug/l	#	67
51) 4-Methyl-2-Pentanone	10.075	43	114176	109.677	ug/l		91
52) Toluene	10.252	92	85533	19.415	ug/l		94
53) t-1,3-Dichloropropene	10.472	75	48282	20.518	ug/l		99
54) cis-1,3-Dichloropropene	9.935	75	55985	20.275	ug/l		90
55) 1,1,2-Trichloroethane	10.648	97	27848	21.339	ug/l		98
56) Ethyl methacrylate	10.514	69	34963	20.629	ug/l	#	86
57) 1,3-Dichloropropane	10.795	76	46336	20.856	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.789	63	87916	106.974	ug/l		94
59) 2-Hexanone	10.837	43	80200	112.424	ug/l		91
60) Dibromochloromethane	10.990	129	34243	20.915	ug/l		99
61) 1,2-Dibromoethane	11.093	107	25705	20.708	ug/l		97
64) Tetrachloroethene	10.728	164	38821	18.367	ug/l		95
65) Chlorobenzene	11.520	112	94284	19.971	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.599	131	36188	20.695	ug/l		96
67) Ethyl Benzene	11.599	91	166149	19.676	ug/l		98
68) m/p-Xylenes	11.709	106	127656	39.123	ug/l		94
69) o-Xylene	12.038	106	60698	19.483	ug/l		97
70) Styrene	12.051	104	101835	19.663	ug/l		96
71) Bromoform	12.215	173	20865	21.509	ug/l	#	100
73) Isopropylbenzene	12.337	105	167894	20.074	ug/l		99
74) N-amyl acetate	12.148	43	37343	20.546	ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	30023	22.559	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	20189m	19.228	ug/l		
77) Bromobenzene	12.618	156	38382	20.267	ug/l		96
78) n-propylbenzene	12.678	91	200334	20.260	ug/l		99
79) 2-Chlorotoluene	12.764	91	110459	20.028	ug/l		98
80) 1,3,5-Trimethylbenzene	12.819	105	134785	19.891	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.386	75	10228	21.121	ug/l		94
82) 4-Chlorotoluene	12.861	91	112298	19.829	ug/l		98
83) tert-Butylbenzene	13.081	119	124687	20.565	ug/l		97
84) 1,2,4-Trimethylbenzene	13.130	105	132229	19.721	ug/l		98
85) sec-Butylbenzene	13.264	105	182828	20.545	ug/l		99
86) p-Isopropyltoluene	13.380	119	150141	20.357	ug/l		99
87) 1,3-Dichlorobenzene	13.373	146	76194	20.343	ug/l		98
88) 1,4-Dichlorobenzene	13.453	146	73225	19.780	ug/l		99
89) n-Butylbenzene	13.703	91	137710	20.321	ug/l		97
90) Hexachloroethane	13.971	117	28630	22.526	ug/l		90
91) 1,2-Dichlorobenzene	13.745	146	65751	20.318	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4766	20.010	ug/l		97
93) 1,2,4-Trichlorobenzene	15.020	180	37508	18.778	ug/l		99
94) Hexachlorobutadiene	15.123	225	22586	20.693	ug/l		97
95) Naphthalene	15.245	128	68341	17.612	ug/l		99
96) 1,2,3-Trichlorobenzene	15.434	180	31226	18.301	ug/l		99

Sample Results: **VY016245.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

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

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

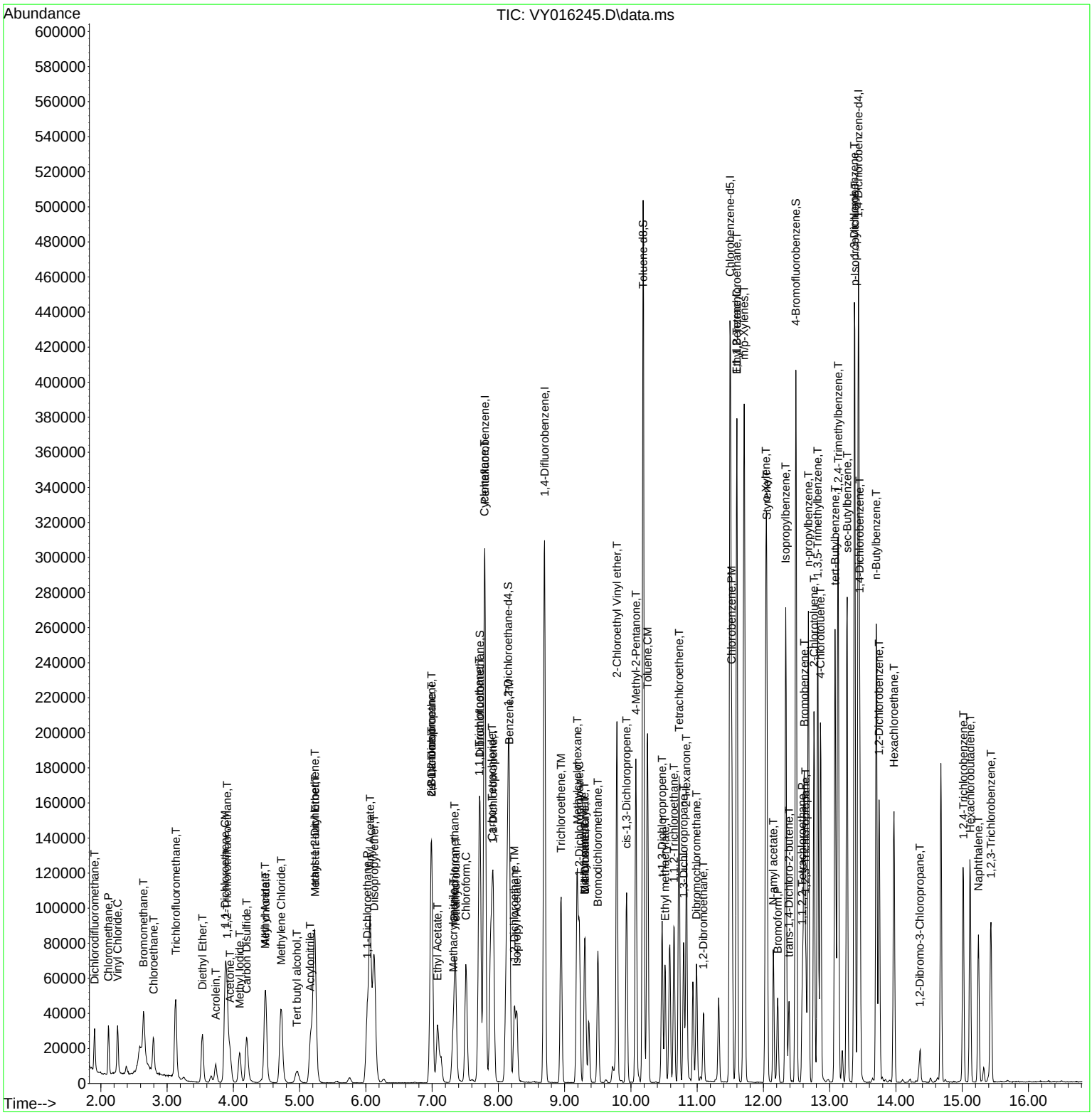
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016245.D
Acq On : 07 Nov 2023 10:08
Operator : SY/MD
Sample : VY1107SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 07 23:42:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023



Raw Data: **VY016246.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	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
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.018		0.0016	0.0050	mg/Kg
74-87-3	Chloromethane	0.017		0.00091	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.019		0.00093	0.0050	mg/Kg
74-83-9	Bromomethane	0.019		0.0012	0.0050	mg/Kg
75-00-3	Chloroethane	0.019		0.00088	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.021		0.0011	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.021		0.00072	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.020		0.00079	0.0050	mg/Kg
67-64-1	Acetone	0.096		0.0094	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.016		0.0022	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.022		0.00065	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.022		0.0016	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.021		0.0061	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.020		0.00073	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.022		0.00072	0.0050	mg/Kg
110-82-7	Cyclohexane	0.019		0.00070	0.0050	mg/Kg
78-93-3	2-Butanone	0.11		0.0073	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.021		0.00078	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.022		0.00064	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.021		0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.022		0.0013	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.021		0.00076	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.018		0.0034	0.0050	mg/Kg
71-43-2	Benzene	0.020		0.00066	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.020		0.00072	0.0050	mg/Kg
79-01-6	Trichloroethene	0.020		0.00066	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.021		0.00059	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.022		0.00070	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.11		0.0045	0.025	mg/Kg
108-88-3	Toluene	0.020		0.00065	0.0050	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.021		0.00077	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.021		0.00074	0.0050	mg/Kg

Raw Data: **VY016246.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	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
VY016246.D	1		11/07/23 10:31	VY110723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
79-00-5	1,1,2-Trichloroethane	0.021		0.00086	0.0050	mg/Kg
591-78-6	2-Hexanone	0.11		0.0053	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.022		0.00085	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.021		0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.019		0.00077	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.020		0.00063	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.020		0.00067	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.040		0.0014	0.010	mg/Kg
95-47-6	o-Xylene	0.020		0.00077	0.0050	mg/Kg
100-42-5	Styrene	0.020		0.00069	0.0050	mg/Kg
75-25-2	Bromoform	0.021		0.00095	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.020		0.00071	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.022		0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.021		0.00068	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.021		0.00060	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.021		0.00060	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.021		0.0012	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.021		0.00061	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.021		0.00063	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (50) - 130 (163)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (39) - 130 (149)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.795			
540-36-3	1,4-Difluorobenzene	264000	8.697			
3114-55-4	Chlorobenzene-d5	230000	11.496			
3855-82-1	1,4-Dichlorobenzene-d4	109000	13.428			

Raw Data: **VY016246.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	VY1107SBSD01	SDG No.:	O5252
Lab Sample ID:	VY1107SBSD01	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
VY016246.D	1		11/07/23 10:31	VY110723

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\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	160601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	263538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	230283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80176	53.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.700%			
35) Dibromofluoromethane	7.728	113	78919	50.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.185	98	316507	50.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.483	95	106755	50.118	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	18351	17.913	ug/l	89
3) Chloromethane	2.119	50	23636	16.664	ug/l	98
4) Vinyl Chloride	2.253	62	27166	18.557	ug/l	96
5) Bromomethane	2.650	94	18458	18.683	ug/l	97
6) Chloroethane	2.796	64	19383	18.807	ug/l	100
7) Trichlorofluoromethane	3.131	101	46494	21.037	ug/l	97
8) Diethyl Ether	3.534	74	15679	21.405	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.906	101	29250	21.008	ug/l	96
10) Methyl Iodide	4.095	142	28775	18.586	ug/l	95
11) Tert butyl alcohol	4.960	59	12725	113.331	ug/l #	78
12) 1,1-Dichloroethene	3.881	96	25157	19.796	ug/l	91
13) Acrolein	3.741	56	12281	114.488	ug/l	99
14) Allyl chloride	4.485	41	39531	21.748	ug/l #	94
15) Acrylonitrile	5.174	53	36151	115.495	ug/l	96
16) Acetone	3.954	43	25754	95.571	ug/l	94
17) Carbon Disulfide	4.204	76	49880	15.722	ug/l	99
18) Methyl Acetate	4.479	43	26911	22.267	ug/l	91
19) Methyl tert-butyl Ether	5.235	73	79471	21.985	ug/l	99
20) Methylene Chloride	4.729	84	35432	21.441	ug/l	88
21) trans-1,2-Dichloroethene	5.228	96	29486	19.919	ug/l	95
22) Diisopropyl ether	6.125	45	97630	22.206	ug/l	92
23) Vinyl Acetate	6.070	43	235986	109.322	ug/l #	93
24) 1,1-Dichloroethane	6.027	63	57056	21.684	ug/l	98
25) 2-Butanone	6.990	43	45782	110.423	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	51887	20.860	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	37654	21.615	ug/l	91
28) Bromochloromethane	7.344	49	20917	21.243	ug/l	89
29) Tetrahydrofuran	7.356	42	29840	114.814	ug/l	90
30) Chloroform	7.515	83	62243	21.727	ug/l	99
31) Cyclohexane	7.795	56	43050	18.635	ug/l #	86
32) 1,1,1-Trichloroethane	7.710	97	55212	21.015	ug/l	98
36) 1,1-Dichloropropene	7.923	75	43928	19.363	ug/l	100
37) Ethyl Acetate	7.082	43	21771	21.545	ug/l	96
38) Carbon Tetrachloride	7.911	117	47928	21.324	ug/l	98
39) Methylcyclohexane	9.191	83	48598	17.946	ug/l	92
40) Benzene	8.167	78	129431	19.872	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.313	41	11857m	20.215	ug/l		
42) 1,2-Dichloroethane	8.246	62	36910	20.307	ug/l		94
43) Isopropyl Acetate	8.277	43	43164	21.595	ug/l	#	92
44) Trichloroethene	8.947	130	37388	19.616	ug/l		96
45) 1,2-Dichloropropane	9.222	63	33192	21.184	ug/l		94
46) Dibromomethane	9.313	93	18567	20.889	ug/l		96
47) Bromodichloromethane	9.502	83	48602	21.522	ug/l		99
48) Methyl methacrylate	9.301	41	17817	19.603	ug/l	#	87
49) 1,4-Dioxane	9.307	88	4273	325.850	ug/l	#	58
51) 4-Methyl-2-Pentanone	10.075	43	111058	111.356	ug/l		91
52) Toluene	10.246	92	84155	19.939	ug/l		95
53) t-1,3-Dichloropropene	10.471	75	47216	20.944	ug/l		98
54) cis-1,3-Dichloropropene	9.935	75	55374	20.933	ug/l		89
55) 1,1,2-Trichloroethane	10.648	97	26629	21.299	ug/l		96
56) Ethyl methacrylate	10.514	69	34744	21.398	ug/l	#	85
57) 1,3-Dichloropropane	10.795	76	44583	20.946	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.789	63	85213	108.228	ug/l		92
59) 2-Hexanone	10.837	43	77155	112.894	ug/l		90
60) Dibromochloromethane	10.990	129	33935	21.635	ug/l		99
61) 1,2-Dibromoethane	11.093	107	24732	20.797	ug/l		98
64) Tetrachloroethene	10.727	164	38162	18.631	ug/l		98
65) Chlorobenzene	11.520	112	92316	20.178	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.593	131	35873	21.169	ug/l		97
67) Ethyl Benzene	11.599	91	164828	20.142	ug/l		99
68) m/p-Xylenes	11.709	106	125647	39.735	ug/l		95
69) o-Xylene	12.032	106	61012	20.208	ug/l		95
70) Styrene	12.050	104	100614	20.046	ug/l		97
71) Bromoform	12.215	173	20044	21.321	ug/l	#	100
73) Isopropylbenzene	12.331	105	166123	20.317	ug/l		99
74) N-amyl acetate	12.148	43	37203	20.938	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.587	83	29087	22.356	ug/l		99
76) 1,2,3-Trichloropropane	12.636	75	21169m	20.623	ug/l		
77) Bromobenzene	12.611	156	38076	20.566	ug/l		95
78) n-propylbenzene	12.672	91	199023	20.588	ug/l		100
79) 2-Chlorotoluene	12.758	91	110412	20.479	ug/l		99
80) 1,3,5-Trimethylbenzene	12.819	105	134131	20.248	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.380	75	9914	20.941	ug/l		94
82) 4-Chlorotoluene	12.855	91	113660	20.530	ug/l		99
83) tert-Butylbenzene	13.081	119	123548	20.844	ug/l		97
84) 1,2,4-Trimethylbenzene	13.123	105	132704	20.245	ug/l		98
85) sec-Butylbenzene	13.258	105	181850	20.904	ug/l		100
86) p-Isopropyltoluene	13.373	119	146572	20.329	ug/l		98
87) 1,3-Dichlorobenzene	13.367	146	76357	20.853	ug/l		100
88) 1,4-Dichlorobenzene	13.447	146	75781	20.940	ug/l		99
89) n-Butylbenzene	13.696	91	139116	20.999	ug/l		96
90) Hexachloroethane	13.965	117	28101	22.617	ug/l		89
91) 1,2-Dichlorobenzene	13.745	146	66985	21.173	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4953	21.271	ug/l		98
93) 1,2,4-Trichlorobenzene	15.013	180	40611	20.798	ug/l		99
94) Hexachlorobutadiene	15.111	225	23548	22.069	ug/l		99
95) Naphthalene	15.239	128	75458	19.892	ug/l		99
96) 1,2,3-Trichlorobenzene	15.428	180	34352	20.594	ug/l		99

Sample Results: **VY016246.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023

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

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

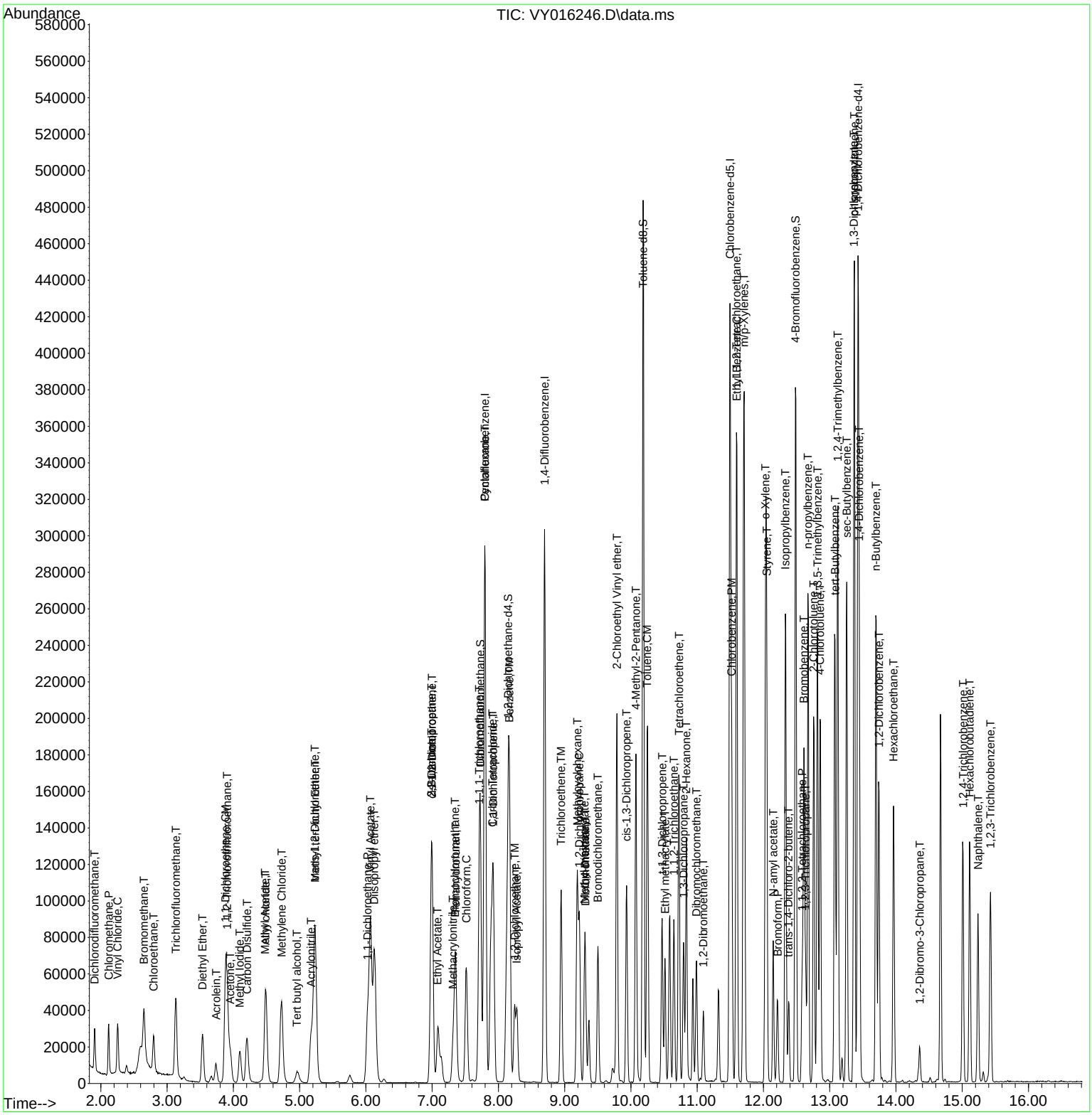
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110723\
Data File : VY016246.D
Acq On : 07 Nov 2023 10:31
Operator : SY/MD
Sample : VY1107SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 07 23:43:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1107SBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/08/2023
Supervised By :Mahesh Dadoda 11/08/2023



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	vy103123	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY016142.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:03:56 AM	MMDadoda	11/1/2023 4:44:48 PM	Peak Integrated by Software
VSTDICC010	VY016143.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:03 AM	MMDadoda	11/1/2023 4:44:50 PM	Peak Integrated by Software
VSTDICC020	VY016144.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:08 AM	MMDadoda	11/1/2023 4:44:51 PM	Peak Integrated by Software
VSTDICCC050	VY016145.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:14 AM	MMDadoda	11/1/2023 4:44:53 PM	Peak Integrated by Software
VSTDICC100	VY016146.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:21 AM	MMDadoda	11/1/2023 4:44:54 PM	Peak Integrated by Software
VSTDICC150	VY016147.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:28 AM	MMDadoda	11/1/2023 4:44:55 PM	Peak Integrated by Software
VSTDICV050	VY016148.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:04:34 AM	MMDadoda	11/1/2023 4:44:57 PM	Peak Integrated by Software
VSTDCCC050	VY016156.D	1,2,3-Trichloropropane	JOHN	11/1/2023 10:05:06 AM	MMDadoda	11/1/2023 4:45:05 PM	Peak Integrated by Software
VSTDCCC050	VY016156.D	Methacrylonitrile	JOHN	11/1/2023 10:05:06 AM	MMDadoda	11/1/2023 4:45:05 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY110723	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY016243.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:33 AM	MMDadoda	11/8/2023 3:22:09 PM	Peak Integrated by Software
VY1107SBS01	VY016245.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:40 AM	MMDadoda	11/8/2023 3:22:11 PM	Peak Integrated by Software
VY1107SBSD01	VY016246.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:45 AM	MMDadoda	11/8/2023 3:22:13 PM	Peak Integrated by Software
VY1107SBSD01	VY016246.D	Methacrylonitrile	JOHN	11/8/2023 11:47:45 AM	MMDadoda	11/8/2023 3:22:13 PM	Peak Integrated by Software
VSTDCCC050	VY016251.D	1,2,3-Trichloropropane	JOHN	11/8/2023 11:47:51 AM	MMDadoda	11/8/2023 3:22:14 PM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103123

Review By	John Carlone	Review On	11/1/2023 10:05:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/1/2023 4:45:21 PM		
SubDirectory	VY103123	HP Acquire Method		HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP123921
Initial Calibration Stds	VP123922,VP123923,VP123924,VP123925,VP123926,VP123927
CCC	VP123940,VP123941,LOD-VP123954,VP123955
Internal Standard/PEM	VP123883
ICV/I.BLK	VP123930
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY016140.D	31 Oct 2023 08:42	SY/MD	Ok
2	VSTDCCC050	VY016141.D	31 Oct 2023 09:54	SY/MD	Not Ok
3	VSTDICC005	VY016142.D	31 Oct 2023 12:26	SY/MD	Ok,M
4	VSTDICC010	VY016143.D	31 Oct 2023 12:49	SY/MD	Ok,M
5	VSTDICC020	VY016144.D	31 Oct 2023 13:12	SY/MD	Ok,M
6	VSTDICCC050	VY016145.D	31 Oct 2023 13:37	SY/MD	Ok,M
7	VSTDICC100	VY016146.D	31 Oct 2023 14:13	SY/MD	Ok,M
8	VSTDICC150	VY016147.D	31 Oct 2023 14:40	SY/MD	Ok,M
9	VSTDICV050	VY016148.D	31 Oct 2023 15:03	SY/MD	Ok,M
10	VY1031SBL01	VY016149.D	31 Oct 2023 16:28	SY/MD	Ok
11	VY1031SBS01	VY016150.D	31 Oct 2023 16:51	SY/MD	Ok,M
12	VY1031SBSD01	VY016151.D	31 Oct 2023 17:13	SY/MD	Ok,M
13	O4699-01 2.5PPB	VY016152.D	31 Oct 2023 17:36	SY/MD	Ok,M
14	O4699-01 4.0PPB	VY016153.D	31 Oct 2023 17:59	SY/MD	Ok,M
15	O5136-01	VY016154.D	31 Oct 2023 18:23	SY/MD	Ok
16	O5107-23	VY016155.D	31 Oct 2023 18:47	SY/MD	Ok
17	VSTDCCC050	VY016156.D	31 Oct 2023 19:32	SY/MD	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110723

Review By	John Carlone	Review On	11/8/2023 11:48:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2023 3:22:06 PM		
SubDirectory	VY110723	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP124090
Initial Calibration Stds	
CCC	VP124091,VP124092
Internal Standard/PEM	VP123883
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY016242.D	07 Nov 2023 08:03	SY/MD	Ok
2	VSTDCCC050	VY016243.D	07 Nov 2023 08:35	SY/MD	Ok,M
3	VY1107SBL01	VY016244.D	07 Nov 2023 09:31	SY/MD	Ok
4	VY1107SBS01	VY016245.D	07 Nov 2023 10:08	SY/MD	Ok,M
5	VY1107SBSD01	VY016246.D	07 Nov 2023 10:31	SY/MD	Ok,M
6	O5252-03	VY016247.D	07 Nov 2023 11:34	SY/MD	Ok
7	BLK	VY016248.D	07 Nov 2023 12:45	SY/MD	Ok
8	O5292-03	VY016249.D	07 Nov 2023 16:41	SY/MD	ReRun
9	O5291-03	VY016250.D	07 Nov 2023 17:04	SY/MD	Ok
10	VSTDCCC050	VY016251.D	07 Nov 2023 17:27	SY/MD	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY103123

Review By	John Carlone	Review On	11/1/2023 10:05:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/1/2023 4:45:21 PM		
SubDirectory	VY103123	HP Acquire Method		HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP123921
Initial Calibration Stds	VP123922,VP123923,VP123924,VP123925,VP123926,VP123927
CCC	VP123940,VP123941,LOD-VP123954,VP123955
Internal Standard/PEM	VP123883
ICV/I.BLK	VP123930
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY016140.D	31 Oct 2023 08:42		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY016141.D	31 Oct 2023 09:54		SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY016142.D	31 Oct 2023 12:26	Good for DOD	SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY016143.D	31 Oct 2023 12:49	LR- 13, 16, 20, 49	SY/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY016144.D	31 Oct 2023 13:12		SY/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY016145.D	31 Oct 2023 13:37		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY016146.D	31 Oct 2023 14:13		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY016147.D	31 Oct 2023 14:40		SY/MD	Ok,M
9	VSTDICV050	ICVVY103123	VY016148.D	31 Oct 2023 15:03		SY/MD	Ok,M
10	VY1031SBL01	VY1031SBL01	VY016149.D	31 Oct 2023 16:28		SY/MD	Ok
11	VY1031SBS01	VY1031SBS01	VY016150.D	31 Oct 2023 16:51		SY/MD	Ok,M
12	VY1031SBSD01	VY1031SBSD01	VY016151.D	31 Oct 2023 17:13		SY/MD	Ok,M
13	O4699-01 2.5PPB	LOD-MDL-SOIL-01-QT	VY016152.D	31 Oct 2023 17:36	LOD-2.5 ppb	SY/MD	Ok,M
14	O4699-01 4.0PPB	LOD-MDL-SOIL-01-QT	VY016153.D	31 Oct 2023 17:59	LOD-4.0 ppb	SY/MD	Ok,M
15	O5136-01	SLUDGE-COMP	VY016154.D	31 Oct 2023 18:23		SY/MD	Ok
16	O5107-23	1047	VY016155.D	31 Oct 2023 18:47		SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY016156.D	31 Oct 2023 19:32		SY/MD	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY110723

Review By	John Carlone	Review On	11/8/2023 11:48:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/8/2023 3:22:06 PM		
SubDirectory	VY110723	HP Acquire Method	MSVOA_Y	HP Processing Method	82y103123s.m

STD. NAME	STD REF.#
Tune/Reschk	VP124090
Initial Calibration Stds	
CCC	VP124091,VP124092
Internal Standard/PEM	VP123883
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY016242.D	07 Nov 2023 08:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY016243.D	07 Nov 2023 08:35		SY/MD	Ok,M
3	VY1107SBL01	VY1107SBL01	VY016244.D	07 Nov 2023 09:31		SY/MD	Ok
4	VY1107SBS01	VY1107SBS01	VY016245.D	07 Nov 2023 10:08		SY/MD	Ok,M
5	VY1107SBSD01	VY1107SBSD01	VY016246.D	07 Nov 2023 10:31		SY/MD	Ok,M
6	O5252-03	WASTE-VOC	VY016247.D	07 Nov 2023 11:34	Vial-B	SY/MD	Ok
7	BLK	BLK	VY016248.D	07 Nov 2023 12:45		SY/MD	Ok
8	O5292-03	CORONA	VY016249.D	07 Nov 2023 16:41	Vial-A Internal standard fail	SY/MD	ReRun
9	O5291-03	QUEEN-PLAZA	VY016250.D	07 Nov 2023 17:04	Vial-A	SY/MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VY016251.D	07 Nov 2023 17:27		SY/MD	Ok,M

M : Manual Integration

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5102-02	67S-SB02-0815	89	1.15	8.58	9.73	7.6	75.2	
O5102-03	67S-SB02-2628	90	1.14	8.64	9.78	6.04	56.7	
O5102-04	67S-SB04-1419	91	1.16	8.74	9.9	7.15	68.5	
O5102-05	67S-SB07-1418	92	1.15	8.81	9.96	7.55	72.6	
O5102-06	67S-SB08-1619	93	1.15	8.81	9.96	9.00	89.1	
O5102-07	67S-SB09-1314.5	94	1.19	8.79	9.98	5.8	52.4	
O5102-08	67S-SB11-1218	95	1.12	8.46	9.58	8.11	82.6	
O5102-09	67S-SB11-1218-D	96	1.19	8.47	9.66	8.02	80.6	
O5102-10	67S-SB14-1216	97	1.11	8.76	9.87	8.07	79.5	
O5102-11	67S-SB16-1617	98	1.17	8.55	9.72	7.46	73.6	
O5102-13	67-IDW-01	99	1.13	8.52	9.65	8.02	80.9	
O5244-01	1A	1	1.14	8.63	9.77	7.54	74.2	
O5244-04	2A	2	1.18	8.48	9.66	8.15	82.2	
O5244-07	3A	3	1.16	8.50	9.66	8.22	83.1	
O5244-10	4A	4	1.19	8.78	9.97	8.58	84.2	
O5244-13	5A	5	1.11	8.47	9.58	8.47	86.9	
O5244-16	6A	6	1.19	8.71	9.9	6.99	66.6	
O5244-19	7A	7	1.19	8.79	9.98	7.01	66.2	
O5245-02	8A	8	1.16	8.48	9.64	6.25	60.0	
O5245-05	9A	9	1.19	8.55	9.74	7.21	70.4	
O5245-08	10A	10	1.13	8.67	9.8	7.04	68.2	
O5245-11	11A	11	1.16	8.68	9.84	7.72	75.6	
O5245-14	12A	12	1.15	8.83	9.98	8.19	79.7	
O5245-17	13A	13	1.14	8.68	9.82	8.6	85.9	
O5245-20	14A	14	1.19	8.79	9.98	8.86	87.3	
O5246-03	15A	15	1.18	8.64	9.82	8.47	84.4	
O5246-06	16A	16	1.13	8.84	9.97	9.00	89.0	
O5246-09	17A	17	1.16	8.80	9.96	8.81	86.9	

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5246-12	18A	18	1.13	8.75	9.88	8.64	85.8	
O5246-15	19A	19	1.18	8.50	9.68	8.56	86.8	
O5246-18	20B	20	1.18	8.78	9.96	7.48	71.8	
O5247-01	21B	21	1.18	8.46	9.64	8.2	83.0	
O5247-04	22B	22	1.18	8.79	9.97	8.7	85.6	
O5247-07	23B	23	1.15	8.80	9.95	8.51	83.6	
O5247-10	24B	24	1.18	8.41	9.59	8.37	85.5	
O5247-13	25B	25	1.14	8.65	9.79	8.84	89.0	
O5247-16	26A	26	1.17	8.57	9.74	8.42	84.6	
O5247-19	27A	27	1.19	8.59	9.78	7.36	71.8	
O5248-02	28A	28	1.19	8.80	9.99	7.44	71.0	
O5248-03	29A	29	1.12	8.71	9.83	8.21	81.4	
O5248-04	30A	30	1.19	8.58	9.77	7.99	79.3	
O5248-05	31A	31	1.15	8.53	9.68	7.61	75.7	
O5248-06	32A	32	1.19	8.73	9.92	7.88	76.6	
O5248-07	33A	33	1.18	8.80	9.98	7.29	69.4	
O5248-08	34A	34	1.19	8.60	9.79	8.26	82.2	
O5248-09	35A	35	1.16	8.58	9.74	7.74	76.7	
O5248-10	DUP-1	36	1.15	8.51	9.66	7.49	74.5	
O5248-13	DUP-4	37	1.16	8.81	9.97	7.83	75.7	
O5248-14	DUP-5	38	1.19	8.55	9.74	8.32	83.4	
O5248-16	DUP-7	39	1.19	8.51	9.7	7.1	69.4	
O5251-01	T-1	40	1.12	8.76	9.88	8.27	81.6	
O5251-02	T-2	41	1.19	8.50	9.69	8.42	85.1	
O5251-03	T-3	42	1.15	8.52	9.67	8.14	82.0	
O5251-04	T-4	43	1.19	8.43	9.62	8.39	85.4	
O5251-05	T-5	44	1.16	8.39	9.55	8.39	86.2	
O5251-06	T-6	45	1.18	8.63	9.81	8.22	81.6	

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5251-07	T-7	46	1.17	8.50	9.67	8.55	86.8	
O5251-08	T-8	47	1.19	8.69	9.88	8.73	86.8	
O5251-09	T-9	48	1.12	8.70	9.82	8.76	87.8	
O5251-10	T-10	49	1.19	8.73	9.92	8.85	87.7	
O5251-11	T-11	50	1.19	8.65	9.84	8.68	86.6	
O5252-01	WASTE	51	1.17	8.60	9.77	8.96	90.6	
O5253-01	L-1(65FT)(5-10)	52	1.18	8.53	9.71	8.35	84.1	
O5253-02	L-6(0-5)	53	1.13	8.53	9.66	8.76	89.4	
O5253-03	L-3(120FT)(0-5)	54	1.15	8.57	9.72	9.00	91.6	
O5253-04	L-3(195FT)(0-5)	55	1.19	8.58	9.77	9.02	91.3	
O5258-01	01-A-01-B-01-C	56	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-02	02-A-02-B-02-C	57	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-03	03-A-03-B-03-C	58	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-04	04-A-04-B-04-C	59	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-05	05-A-05-B-05-C	60	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-06	06-A-06-B-06-C	61	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-07	07-A-07-B-07-C	62	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-08	08-A-08-B-08-C	63	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-09	09-A-09-B-09-C	64	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-10	10-A-10-B-10-C	65	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-11	11-A-11-B-11-C	66	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-12	12-A-12-B-12-C	67	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-13	13-A-14-B-14-C	68	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-14	14-A-14-B-14-C	69	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-15	15-A-15-B-15-C	70	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-16	16-A-16-B-16-C	71	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-17	17-A-17-B-17-C	72	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-18	18-A-18-B-18-C	73	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5258-19	19-A-19-B-19-C	74	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-20	20-A-20-B-20-C	75	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-21	21-A-21-B-21-C	76	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-22	22-A-22-B-22-C	77	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-23	23-A-23-B-23-C	78	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-24	24-A-24-B-24-C	79	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-25	25-A-25-B-25-C	80	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-26	26-A-26-B-26-C	81	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-27	27-A-27-B-27-C	82	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5266-01	1203	83	1.15	8.42	9.57	9.24	96.1	
O5267-01	ETGI-320	86	1.00	1.00	2.00	2.00	100.0	CONCRETE SAMPLE
O5270-01	OR-3-110623	84	1.18	8.80	9.98	9.34	92.7	
O5270-02	OR-3-110623-E2	85	1.13	8.80	9.93	9.01	89.5	
O5272-01	001	87	1.15	8.39	9.54	7.94	80.9	
O5272-02	002	88	1.15	8.39	9.54	7.94	80.9	

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

VB 128195

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5102-02	67S-SB02-0815	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-03	67S-SB02-2628	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-04	67S-SB04-1419	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-05	67S-SB07-1418	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-06	67S-SB08-1619	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-07	67S-SB09-1314.5	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-08	67S-SB11-1218	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-09	67S-SB11-1218-D	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/24/2023	Chemtech -SO
O5102-10	67S-SB14-1216	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/24/2023	Chemtech -SO
O5102-11	67S-SB16-1617	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/24/2023	Chemtech -SO
O5244-01	1A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-04	2A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-07	3A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-10	4A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-13	5A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-16	6A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-19	7A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-02	8A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-05	9A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-08	10A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-11	11A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO

Date/Time 11.06.23 15:30

Raw Sample Received by: JR (WC)

Raw Sample Relinquished by:

Date/Time 11.06.23 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JR (WC)

WORKLIST(Hardcopy Internal Chain)

VB 128195

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5245-14	12A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-17	13A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-20	14A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-03	15A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-06	16A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-09	17A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-12	18A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-15	19A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-18	20B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5247-01	21B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5247-04	22B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-07	23B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-10	24B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-13	25B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-16	26A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-19	27A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5248-02	28A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5248-03	29A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-04	30A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-05	31A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-06	32A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO

Date/Time 11-06-23 15:30

Raw Sample Received by: JP (WC)

Raw Sample Relinquished by:

Date/Time 11-06-23 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JP (WC)

WORKLIST(Hardcopy Internal Chain)

VB128195

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5248-07	33A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-08	34A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-09	35A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-10	DUP-1	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-13	DUP-4	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-14	DUP-5	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-16	DUP-7	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5251-01	T-1	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5251-02	T-2	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-03	T-3	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-04	T-4	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-05	T-5	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-06	T-6	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-07	T-7	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-08	T-8	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-09	T-9	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-10	T-10	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-11	T-11	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5252-01	WASTE	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5253-01	L-1(65FT)(5-10)	Solid	Percent Solids	Cool 4 deg C	RMJE02	I31	11/03/2023	Chemtech -SO
O5253-02	L-6(0-5)	Solid	Percent Solids	Cool 4 deg C	GEIC06	L21	11/02/2023	Chemtech -SO
					GEIC06	L21	11/03/2023	Chemtech -SO

Date/Time 11-06-23 15:30

Raw Sample Received by: JP (WC)

Raw Sample Relinquished by:

Date/Time 11-06-23 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JP (WC)

NB128195

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5253-03	L-3(120FT)(0-5)	Solid	Percent Solids	Cool 4 deg C	GEIC06	L21	11/03/2023	Chemtech -SO
O5253-04	L-3(195FT)(0-5)	Solid	Percent Solids	Cool 4 deg C	GEIC06	L21	11/03/2023	Chemtech -SO
O5258-01	01-A-01-B-01-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-02	02-A-02-B-02-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-03	03-A-03-B-03-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-04	04-A-04-B-04-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-05	05-A-05-B-05-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-06	06-A-06-B-06-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-07	07-A-07-B-07-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-08	08-A-08-B-08-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-09	09-A-09-B-09-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-10	10-A-10-B-10-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-11	11-A-11-B-11-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-12	12-A-12-B-12-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-13	13-A-14-B-14-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-14	14-A-14-B-14-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-15	15-A-15-B-15-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-16	16-A-16-B-16-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-17	17-A-17-B-17-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-18	18-A-18-B-18-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-19	19-A-19-B-19-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO

Date/Time 11.06.23 15:30

Raw Sample Received by: JD (CWC)

Raw Sample Relinquished by: CP Sm

Date/Time 11.06.23 17:30

Raw Sample Received by: CP Sm

Raw Sample Relinquished by: JD (CWC)

NB128195

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5258-20	20-A-20-B-20-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-21	21-A-21-B-21-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-22	22-A-22-B-22-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-23	23-A-23-B-23-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-24	24-A-24-B-24-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-25	25-A-25-B-25-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-26	26-A-26-B-26-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-27	27-A-27-B-27-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5266-01	1203	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	11/06/2023	Chemtech -SO
O5267-01	ETGI-320	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/06/2023	Chemtech -SO
O5270-01	OR-3-110623	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	11/06/2023	Chemtech -SO
O5270-02	OR-3-110623-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	11/06/2023	Chemtech -SO
O5272-01	001	Solid	Percent Solids	Cool 4 deg C	CONS03	I41	11/02/2023	Chemtech -SO
O5272-02	002	Solid	Percent Solids	Cool 4 deg C	CONS03	I41	11/02/2023	Chemtech -SO

Date/Time 11.06.23 15:30

Raw Sample Received by: JD (CEC)

Raw Sample Relinquished by: CR SM

Date/Time 11.06.23 17:30

Raw Sample Received by: CR SM

Raw Sample Relinquished by: JD (CEC)

CHEMTECH

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.
QUOTE NO. 05252
COC Number 2042541

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RMJ
ADDRESS: PO Box 719
CITY Totowa STATE: NJ ZIP: 07511
ATTENTION: Jonathan Pereira
PHONE: 5512719485 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 245 Greenwood
PROJECT NO.: LOCATION: Midland Park
PROJECT MANAGER: Jonathan Pereira
e-mail:
PHONE: 9736330020 FAX: 9736330019

CLIENT BILLING INFORMATION

BILL TO: RMJ PO#:
ADDRESS: PO Box 719
CITY Totowa STATE: NJ ZIP: 07511
ATTENTION: Rita Della Fave PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 EPH
2 TAL/TCL + 30
3 Paint Filter
4 TCLP Metals
5 VOC
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
												A					← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	Waste	Soil	X		11/3/23	1120	2	X	X	X	H						H = Hold
2.	Waste - VOC	↓		X	11/3/23	1126	3					X					
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jpereira	11/3/23 1402	1. IT
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
Comments: Hold TCLP Metal Analysis

Page ____ of ____

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

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-23-16

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : O5252 RMJE02
Client Name : RMJ Environomics, Inc.
Client Contact : Jonathan Pereira
Invoice Name : RMJ Environomics, Inc.
Invoice Contact : Jonathan Pereira

Order Date : 11/3/2023 2:14:16 PM
Project Name : 245 Greenwood Ave
Receive DateTime : 11/3/2023 2:02:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 11/6/2023 9:49:22 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
O5252-03	WASTE-VOC	Solid	11/03/2023	11:26					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : DW
Date / Time : 11/6/23 1030

Received By : Sam
Date / Time : 11/6/23 10:30 aej#6 R22
Storage Area : VOA Refridgerator Room