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

Order ID : P4892

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
P4892-01	WB-310-TOP
P4892-02	WB-310-BOT
P4892-03	WB-310-BOT
P4892-04	WB-310-SW

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: 11/29/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4892**

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

QA Review Signature: **KETAN PATEL** **Date:** **11/29/2024**

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LAB CHRONICLE

OrderID:	P4892	**OrderDate:**	11/18/2024 8:10:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	M11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4892-01	**WB-310-TOP**	**SOIL**			**11/15/24**			**11/15/24**
			VOC-TCLVOA-10	8260D			11/21/24	
P4892-02	**WB-310-BOT**	**SOIL**			**11/15/24**			**11/15/24**
			VOC-TCLVOA-10	8260D			11/22/24	
P4892-03	**WB-310-BOT**	**TCLP**			**11/15/24**			**11/15/24**
			TCLP VOA	8260D			11/21/24	
P4892-04	**WB-310-SW**	**Water**			**11/15/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/20/24	

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Hit Summary Sheet
SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WB-310-TOP**								
P4892-01	WB-310-TOP	SOIL	Acetone		110		7.10	28.3	ug/Kg
P4892-01	WB-310-TOP	SOIL	Carbon Disulfide		7.20		1.40	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	2-Butanone		40.3		6.40	28.3	ug/Kg
P4892-01	WB-310-TOP	SOIL	Methylcyclohexane		14.3		0.98	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Benzene		22.6		0.81	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Toluene		1.90	J	0.76	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Chlorobenzene		1.70	J	0.84	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Ethyl Benzene		1.20	J	0.70	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	m/p-Xylenes		11.5		1.50	11.3	ug/Kg
P4892-01	WB-310-TOP	SOIL	o-Xylene		17.2		0.79	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Isopropylbenzene		1.50	J	0.76	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,3-Dichlorobenzene		5.90		0.84	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,4-Dichlorobenzene		6.10		0.91	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,2-Dichlorobenzene		2.10	J	0.67	5.70	ug/Kg
			Total Voc :		244				
P4892-01	WB-310-TOP	SOIL	unknown12.127	*	46.4	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	unknown12.164	*	59.6	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	unknown12.499	*	53.2	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	unknown12.658	*	77.6	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Pentane, 2,2,4-trimethyl-	*	30.0	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Benzene, (1-methyl-1-propenyl	*	28.0	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Cyclohexane, 1,2,4-trimethyl-	*	52.7	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Naphthalene, decahydro-2-metl	*	53.1	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Nonane, 3-methyl-	*	44.6	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Decane, 3-methyl-	*	35.0	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	n-propylbenzene	*	1.50	J	0.72	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,3,5-Trimethylbenzene	*	6.50	J	0.72	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,2,4-Trimethylbenzene	*	10.7	J	1.60	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	sec-Butylbenzene	*	1.40	J	0.76	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	p-Isopropyltoluene	*	2.80	J	0.66	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	n-Butylbenzene	*	1.60	J	0.71	5.70	ug/Kg
			Total Tics :		505				
			Total Concentration:		748				
Client ID:	**WB-310-SW**								
P4892-04	WB-310-SW	Water	m/p-Xylenes		0.39	J	0.31	2.00	ug/L
			Total Voc :		0.39				

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Hit Summary Sheet
SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4892-04	WB-310-SW	Water	Acetic acid	* 7.60	J	0	0	ug/L
P4892-04	WB-310-SW	Water	1,2,4-Trimethylbenzene	* 0.52	J	0.18	1.00	ug/L
			Total Tics :	8.12				
			Total Concentration:	8.51				

QC SUMMARY

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

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4892-01	WB-310-TOP	1,2-Dichloroethane-d4	50	61.0	122	70 (50)	130 (163)
		Dibromofluoromethane	50	50.7	101	70 (54)	130 (147)
		Toluene-d8	50	49.0	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	58.9	118	70 (29)	130 (146)
P4892-02	WB-310-BOT	1,2-Dichloroethane-d4	50	46.7	93	70 (50)	130 (163)
		Dibromofluoromethane	50	47.8	96	70 (54)	130 (147)
		Toluene-d8	50	47.3	95	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.9	92	70 (29)	130 (146)
VY1121SBL01	VY1121SBL01	1,2-Dichloroethane-d4	50	51.9	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.5	97	70 (54)	130 (147)
		Toluene-d8	50	48.2	96	70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.3	95	70 (29)	130 (146)
VY1121SBS01	VY1121SBS01	1,2-Dichloroethane-d4	50	46.0	92	70 (50)	130 (163)
		Dibromofluoromethane	50	43.7	87	70 (54)	130 (147)
		Toluene-d8	50	43.4	87	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.0	90	70 (29)	130 (146)
VY1121SBSD01	VY1121SBSD01	1,2-Dichloroethane-d4	50	56.3	113	70 (50)	130 (163)
		Dibromofluoromethane	50	53.0	106	70 (54)	130 (147)
		Toluene-d8	50	52.8	106	70 (58)	130 (134)
		4-Bromofluorobenzene	50	55.2	110	70 (29)	130 (146)
VY1122SBL01	VY1122SBL01	1,2-Dichloroethane-d4	50	47.6	95	70 (50)	130 (163)
		Dibromofluoromethane	50	48.4	97	70 (54)	130 (147)
		Toluene-d8	50	47.6	95	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.3	91	70 (29)	130 (146)
VY1122SBS02	VY1122SBS02	1,2-Dichloroethane-d4	50	53.1	106	70 (50)	130 (163)
		Dibromofluoromethane	50	53.2	106	70 (54)	130 (147)
		Toluene-d8	50	52.9	106	70 (58)	130 (134)
		4-Bromofluorobenzene	50	54.6	109	70 (29)	130 (146)

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Surrogate Summary

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4892-04	WB-310-SW	1,2-Dichloroethane-d4	50	53.0	106	70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95	70 (75)	130 (124)
		Toluene-d8	50	45.9	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	41.7	83	70 (77)	130 (121)
VN1120WBL01	VN1120WBL01	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	46.1	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93	70 (77)	130 (121)
VN1120WBS02	VN1120WBS02	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97	70 (75)	130 (124)
		Toluene-d8	50	44.9	90	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)
VN1120WBSD0	VN1120WBSD02	1,2-Dichloroethane-d4	50	51.7	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101	70 (75)	130 (124)
		Toluene-d8	50	47.2	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	Dichlorodifluoromethane	20	20.6	ug/L	103			40 (69)	160 (116)	
	Chloromethane	20	17.8	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	19.3	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	20.1	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	19.2	ug/L	96			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.8	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	17.8	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			70 (78)	130 (114)	
	Methyl Acetate	20	19.7	ug/L	99			70 (67)	130 (125)	
	Methylene Chloride	20	20.2	ug/L	101			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	18.8	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	120	ug/L	120			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.8	ug/L	104			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	21.8	ug/L	109			70 (70)	130 (124)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Methylcyclohexane	20	20.6	ug/L	103			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	19.6	ug/L	98			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.7	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	20.2	ug/L	101			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	130	ug/L	130			40 (74)	160 (118)	
	Toluene	20	20.7	ug/L	104			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			70 (83)	130 (112)	
	2-Hexanone	100	130	ug/L	130			40 (73)	160 (117)	
	Dibromochloromethane	20	21.5	ug/L	108			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.3	ug/L	106			70 (81)	130 (110)	
	Tetrachloroethene	20	19.7	ug/L	99			70 (67)	130 (123)	
	Chlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	39.3	ug/L	98			70 (82)	130 (110)	
	o-Xylene	20	20.7	ug/L	104			70 (83)	130 (109)	
	Styrene	20	20.2	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	20.0	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	19.3	ug/L	97			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1120WBS02	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	16.0	ug/L	80			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.5	ug/L	83			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084982.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1120WBSD02	Dichlorodifluoromethane	20	19.7	ug/L	99	4		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.6	ug/L	83	7		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.9	ug/L	95	2		70 (65)	130 (117)	20 (20)
	Bromomethane	20	19.2	ug/L	96	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.5	ug/L	93	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.5	ug/L	98	1		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93	5		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	17.9	ug/L	90	5		70 (74)	130 (110)	20 (20)
	Acetone	100	110	ug/L	110	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.6	ug/L	83	7		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.1	ug/L	96	13		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.7	ug/L	94	5		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.0	ug/L	95	6		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	4		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.0	ug/L	95	4		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	17.9	ug/L	90	4		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	9		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.5	ug/L	98	6		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	18.2	ug/L	91	10		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	20.2	ug/L	101	8		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.4	ug/L	97	6		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.5	ug/L	98	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.7	ug/L	89	15		70 (72)	130 (115)	20 (20)
	Benzene	20	17.9	ug/L	90	10		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.0	ug/L	95	12		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.3	ug/L	86	13		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	18.5	ug/L	93	11		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.3	ug/L	92	9		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	17		40 (74)	160 (118)	20 (20)
	Toluene	20	18.5	ug/L	93	11		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	16.9	ug/L	85	13		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	17.7	ug/L	89	13		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.2	ug/L	96	14		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	17		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	19.0	ug/L	95	13		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	18.0	ug/L	90	16		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.0	ug/L	90	10		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	17.8	ug/L	89	9		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	18.1	ug/L	91	7		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	36.6	ug/L	92	6		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.1	ug/L	96	8		70 (83)	130 (109)	20 (20)
	Styrene	20	17.9	ug/L	90	12		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.0	ug/L	95	5		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	17.2	ug/L	86	12		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	17.8	ug/L	89	14		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	15.0	ug/L	75	16		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	16.1	ug/L	81	11		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	15.8	ug/L	79	13		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084982.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual		Limits Low	Limits High	Limits RPD
VN1120WBSD02	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88	16			40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	13.0	ug/L	65	21	*	*	70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	13.2	ug/L	66	23	*	*	70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020375.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1121SBS01	Dichlorodifluoromethane	20	22.3	ug/Kg	112			40 (64)	160 (136)	
	Chloromethane	20	14.3	ug/Kg	72			40 (70)	160 (130)	
	Vinyl chloride	20	15.8	ug/Kg	79			70 (72)	130 (129)	
	Bromomethane	20	17.3	ug/Kg	86			40 (58)	160 (141)	
	Chloroethane	20	17.0	ug/Kg	85			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/Kg	92			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.3	ug/Kg	92			70 (79)	130 (121)	
	Acetone	100	93.9	ug/Kg	94			40 (60)	160 (131)	
	Carbon disulfide	20	17.3	ug/Kg	86			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	18.1	ug/Kg	91			70 (69)	130 (149)	
	Methylene Chloride	20	19.0	ug/Kg	95			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.9	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	20	18.5	ug/Kg	93			70 (82)	130 (123)	
	Cyclohexane	20	18.7	ug/Kg	94			70 (76)	130 (122)	
	2-Butanone	100	99.8	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95			70 (82)	130 (123)	
	Bromochloromethane	20	18.1	ug/Kg	91			70 (80)	130 (127)	
	Chloroform	20	19.0	ug/Kg	95			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.6	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	Bromodichloromethane	20	19.9	ug/Kg	100			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	99.7	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.0	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	19.8	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	18.7	ug/Kg	94			70 (80)	130 (125)	
	Tetrachloroethene	20	18.6	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	18.6	ug/Kg	93			70 (84)	130 (122)	
	Ethyl Benzene	20	19.0	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	40	39.2	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.5	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	20.7	ug/Kg	104			70 (75)	130 (127)	
	Isopropylbenzene	20	18.4	ug/Kg	92			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.8	ug/Kg	89			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.4	ug/Kg	92			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.6	ug/Kg	93			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020375.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1121SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	17.9	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.6	ug/Kg	88			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020376.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1121SBSD01	Dichlorodifluoromethane	20	23.8	ug/Kg	119	6		40 (64)	160 (136)	30 (20)
	Chloromethane	20	14.9	ug/Kg	75	4		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	16.8	ug/Kg	84	6		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.1	ug/Kg	96	11		40 (58)	160 (141)	30 (20)
	Chloroethane	20	17.8	ug/Kg	89	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.1	ug/Kg	106	7		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/Kg	97	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.8	ug/Kg	99	7		70 (79)	130 (121)	30 (20)
	Acetone	100	95.5	ug/Kg	96	2		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.9	ug/Kg	95	10		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105	8		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.0	ug/Kg	95	4		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.4	ug/Kg	102	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98	9		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.8	ug/Kg	99	6		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.4	ug/Kg	97	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	10		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	23.2	ug/Kg	116	9		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104	9		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	17.9	ug/Kg	90	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.8	ug/Kg	104	9		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.8	ug/Kg	109	8		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.4	ug/Kg	102	8		70 (77)	130 (123)	30 (20)
	Benzene	20	21.9	ug/Kg	110	12		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	23.1	ug/Kg	116	11		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.1	ug/Kg	106	9		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.1	ug/Kg	106	10		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.6	ug/Kg	108	8		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		40 (70)	160 (135)	30 (20)
	Toluene	20	21.8	ug/Kg	109	12		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.1	ug/Kg	106	10		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.0	ug/Kg	110	10		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	9		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	22.4	ug/Kg	112	12		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.9	ug/Kg	104	10		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.9	ug/Kg	104	11		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.9	ug/Kg	104	11		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	21.1	ug/Kg	106	11		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.8	ug/Kg	107	9		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.5	ug/Kg	108	10		70 (83)	130 (123)	30 (20)
	Styrene	20	22.1	ug/Kg	111	11		70 (82)	130 (124)	30 (20)
	Bromoform	20	22.2	ug/Kg	111	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.4	ug/Kg	102	10		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	8		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100	12		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	11		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	11		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020376.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1121SBSD01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101	10		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	11		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97	10		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020404.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1122SBS02	Dichlorodifluoromethane	20	25.3	ug/Kg	127			40 (64)	160 (136)	
	Chloromethane	20	15.7	ug/Kg	79			40 (70)	160 (130)	
	Vinyl chloride	20	17.6	ug/Kg	88			70 (72)	130 (129)	
	Bromomethane	20	20.3	ug/Kg	102			40 (58)	160 (141)	
	Chloroethane	20	18.1	ug/Kg	91			40 (69)	160 (130)	
	Trichlorofluoromethane	20	22.8	ug/Kg	114			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			70 (79)	130 (121)	
	Acetone	100	95.0	ug/Kg	95			40 (60)	160 (131)	
	Carbon disulfide	20	19.5	ug/Kg	98			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103			70 (77)	130 (129)	
	Methyl Acetate	20	17.9	ug/Kg	90			70 (69)	130 (149)	
	Methylene Chloride	20	20.5	ug/Kg	103			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	20	20.6	ug/Kg	103			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	24.8	ug/Kg	124			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.5	ug/Kg	108			70 (82)	130 (123)	
	Bromochloromethane	20	18.3	ug/Kg	92			70 (80)	130 (127)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	22.9	ug/Kg	115			70 (80)	130 (126)	
	Methylcyclohexane	20	22.6	ug/Kg	113			70 (77)	130 (123)	
	Benzene	20	22.5	ug/Kg	113			70 (84)	130 (121)	
	1,2-Dichloroethane	20	22.7	ug/Kg	114			70 (81)	130 (126)	
	Trichloroethene	20	22.8	ug/Kg	114			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.9	ug/Kg	110			70 (83)	130 (122)	
	Bromodichloromethane	20	22.1	ug/Kg	111			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	22.5	ug/Kg	113			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	22.2	ug/Kg	111			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	22.6	ug/Kg	113			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.2	ug/Kg	106			70 (80)	130 (125)	
	Tetrachloroethene	20	22.8	ug/Kg	114			70 (83)	130 (125)	
	Chlorobenzene	20	22.3	ug/Kg	112			70 (84)	130 (122)	
	Ethyl Benzene	20	22.6	ug/Kg	113			70 (82)	130 (124)	
	m/p-Xylenes	40	45.5	ug/Kg	114			70 (83)	130 (124)	
	o-Xylene	20	22.6	ug/Kg	113			70 (83)	130 (123)	
	Styrene	20	23.0	ug/Kg	115			70 (82)	130 (124)	
	Bromoform	20	23.6	ug/Kg	118			70 (75)	130 (127)	
	Isopropylbenzene	20	22.9	ug/Kg	115			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.6	ug/Kg	108			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	22.6	ug/Kg	113			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	22.3	ug/Kg	112			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020404.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1122SBS02	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	21.3	ug/Kg	106			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103			70 (70)	130 (137)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1120WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084962.D Lab Sample ID: VN1120WBL01

Date Analyzed: 11/20/2024 Time Analyzed: 12:21

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024
VN1120WBSD02	VN1120WBSD02	VN084982.D	11/20/2024
WB-310-SW	P4892-04	VN084984.D	11/20/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1121SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020374.D Lab Sample ID: VY1121SBL01

Date Analyzed: 11/21/2024 Time Analyzed: 09:59

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
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024
VY1121SBSD01	VY1121SBSD01	VY020376.D	11/21/2024
WB-310-TOP	P4892-01	VY020395.D	11/21/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1122SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020402.D Lab Sample ID: VY1122SBL01

Date Analyzed: 11/22/2024 Time Analyzed: 10:15

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
VY1122SBS02	VY1122SBS02	VY020404.D	11/22/2024
WB-310-BOT	P4892-02	VY020406.D	11/22/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084959.D BFB Injection Date: 11/20/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:51

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.8 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084960.D	11/20/2024	11:18
VN1120WBL01	VN1120WBL01	VN084962.D	11/20/2024	12:21
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024	13:20
VN1120WBSD02	VN1120WBSD02	VN084982.D	11/20/2024	20:34
WB-310-SW	P4892-04	VN084984.D	11/20/2024	21:22

Raw Data: **VY020337.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020337.D BFB Injection Date: 11/19/2024

Instrument ID: MSVOA_Y BFB Injection Time: 14:40

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	21.7
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.4 (7.8) 1
176	95.0 - 101.0% of mass 174	79 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 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	VY020338.D	11/19/2024	15:49
VSTDICC010	VSTDICC010	VY020339.D	11/19/2024	16:12
VSTDICC020	VSTDICC020	VY020340.D	11/19/2024	16:35
VSTDICCC050	VSTDICCC050	VY020341.D	11/19/2024	16:57
VSTDICC100	VSTDICC100	VY020342.D	11/19/2024	17:20
VSTDICC150	VSTDICC150	VY020343.D	11/19/2024	17:42

Raw Data: **VY020372.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020372.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:32

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	21.5
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020373.D	11/21/2024	09:25
VY1121SBL01	VY1121SBL01	VY020374.D	11/21/2024	09:59
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024	10:39
VY1121SBSD01	VY1121SBSD01	VY020376.D	11/21/2024	11:02
WB-310-TOP	P4892-01	VY020395.D	11/21/2024	18:27

Raw Data: **VY020400.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020400.D BFB Injection Date: 11/22/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:56

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	20
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	72.5 (98.3) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020401.D	11/22/2024	09:40
VY1122SBL01	VY1122SBL01	VY020402.D	11/22/2024	10:15
VY1122SBS02	VY1122SBS02	VY020404.D	11/22/2024	11:04
WB-310-BOT	P4892-02	VY020406.D	11/22/2024	12:01

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	164992	8.22	271316	9.10	240365	11.87
UPPER LIMIT	329984	8.724	542632	9.6	480730	12.365
LOWER LIMIT	82496	7.724	135658	8.6	120183	11.365
EPA SAMPLE NO.						
WB-310-SW	166877	8.22	307613	9.10	262227	11.87
VN1120WBL01	178908	8.22	319489	9.10	277659	11.87
VN1120WBS02	150630	8.22	253557	9.10	229692	11.87
VN1120WBSD02	152907	8.22	266547	9.10	231842	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020373.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:25

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	191018	7.71	313957	8.62	263957	11.42
UPPER LIMIT	382036	8.213	627914	9.122	527914	11.92
LOWER LIMIT	95509	7.213	156979	8.122	131979	10.92
EPA SAMPLE NO.						
WB-310-TOP	144486	7.71	282070	8.62	273380	11.41
VY1121SBL01	139506	7.71	270751	8.62	245370	11.42
VY1121SBS01	180247	7.71	303523	8.62	255135	11.42
VY1121SBSD01	168644	7.71	280583	8.62	238249	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020401.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:40

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	199094	7.72	315114	8.63	255079	11.43
UPPER LIMIT	398188	8.219	630228	9.128	510158	11.926
LOWER LIMIT	99547	7.219	157557	8.128	127540	10.926
EPA SAMPLE NO.						
WB-310-BOT	149521	7.71	283533	8.62	251330	11.42
VY1122SBL01	161234	7.72	306842	8.62	269008	11.43
VY1122SBS02	182116	7.72	298132	8.62	246608	11.42

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

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

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

SAMPLE DATA

Raw Data: **VY020395.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	59.8
Sample Wt/Vol:	7.39 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
VY020395.D	1		11/21/24 18:27	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.88	U	0.88	5.70	ug/Kg
67-64-1	Acetone	110		7.10	28.3	ug/Kg
75-15-0	Carbon Disulfide	7.20		1.40	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.70	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.70	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.71	U	0.71	5.70	ug/Kg
110-82-7	Cyclohexane	0.78	U	0.78	5.70	ug/Kg
78-93-3	2-Butanone	40.3		6.40	28.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U	0.98	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.69	U	0.69	5.70	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.70	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	5.70	ug/Kg
108-87-2	Methylcyclohexane	14.3		0.98	5.70	ug/Kg
71-43-2	Benzene	22.6		0.81	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	5.70	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.90	U	4.90	28.3	ug/Kg
108-88-3	Toluene	1.90	J	0.76	5.70	ug/Kg

Raw Data: **VY020395.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	59.8
Sample Wt/Vol:	7.39 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
VY020395.D	1		11/21/24 18:27	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.64	U	0.64	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.95	U	0.95	5.70	ug/Kg
591-78-6	2-Hexanone	5.40	U	5.40	28.3	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.89	U	0.89	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.70	ug/Kg
108-90-7	Chlorobenzene	1.70	J	0.84	5.70	ug/Kg
100-41-4	Ethyl Benzene	1.20	J	0.70	5.70	ug/Kg
179601-23-1	m/p-Xylenes	11.5		1.50	11.3	ug/Kg
95-47-6	o-Xylene	17.2		0.79	5.70	ug/Kg
100-42-5	Styrene	0.68	U	0.68	5.70	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.70	ug/Kg
98-82-8	Isopropylbenzene	1.50	J	0.76	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.90		0.84	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.10		0.91	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	J	0.67	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.89	U	0.89	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.88	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.0		70 (50) - 130 (163)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.9		70 (29) - 130 (146)	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	7.713			
540-36-3	1,4-Difluorobenzene	282000	8.616			
3114-55-4	Chlorobenzene-d5	273000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020395.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	59.8
Sample Wt/Vol:	7.39 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
VY020395.D	1		11/21/24 18:27	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000540-84-1	Pentane, 2,2,4-trimethyl-	30.0	J		8.25	ug/Kg
005911-04-6	Nonane, 3-methyl-	44.6	J		12.0	ug/Kg
	unknown12.127	46.4	J		12.1	ug/Kg
	unknown12.164	59.6	J		12.2	ug/Kg
	unknown12.499	53.2	J		12.5	ug/Kg
103-65-1	n-propylbenzene	1.50	J		12.6	ug/Kg
	unknown12.658	77.6	J		12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.50	J		12.7	ug/Kg
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	52.7	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	10.7	J		13.0	ug/Kg
013151-34-3	Decane, 3-methyl-	35.0	J		13.1	ug/Kg
135-98-8	sec-Butylbenzene	1.40	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	2.80	J		13.3	ug/Kg
104-51-8	n-Butylbenzene	1.60	J		13.6	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	53.1	J		14.2	ug/Kg
000767-99-7	Benzene, (1-methyl-1-propenyl)-, (	28.0	J		14.6	ug/Kg

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Time: Nov 22 02:44:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	144486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	282070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	273380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	113213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101220	60.977	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.960%			
35) Dibromofluoromethane	7.634	113	91753	50.728	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.460%			
50) Toluene-d8	10.109	98	348748	48.948	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.900%			
62) 4-Bromofluorobenzene	12.408	95	134960	58.924	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 117.840%			
Target Compounds						Qvalue
16) Acetone	3.873	43	40045	100.630	ug/l	99
17) Carbon Disulfide	4.110	76	33718	6.350	ug/l	99
25) 2-Butanone	6.903	43	18255	35.633	ug/l	95
39) Methylcyclohexane	9.103	83	43848	12.682	ug/l	89
40) Benzene	8.079	78	161482	19.946	ug/l	99
52) Toluene	10.170	92	8356	1.689	ug/l	99
65) Chlorobenzene	11.438	112	9046	1.484	ug/l	95
67) Ethyl Benzene	11.518	91	12363	1.099	ug/l	98
68) m/p-Xylenes	11.627	106	41068	10.139	ug/l	94
69) o-Xylene	11.957	106	58317	15.179	ug/l	97
73) Isopropylbenzene	12.255	105	12934	1.349	ug/l	99
78) n-propylbenzene	12.597	91	14898	1.294	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	44208	5.704	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	72471	9.431	ug/l	99
85) sec-Butylbenzene	13.176	105	13719	1.272	ug/l #	58
86) p-Isopropyltoluene	13.292	119	20601	2.471	ug/l	93
87) 1,3-Dichlorobenzene	13.292	146	21351	5.255	ug/l #	35
88) 1,4-Dichlorobenzene	13.371	146	20934	5.393	ug/l #	32
89) n-Butylbenzene	13.621	91	11336	1.420	ug/l #	80
91) 1,2-Dichlorobenzene	13.664	146	6405	1.892	ug/l #	19

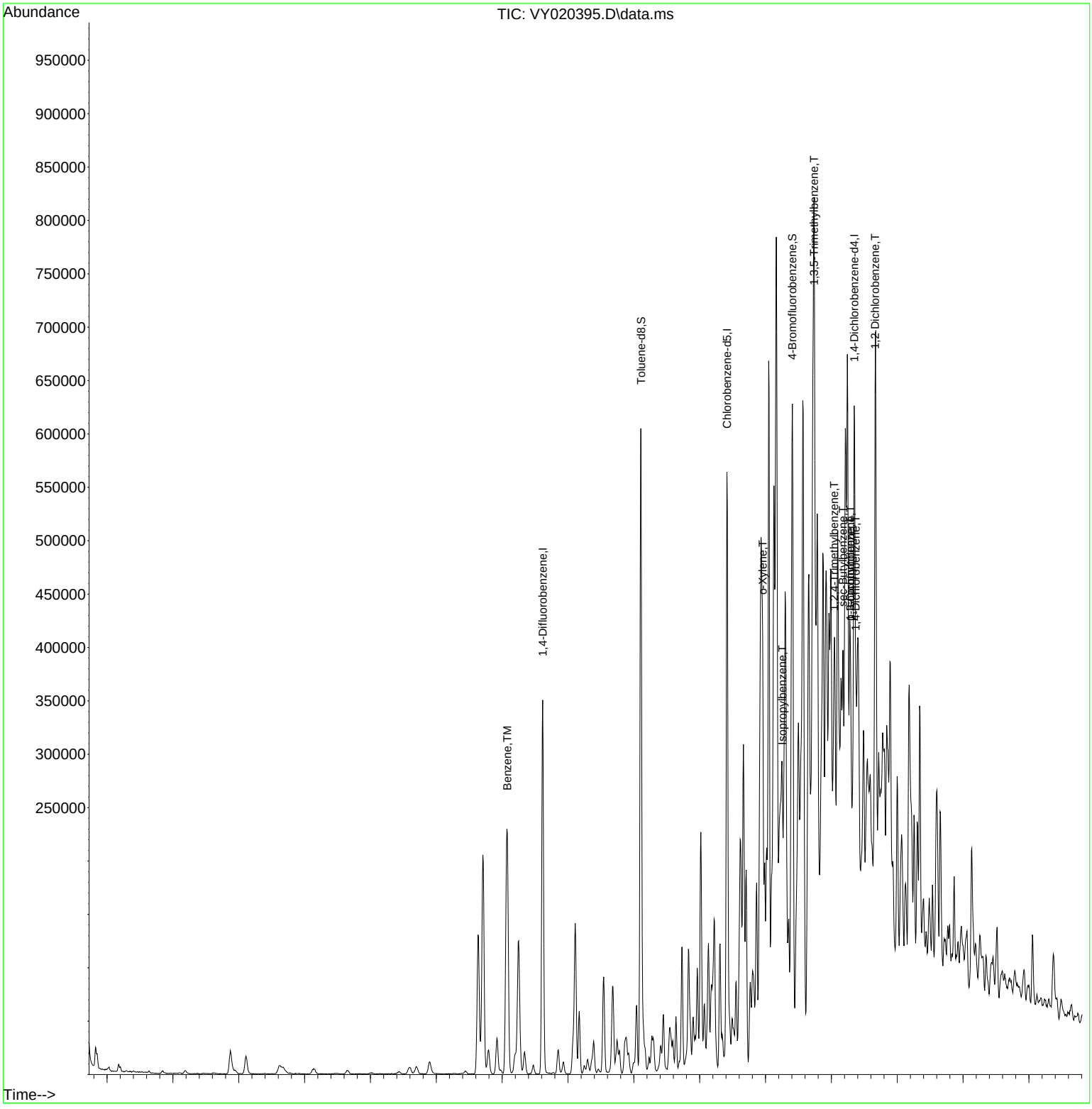
(#) = qualifier out of range (m) = manual integration (+) = signals summed

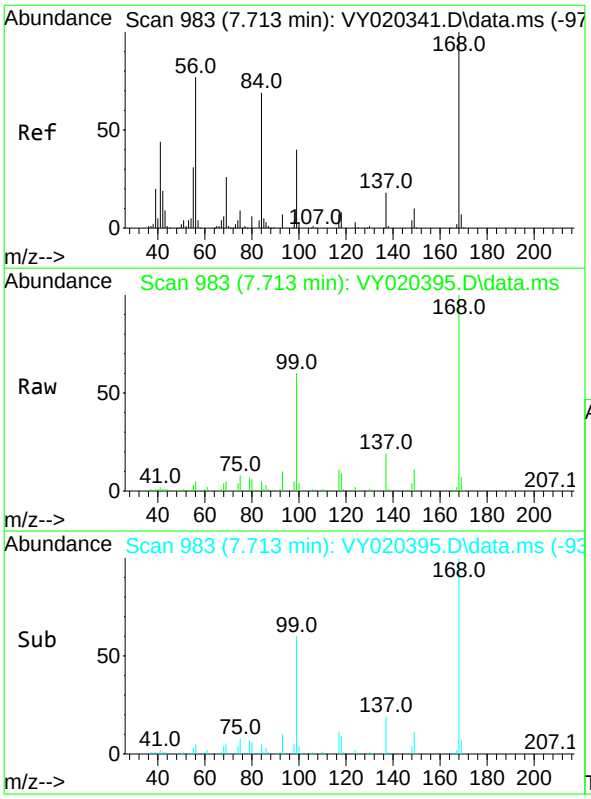
Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Time: Nov 22 02:44:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



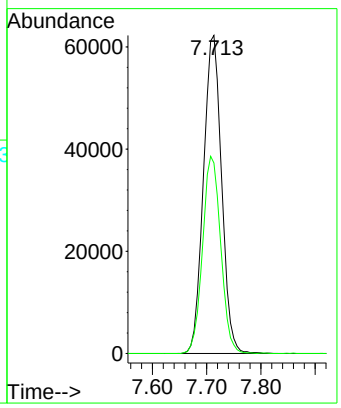


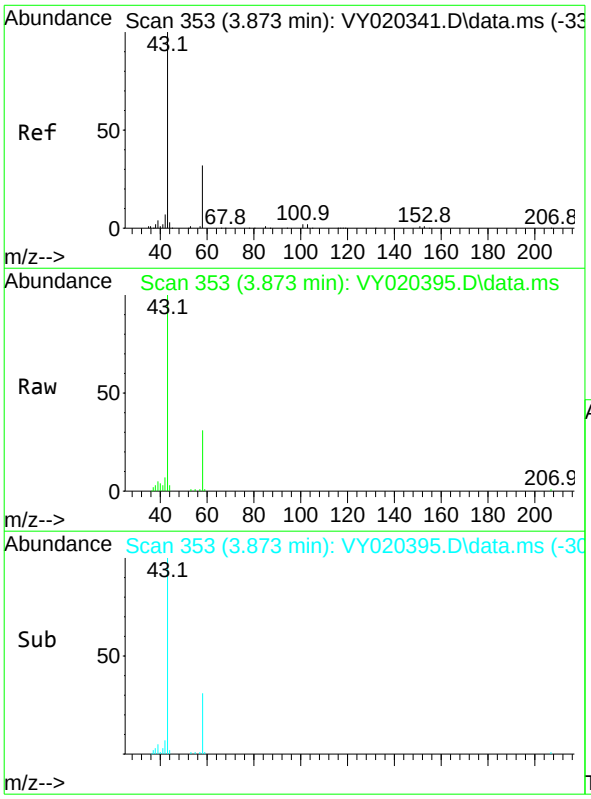
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:168 Resp: 144486

Ion	Ratio	Lower	Upper
168	100		
99	59.9	46.6	69.8

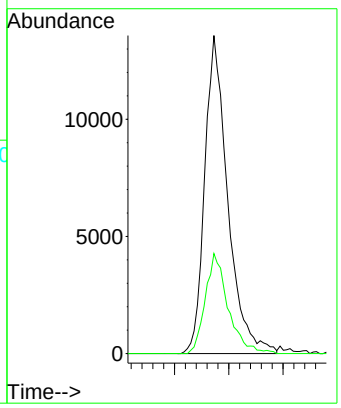


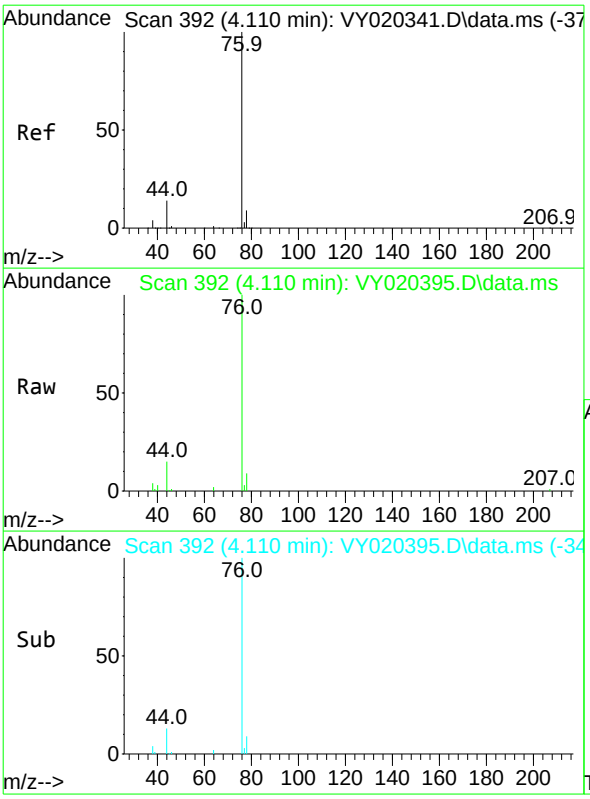


#16
Acetone
Concen: 100.630 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 43 Resp: 40045

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.7	38.5



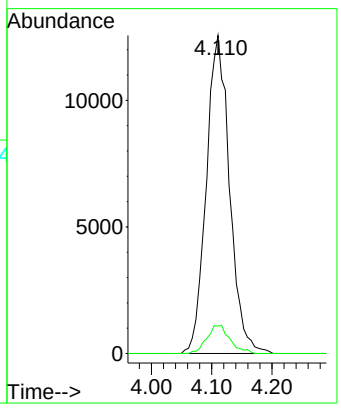


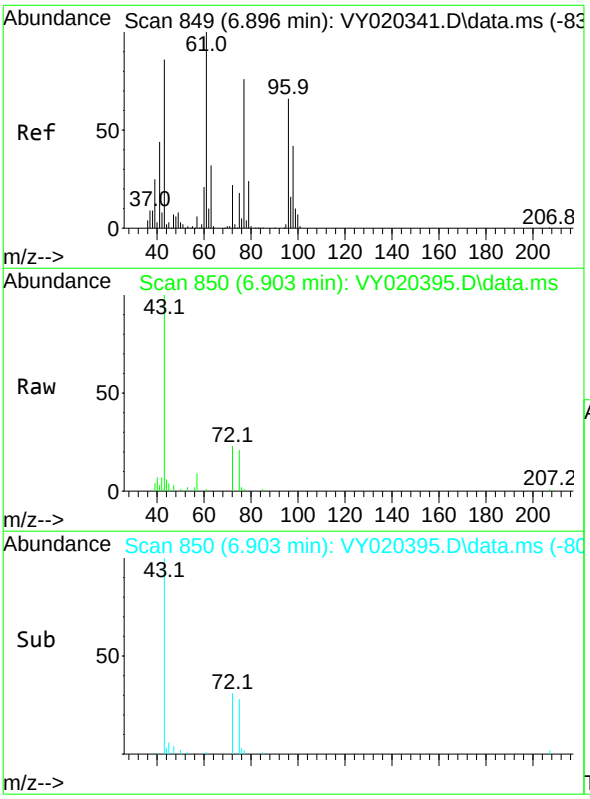
#17
Carbon Disulfide
Concen: 6.350 ug/l
RT: 4.110 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 76 Resp: 33718

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

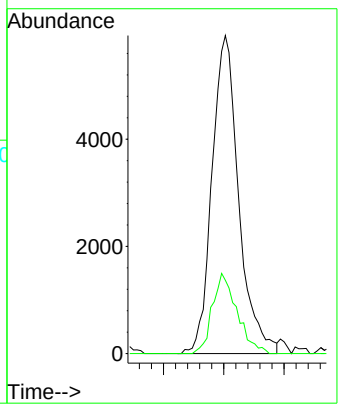


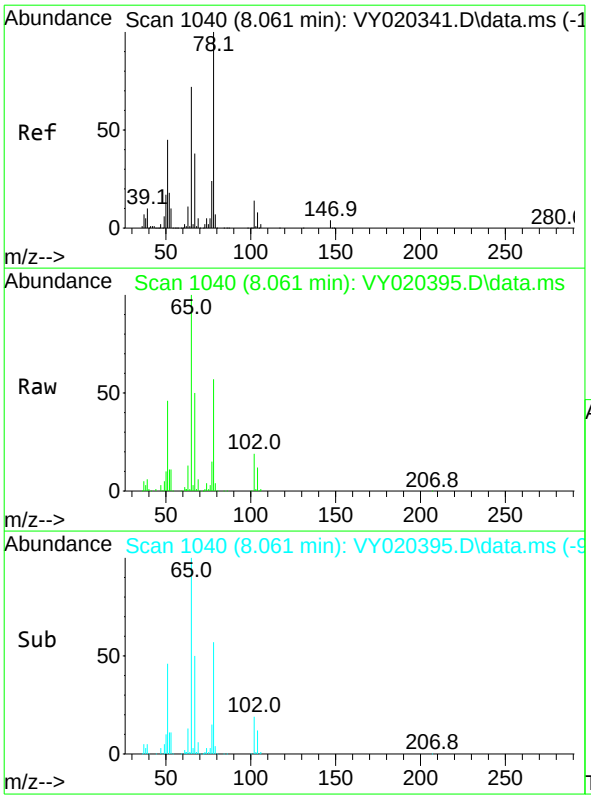


#25
2-Butanone
Concen: 35.633 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 43 Resp: 18255

Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.4	30.6



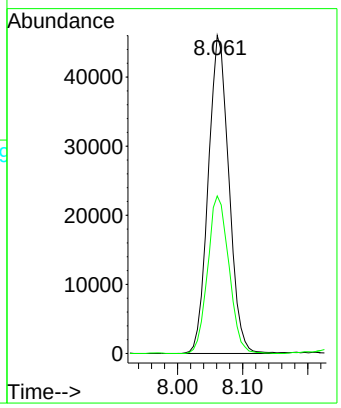


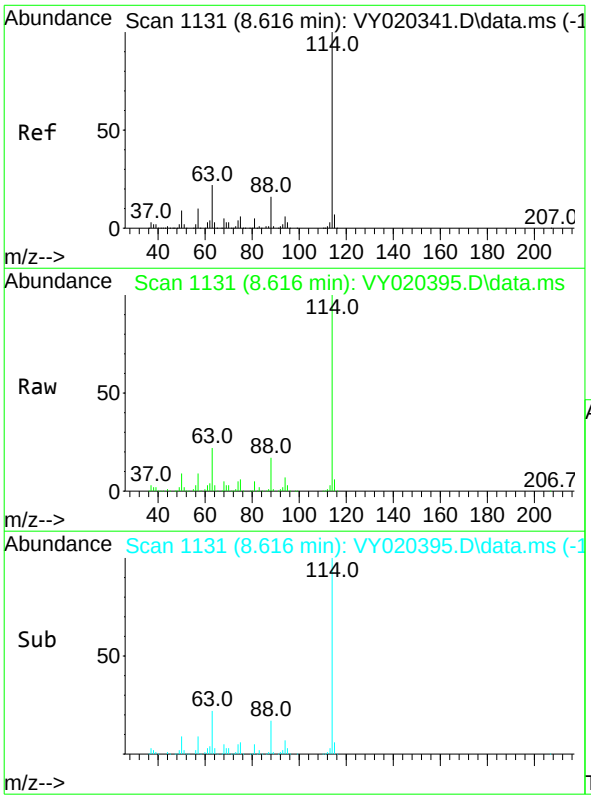
#33
1,2-Dichloroethane-d4
Concen: 60.977 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 65 Resp: 101220

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	105.8

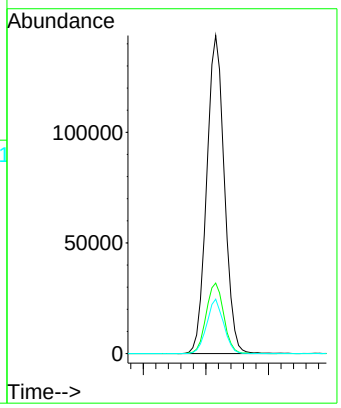


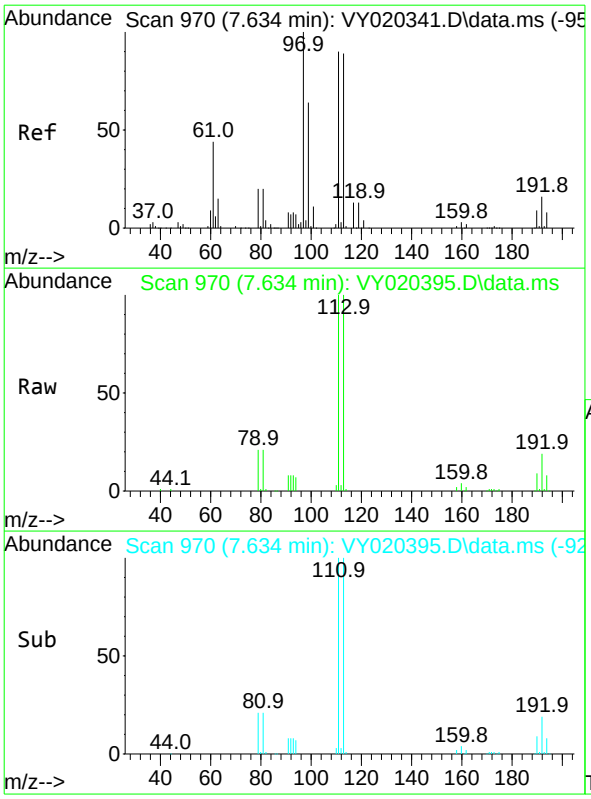


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:114 Resp: 282070

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.8
88	17.1	0.0	32.0



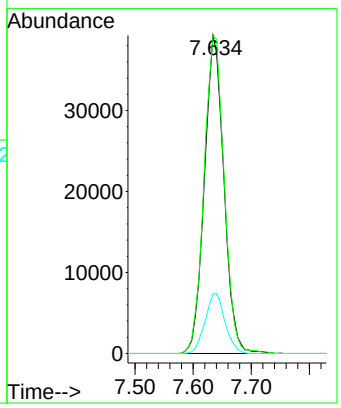


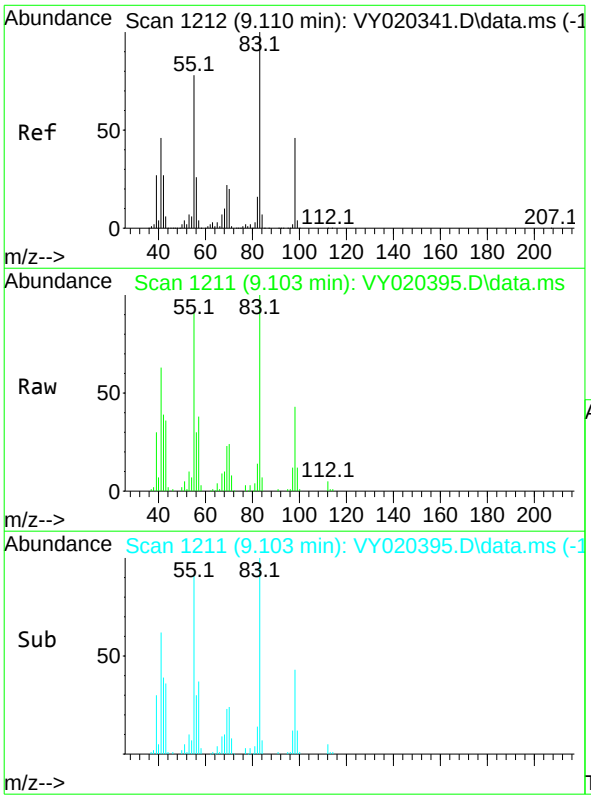
#35
Dibromofluoromethane
Concen: 50.728 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:113 Resp: 91753

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	19.2	15.1	22.7

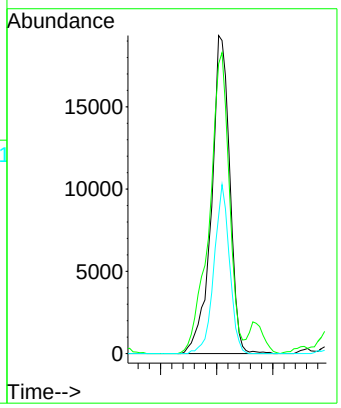


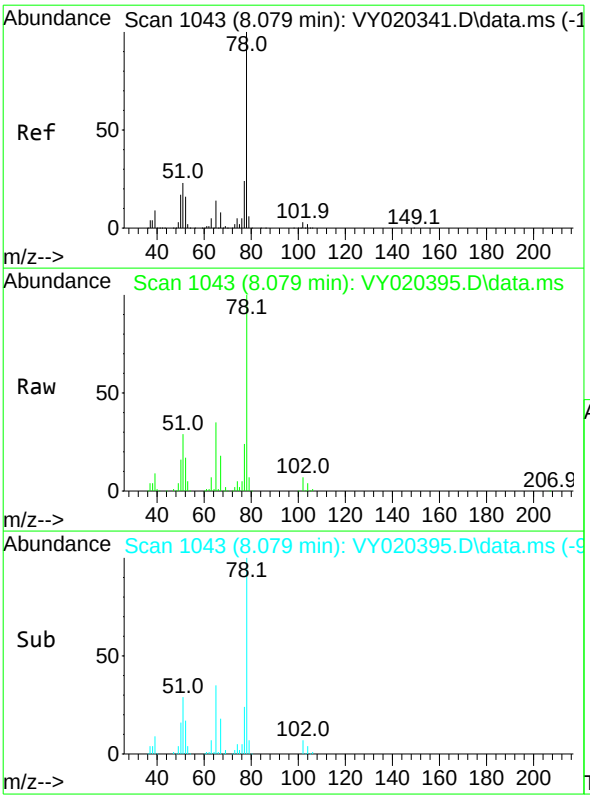


#39
Methylcyclohexane
Concen: 12.682 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 83 Resp: 43848

Ion	Ratio	Lower	Upper
83	100		
55	91.1	62.6	93.8
98	43.3	37.0	55.4



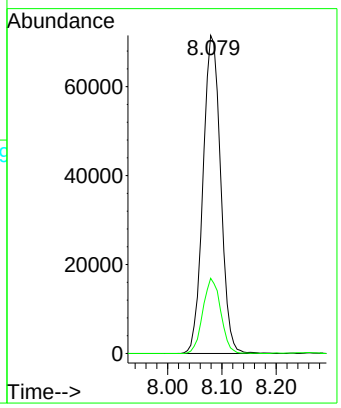


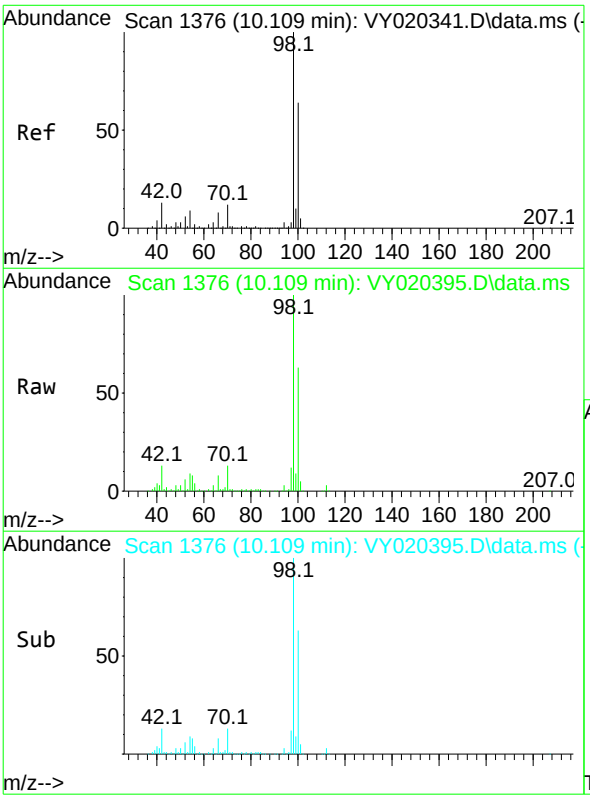
#40
Benzene
Concen: 19.946 ug/l
RT: 8.079 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 78 Resp: 161482

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0

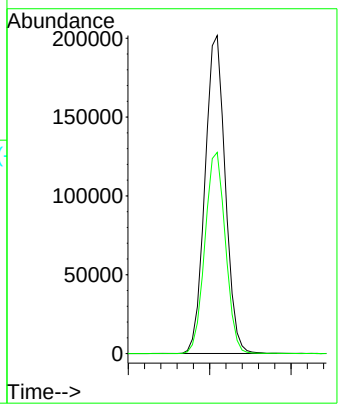


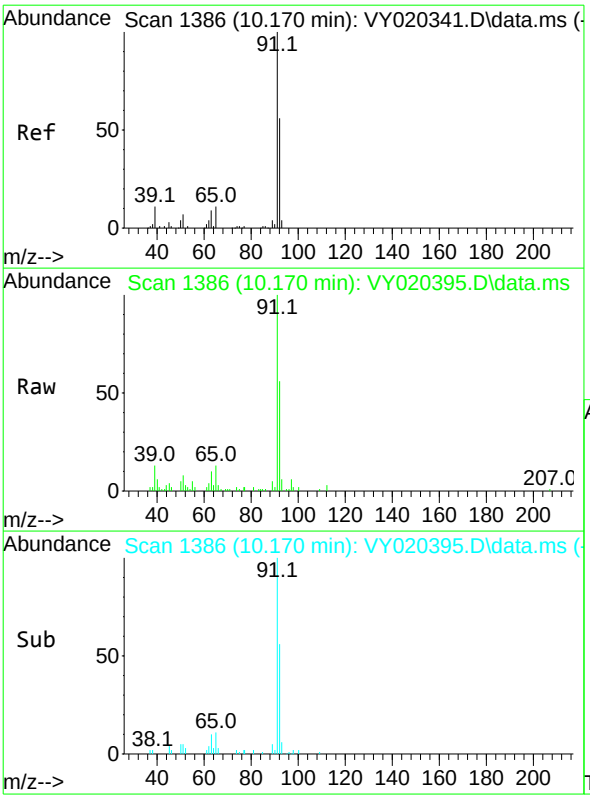


#50
Toluene-d8
Concen: 48.948 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 98 Resp: 348748

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9



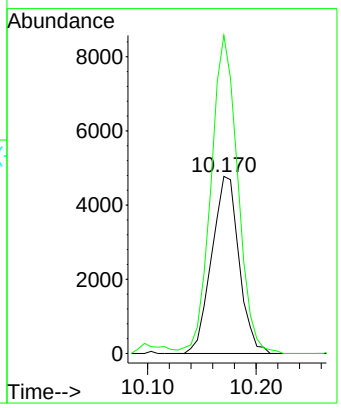


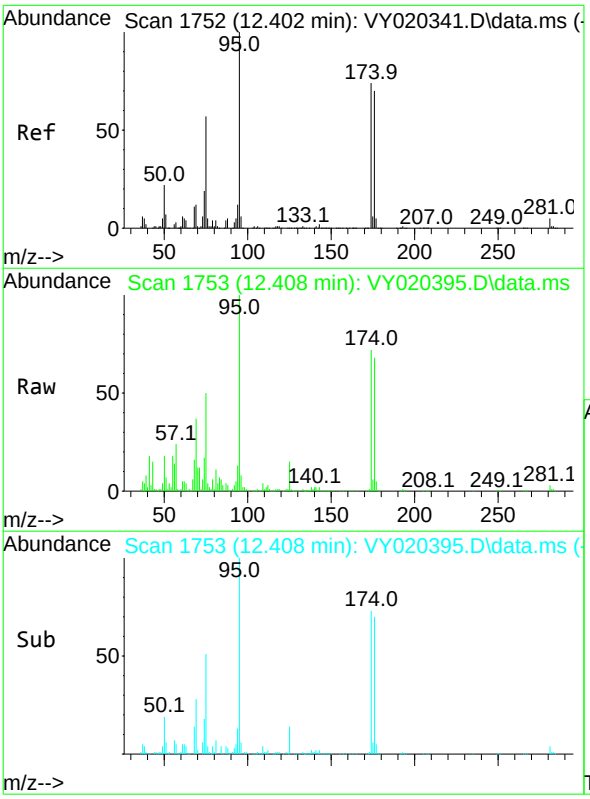
#52
Toluene
Concen: 1.689 ug/l
RT: 10.170 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 92 Resp: 8356

Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.7	209.5

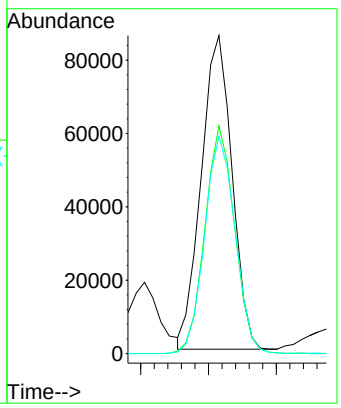


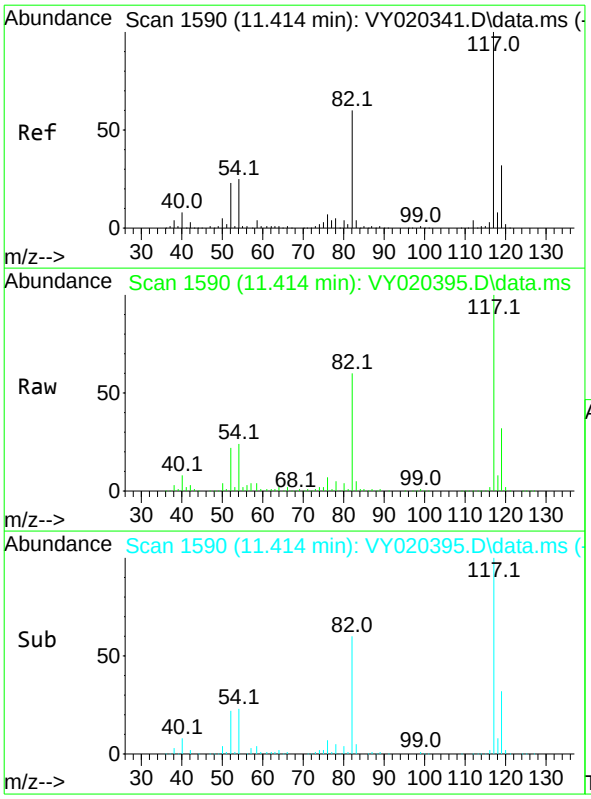


#62
4-Bromofluorobenzene
Concen: 58.924 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 95 Resp: 134960

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	156.8
176	68.6	0.0	152.0



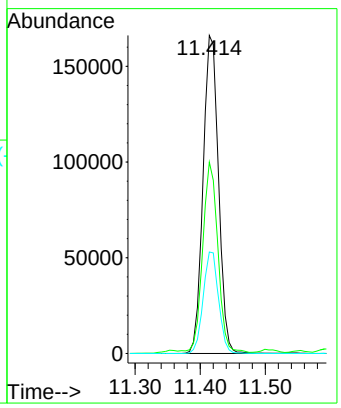


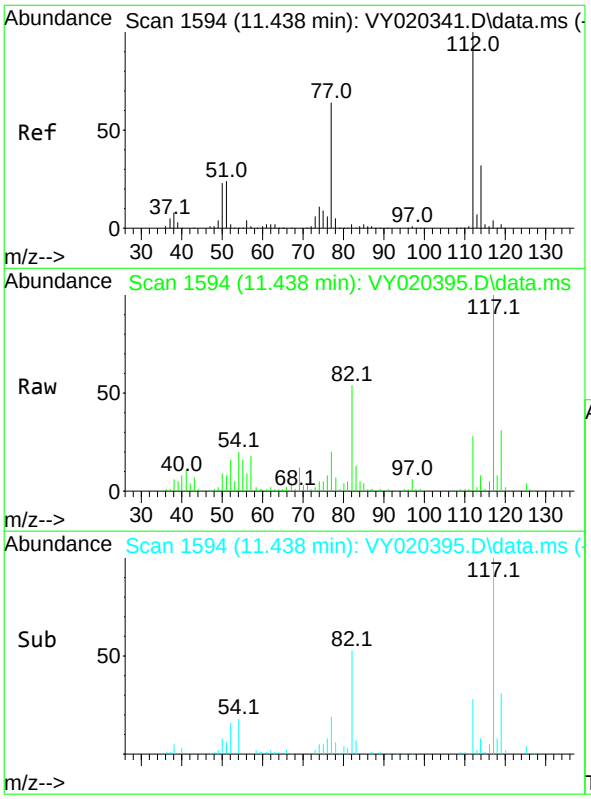
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:117 Resp: 273380

Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.2	72.4
119	31.9	25.8	38.8

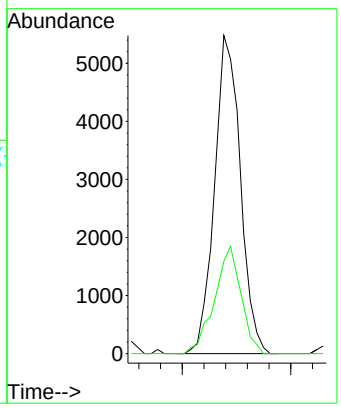


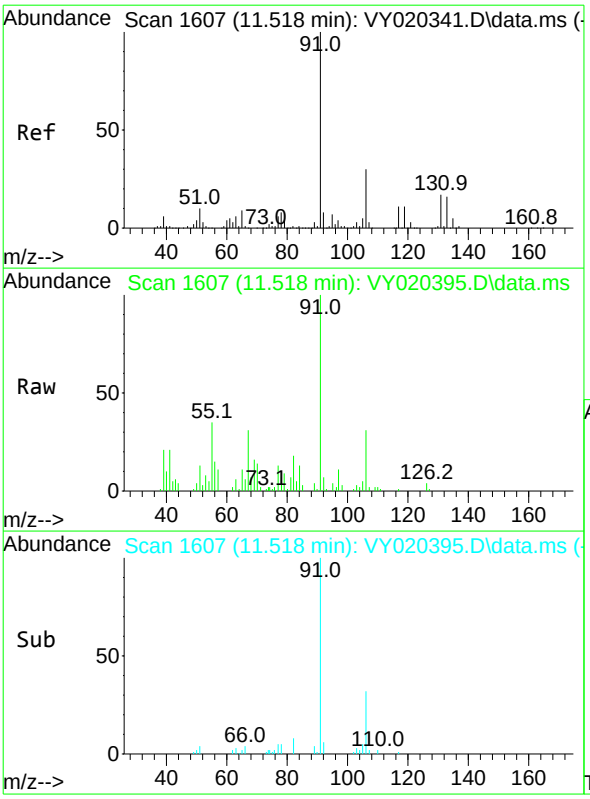


#65
Chlorobenzene
Concen: 1.484 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:112 Resp: 9046

Ion	Ratio	Lower	Upper
112	100		
114	29.0	25.7	38.5



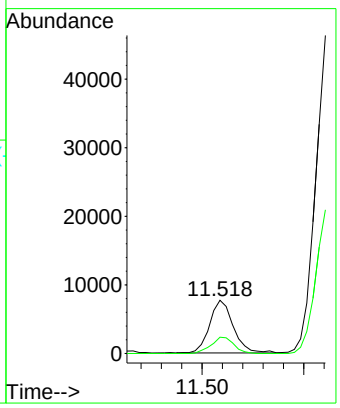


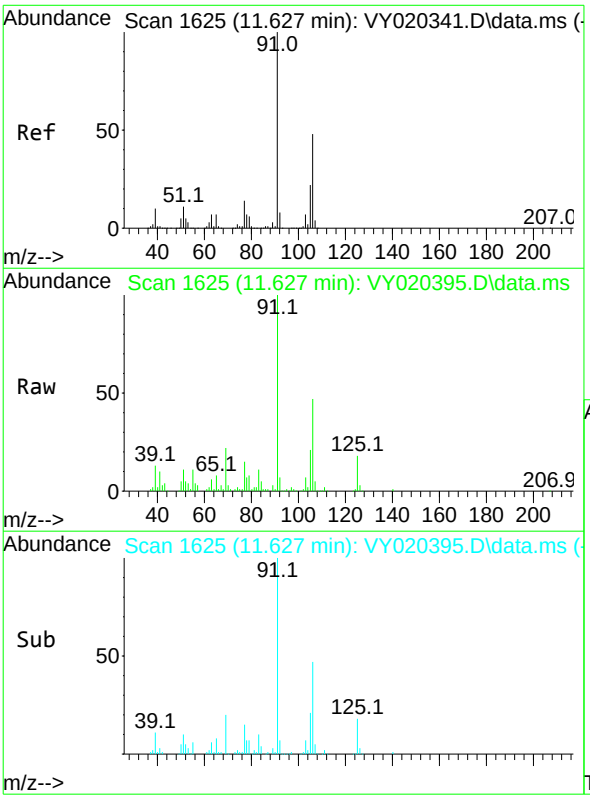
#67
Ethyl Benzene
Concen: 1.099 ug/l
RT: 11.518 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 91 Resp: 12363

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.9	35.9

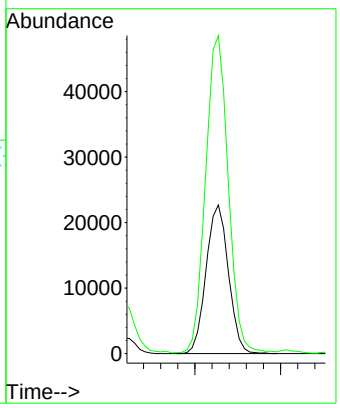


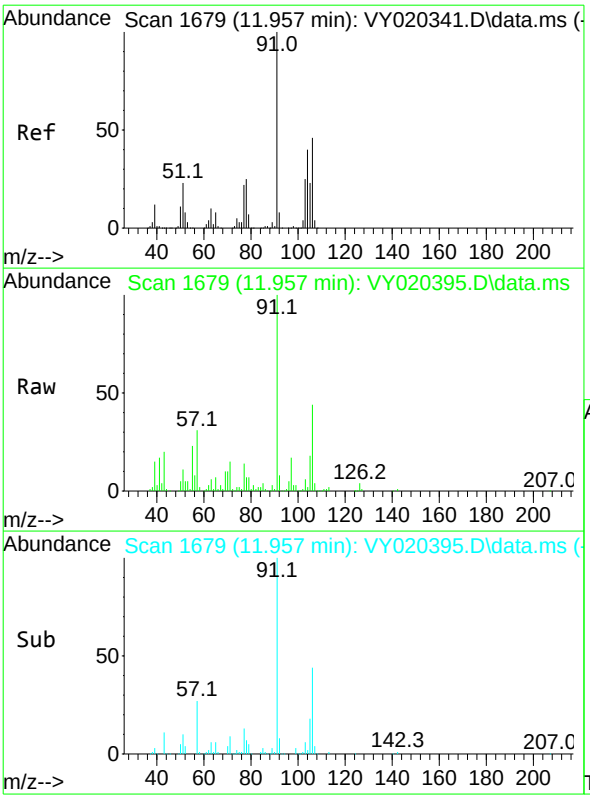


#68
m/p-Xylenes
Concen: 10.139 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:106 Resp: 41068

Ion	Ratio	Lower	Upper
106	100		
91	216.3	166.0	249.0



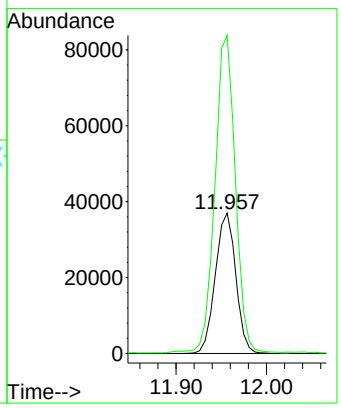


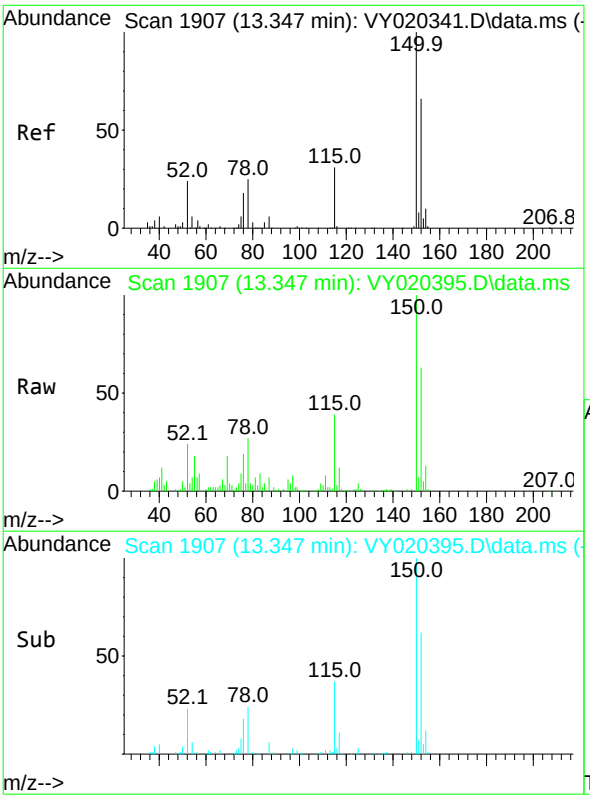
#69
o-Xylene
Concen: 15.179 ug/l
RT: 11.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:106 Resp: 58317

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.0	330.0

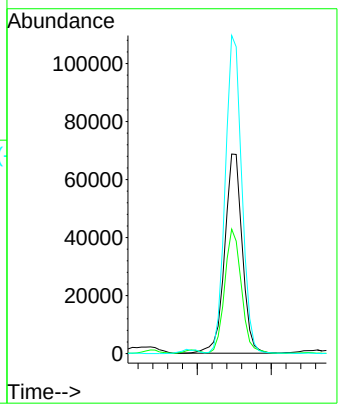


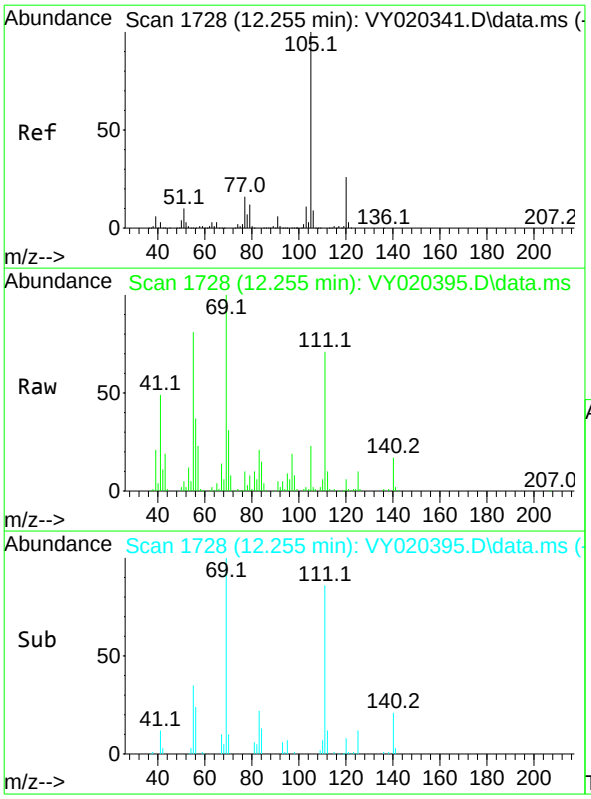


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:152 Resp: 113213

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.0	90.0
150	149.9	0.0	348.2



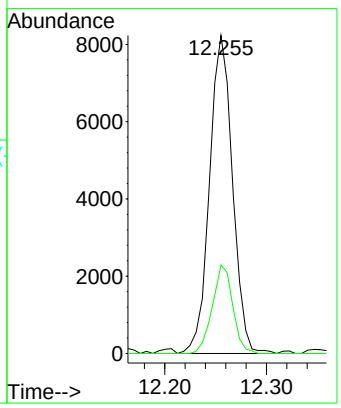


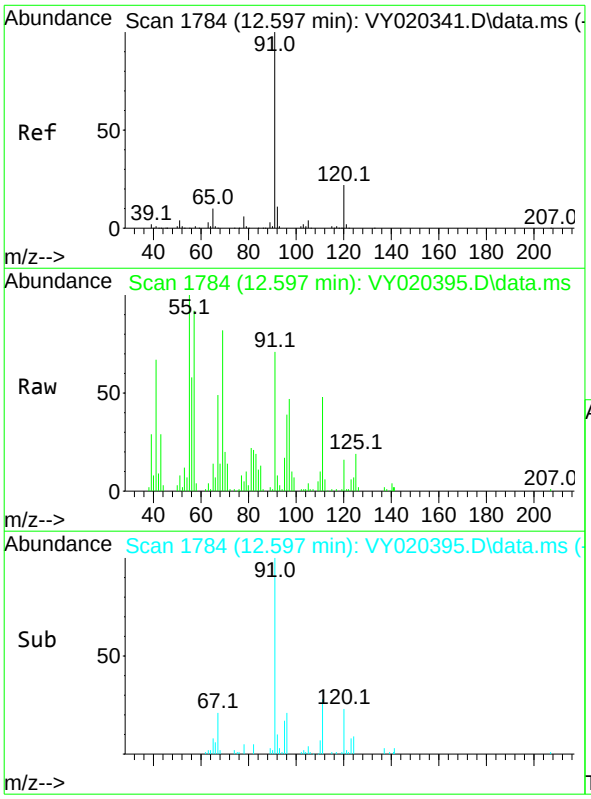
#73
Isopropylbenzene
Concen: 1.349 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:105 Resp: 12934

Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.7	38.1

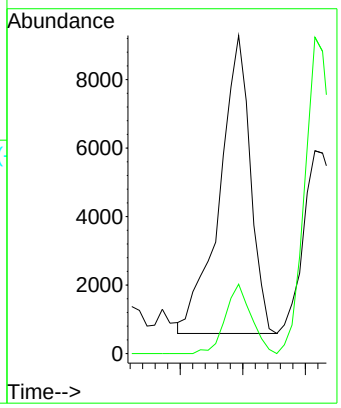


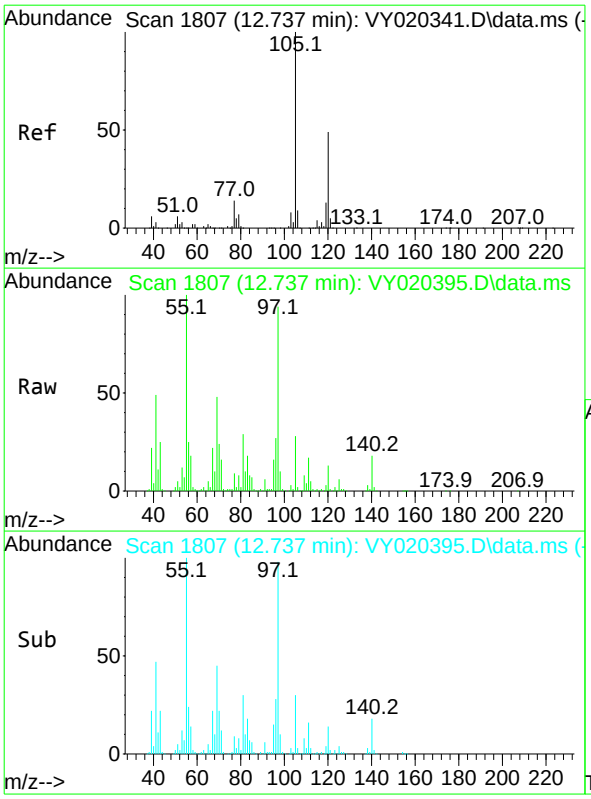


#78
n-propylbenzene
Concen: 1.294 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 91 Resp: 14898

Ion	Ratio	Lower	Upper
91	100		
120	19.6	10.9	32.6



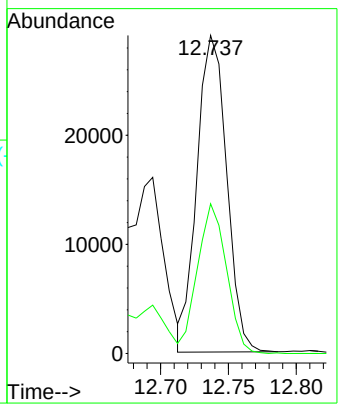


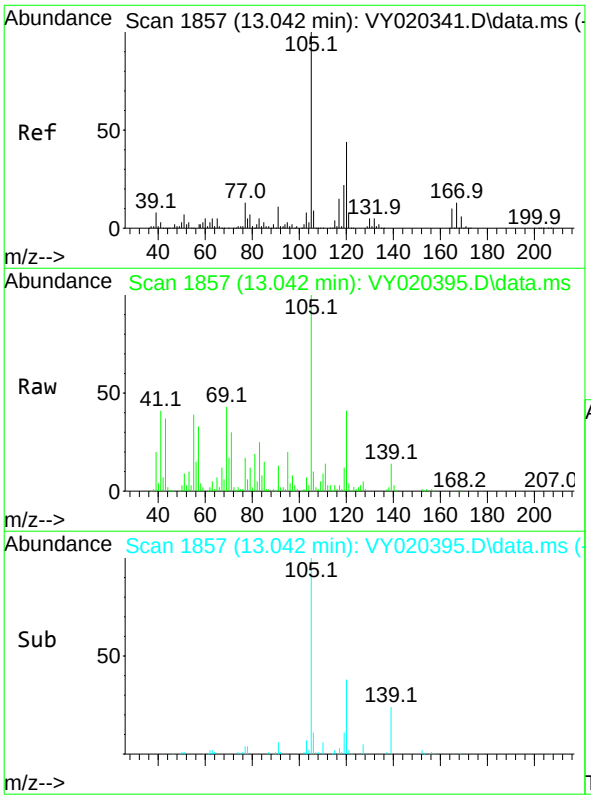
#80
1,3,5-Trimethylbenzene
Concen: 5.704 ug/l
RT: 12.737 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:105 Resp: 44208

Ion	Ratio	Lower	Upper
105	100		
120	46.3	24.3	72.8

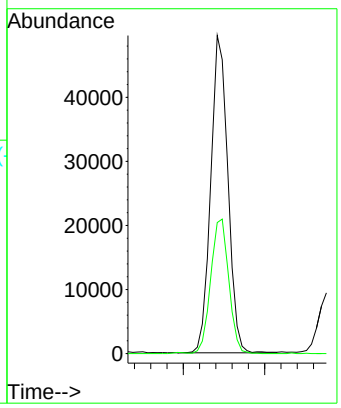


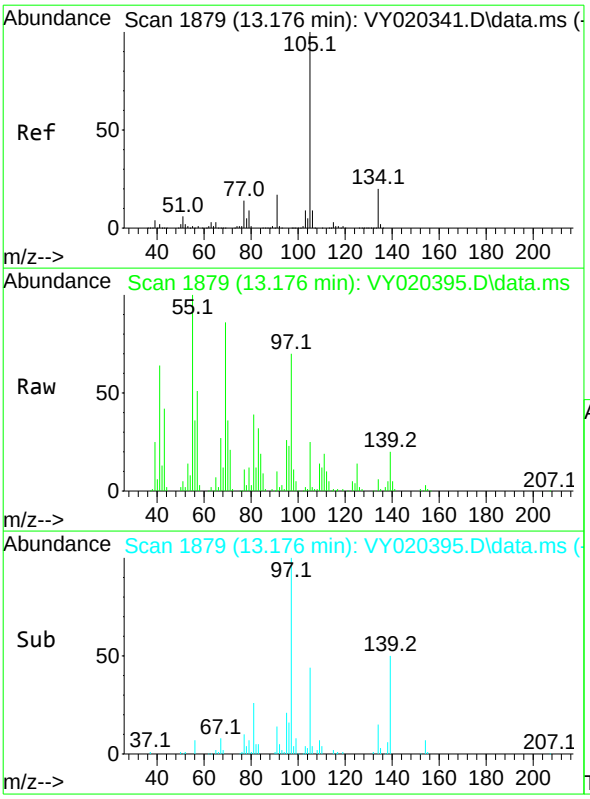


#84
1,2,4-Trimethylbenzene
Concen: 9.431 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:105 Resp: 72471

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.0	66.0



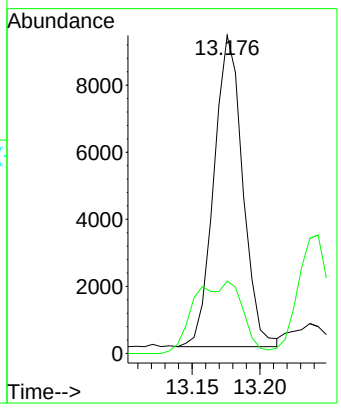


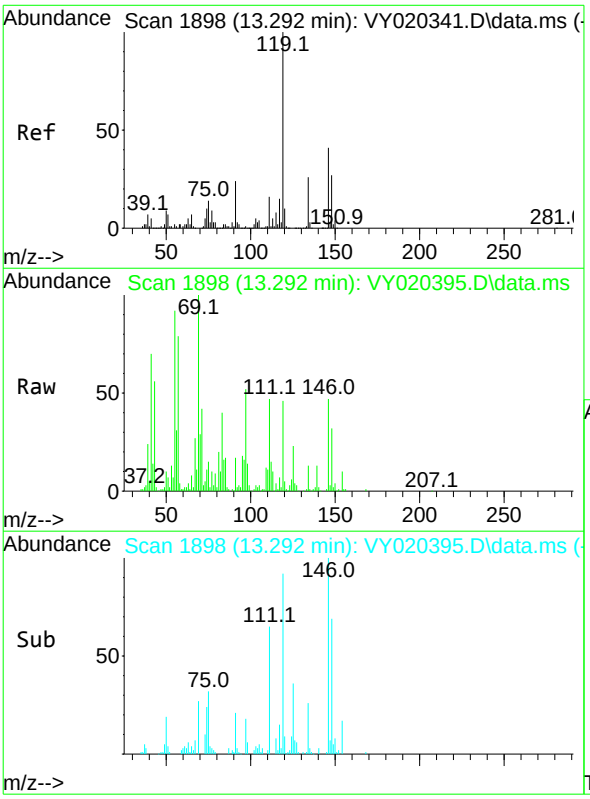
#85
sec-Butylbenzene
Concen: 1.272 ug/l
RT: 13.176 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:105 Resp: 13719

Ion	Ratio	Lower	Upper
105	100		
134	39.1	9.8	29.5#

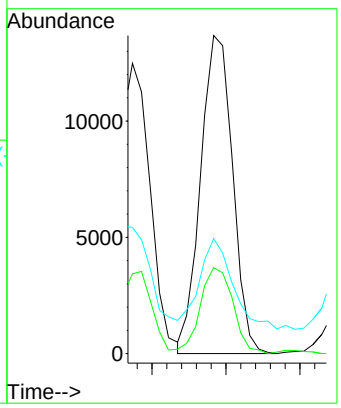


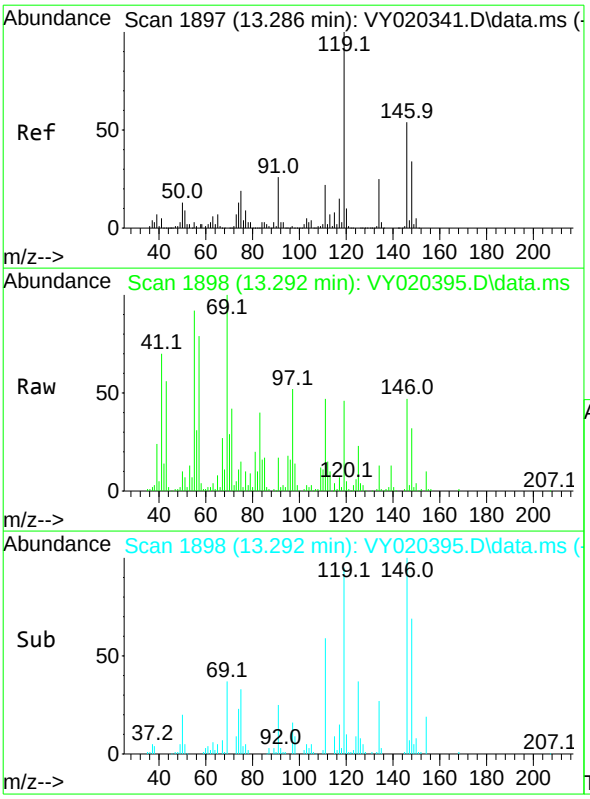


#86
p-Isopropyltoluene
Concen: 2.471 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:119 Resp: 20601

Ion	Ratio	Lower	Upper
119	100		
134	27.4	12.8	38.4
91	30.0	12.3	36.8



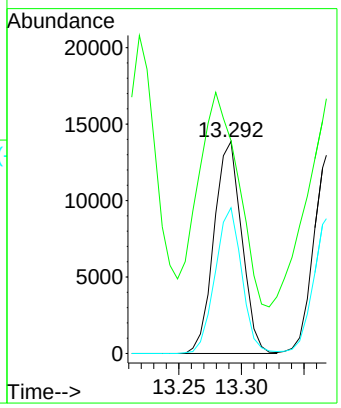


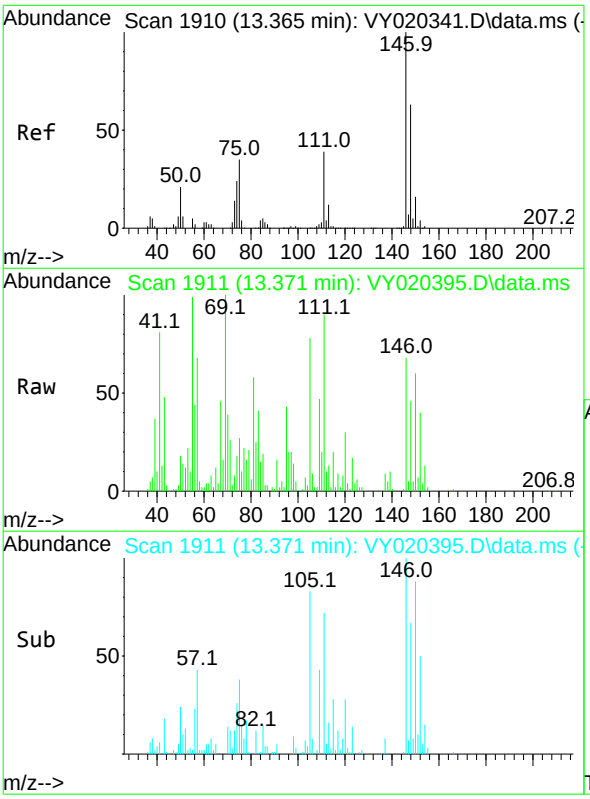
#87
1,3-Dichlorobenzene
Concen: 5.255 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:146 Resp: 21351

Ion	Ratio	Lower	Upper
146	100		
111	143.4	20.5	61.6#
148	66.3	32.1	96.5

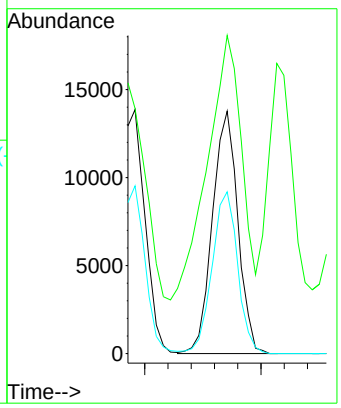


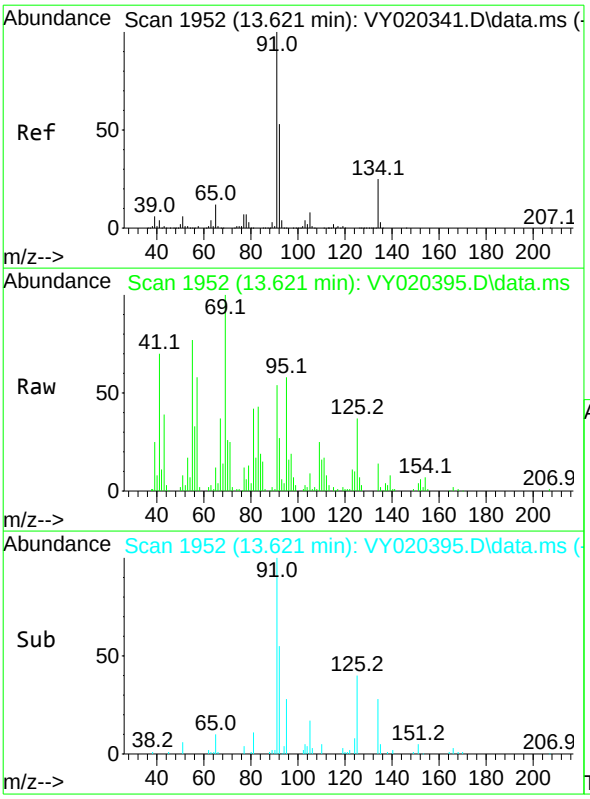


#88
1,4-Dichlorobenzene
Concen: 5.393 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:146 Resp: 20934

Ion	Ratio	Lower	Upper
146	100		
111	144.8	19.9	59.6#
148	67.2	32.0	96.2



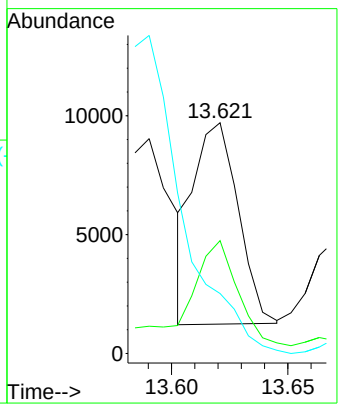


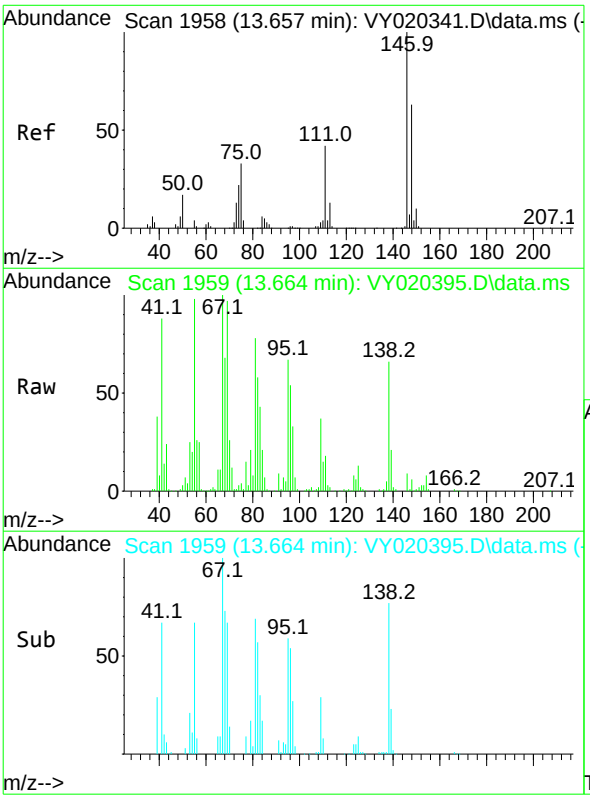
#89
n-Butylbenzene
Concen: 1.420 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 91 Resp: 11336

Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.5	79.5
134	0.0	12.2	36.4#

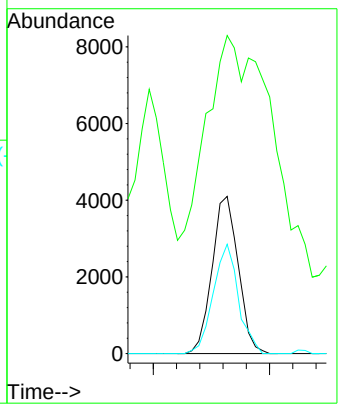




#91
1,2-Dichlorobenzene
Concen: 1.892 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:146 Resp: 6405

Ion	Ratio	Lower	Upper
146	100		
111	166.8	20.8	62.5#
148	66.9	31.8	95.4



Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020395.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	20	rBV2	16990	26567	1.84%	0.087%
2	3.873	341	353	372	rBV	21734	70645	4.89%	0.231%
3	4.110	382	392	407	rVB	16533	45186	3.13%	0.148%
4	4.629	460	477	484	rBV5	7807	35435	2.45%	0.116%
5	6.896	838	849	864	rBV3	11391	37222	2.57%	0.122%
6	7.634	960	970	976	rBV	130313	318528	22.03%	1.042%
7	7.707	976	982	990	rVV	204095	485643	33.59%	1.589%
8	7.793	990	996	1005	rVB3	22312	56284	3.89%	0.184%
9	7.921	1008	1017	1025	rBV2	33352	80370	5.56%	0.263%
10	8.073	1032	1042	1053	rBV3	228984	625093	43.23%	2.045%
11	8.250	1053	1071	1080	rVV	124115	363464	25.14%	1.189%
12	8.341	1080	1086	1097	rVB2	20495	46820	3.24%	0.153%
13	8.616	1120	1131	1141	rBV	350250	686234	47.46%	2.245%
14	8.853	1162	1170	1176	rBV	22298	48857	3.38%	0.160%
15	9.109	1196	1212	1218	rBV4	141037	350849	24.26%	1.148%
16	9.170	1218	1222	1229	rVB2	58117	105241	7.28%	0.344%
17	9.298	1238	1243	1249	rVV3	12663	28298	1.96%	0.093%
18	9.390	1249	1258	1265	rVB4	29262	74248	5.13%	0.243%
19	9.542	1275	1283	1292	rVB2	89352	180843	12.51%	0.592%
20	9.676	1295	1305	1311	rBV3	80622	184820	12.78%	0.605%
21	9.744	1311	1316	1320	rVV3	21391	39307	2.72%	0.129%
22	9.780	1320	1322	1328	rVB4	21277	31235	2.16%	0.102%
23	9.884	1328	1339	1343	rBV4	33816	108484	7.50%	0.355%
24	10.042	1359	1365	1369	rVB	58694	99900	6.91%	0.327%
25	10.109	1369	1376	1391	rVB	600276	1164110	80.51%	3.809%
26	10.274	1398	1403	1405	rBV2	25392	39565	2.74%	0.129%
27	10.408	1415	1425	1427	rBV5	23605	46386	3.21%	0.152%
28	10.451	1427	1432	1441	rVB	51206	94103	6.51%	0.308%
29	10.548	1441	1448	1453	rBV4	39127	108176	7.48%	0.354%
30	10.591	1453	1455	1459	rVV3	20885	26081	1.80%	0.085%
31	10.640	1459	1463	1468	rVB	48262	71838	4.97%	0.235%
32	10.731	1468	1478	1484	rBV	113426	199780	13.82%	0.654%
33	10.829	1484	1494	1502	rBV	108127	250373	17.32%	0.819%
34	10.902	1502	1506	1509	rBV2	35226	55920	3.87%	0.183%
35	10.963	1512	1516	1520	rVV	76942	117452	8.12%	0.384%
36	11.018	1520	1525	1530	rVV	202463	348603	24.11%	1.141%

Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

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\82Y111924S.M
Title : SW846 8260

37	11.073	1530	1534	1538	rVB2	40990	57336	3.97%	0.188%
38	11.134	1538	1544	1548	rBV3	98218	174812	12.09%	0.572%
39	11.176	1548	1551	1553	rVV2	54658	85555	5.92%	0.280%
40	11.219	1554	1558	1567	rVB2	138521	297324	20.56%	0.973%
41	11.310	1567	1573	1577	rBV	115244	208236	14.40%	0.681%
42	11.414	1583	1590	1600	rBV	547596	985610	68.16%	3.225%
43	11.493	1600	1603	1609	rBV4	24224	49575	3.43%	0.162%
44	11.554	1609	1613	1616	rVB	55220	74907	5.18%	0.245%
45	11.615	1616	1623	1627	rBV3	188592	440075	30.44%	1.440%
46	11.664	1627	1631	1635	rVV2	226782	356590	24.66%	1.167%
47	11.707	1635	1638	1643	rVB2	180150	270893	18.73%	0.886%
48	11.768	1643	1648	1651	rBV	74909	141331	9.77%	0.462%
49	11.804	1651	1654	1659	rVB2	34405	63645	4.40%	0.208%
50	11.865	1659	1664	1667	rBV2	117024	164448	11.37%	0.538%
51	11.932	1667	1675	1682	rBV4	433398	1400840	96.88%	4.583%
52	12.018	1686	1689	1690	rBV	68803	75323	5.21%	0.246%
53	12.048	1690	1694	1698	rVB	549066	776415	53.70%	2.540%
54	12.127	1698	1707	1709	rBV4	432115	808372	55.91%	2.645%
55	12.164	1709	1713	1718	rVB3	586293	1038546	71.82%	3.398%
56	12.249	1718	1727	1730	rBV6	95356	226860	15.69%	0.742%
57	12.298	1730	1735	1741	rVB4	329127	707909	48.96%	2.316%
58	12.353	1741	1744	1746	rVB	49912	55041	3.81%	0.180%
59	12.408	1746	1753	1759	rVB4	566122	1203237	83.21%	3.937%
60	12.499	1759	1768	1771	rBV5	267302	685654	47.42%	2.243%
61	12.566	1772	1779	1786	rVB4	574284	1445949	100.00%	4.731%
62	12.658	1786	1794	1798	rBV5	411483	1001087	69.23%	3.275%
63	12.737	1799	1807	1812	rBV6	554080	1391309	96.22%	4.552%
64	12.786	1813	1815	1821	rVB3	338089	448509	31.02%	1.467%
65	12.871	1821	1829	1833	rBV6	301207	679622	47.00%	2.224%
66	12.920	1833	1837	1841	rBV3	193201	347062	24.00%	1.136%
67	12.962	1841	1844	1846	rBV2	119817	146771	10.15%	0.480%
68	13.048	1854	1858	1862	rVB4	157687	246189	17.03%	0.805%
69	13.097	1862	1866	1871	rBV2	257448	452011	31.26%	1.479%
70	13.145	1872	1874	1876	rBV2	63990	68650	4.75%	0.225%
71	13.212	1881	1885	1887	rVV3	306016	454171	31.41%	1.486%
72	13.243	1888	1890	1894	rVV2	363660	442711	30.62%	1.448%
73	13.279	1894	1896	1901	rVB5	176095	266591	18.44%	0.872%
74	13.347	1902	1907	1913	rBV	374992	729798	50.47%	2.388%
75	13.487	1926	1930	1934	rVB4	123670	183405	12.68%	0.600%
76	13.548	1935	1940	1944	rBV4	84976	200340	13.86%	0.655%

Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

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\82Y111924S.M
Title : SW846 8260

77	13.670	1954	1960	1965	rBV2	500231	862894	59.68%	2.823%
78	13.718	1965	1968	1971	rBV2	72949	96028	6.64%	0.314%
79	13.840	1985	1988	1993	rBV4	105532	228458	15.80%	0.747%
80	13.889	1993	1996	2002	rVB3	191290	305899	21.16%	1.001%
81	13.999	2010	2014	2019	rVB3	158476	238462	16.49%	0.780%
82	14.066	2019	2025	2031	rVB6	104517	240557	16.64%	0.787%
83	14.127	2031	2035	2039	rBV5	58453	102967	7.12%	0.337%
84	14.182	2039	2044	2053	rBV6	243344	685484	47.41%	2.243%
85	14.255	2053	2056	2060	rVB	120066	163261	11.29%	0.534%
86	14.304	2060	2064	2067	rBV3	113756	178859	12.37%	0.585%
87	14.340	2067	2070	2075	rVB2	212659	299960	20.74%	0.981%
88	14.487	2090	2094	2099	rBV3	49364	78476	5.43%	0.257%
89	14.535	2099	2102	2106	rVB2	67927	81736	5.65%	0.267%
90	14.602	2106	2113	2118	rBV3	156253	361560	25.01%	1.183%
91	14.651	2118	2121	2128	rVB3	144647	244078	16.88%	0.799%
92	14.712	2128	2131	2132	rBV2	25509	28435	1.97%	0.093%
93	14.865	2152	2156	2160	rVB3	77118	98403	6.81%	0.322%
94	15.133	2195	2200	2207	rBV2	121335	254664	17.61%	0.833%
95	15.255	2217	2220	2225	rBV6	27755	48207	3.33%	0.158%
96	15.346	2232	2235	2243	rVB9	36178	70323	4.86%	0.230%
97	15.432	2244	2249	2251	rBV4	26241	54587	3.78%	0.179%
98	15.517	2259	2263	2268	rVB3	66414	112566	7.78%	0.368%
99	16.053	2347	2351	2359	rVB	65257	108059	7.47%	0.354%
100	16.370	2398	2403	2411	rBV4	49633	116042	8.03%	0.380%

Sum of corrected areas: 30564634

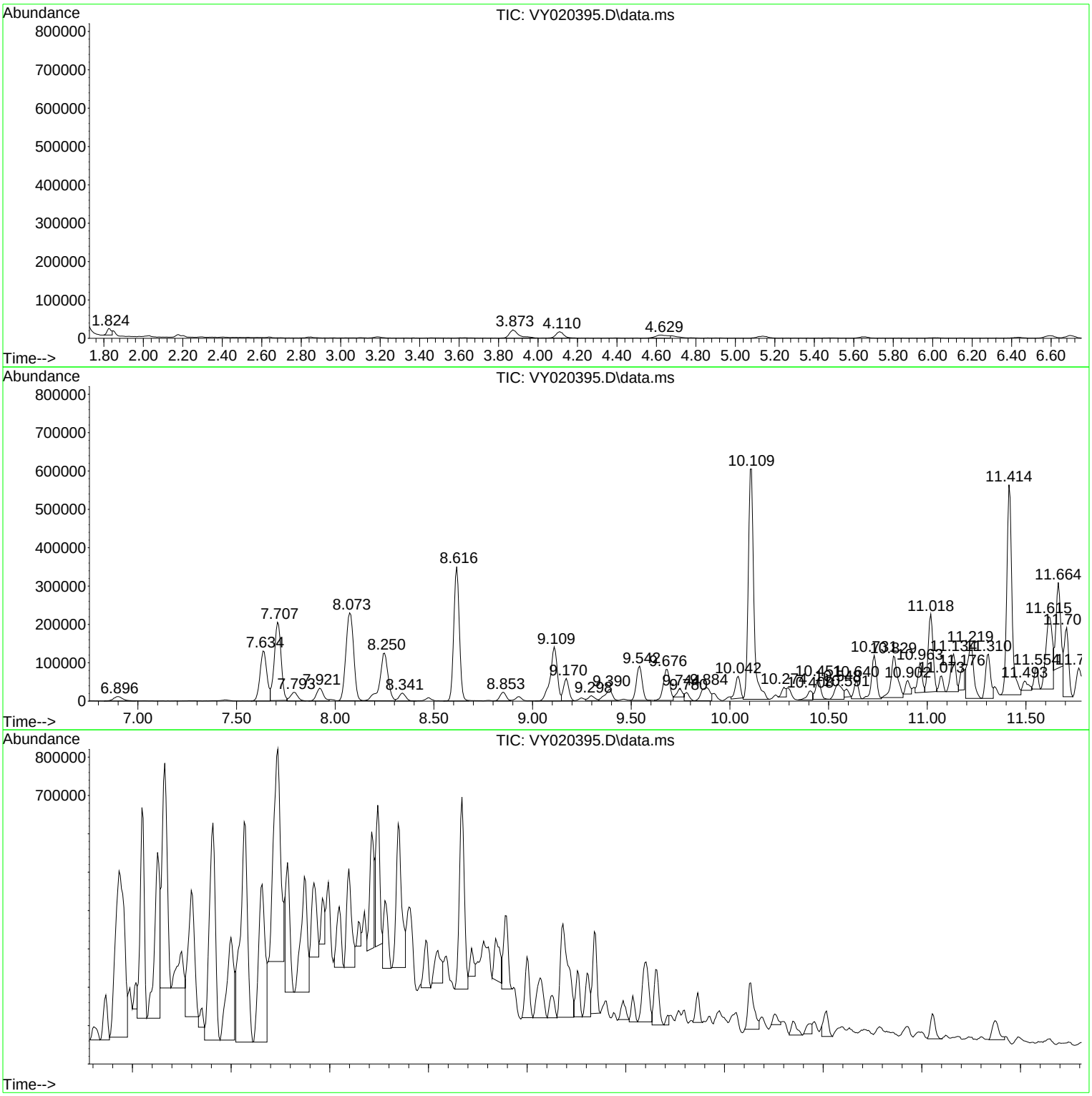
Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

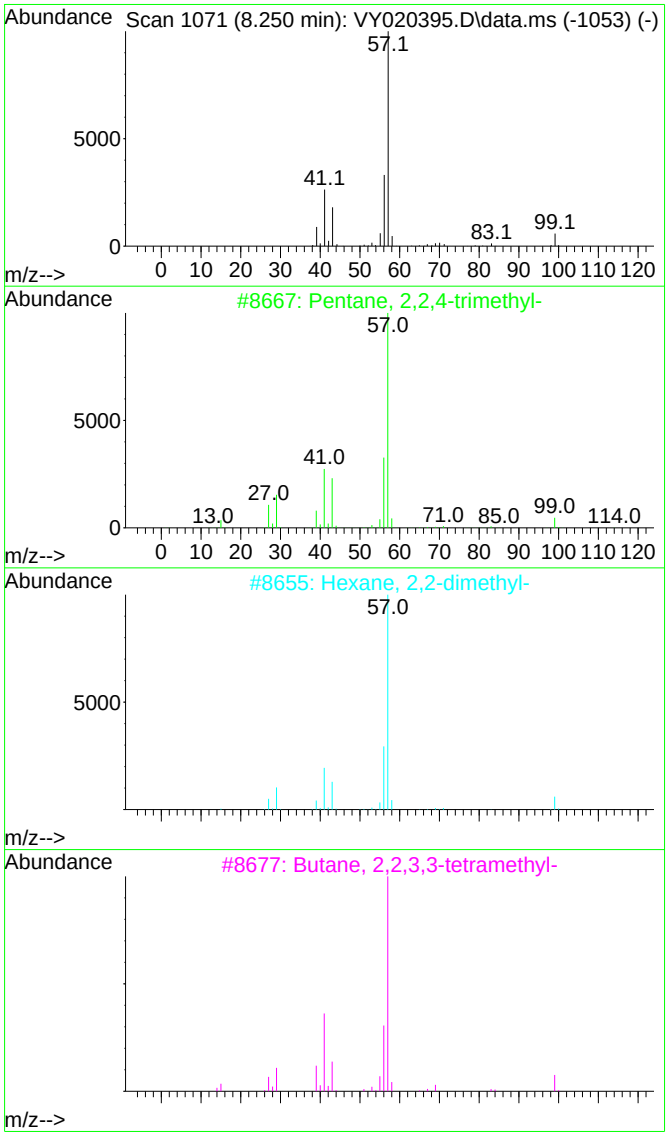
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

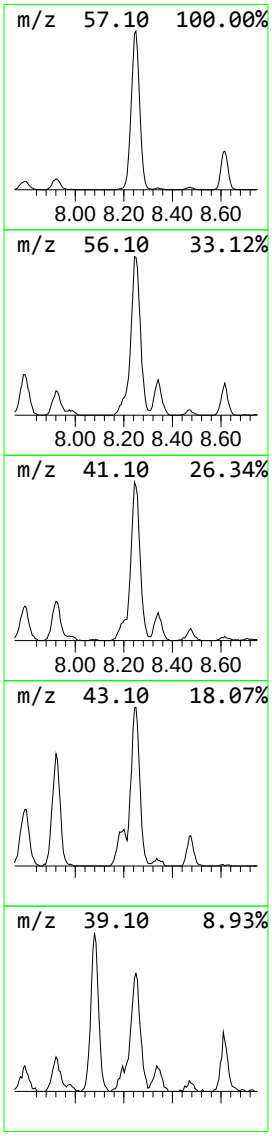
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.250	26.48 ug/l	363464	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

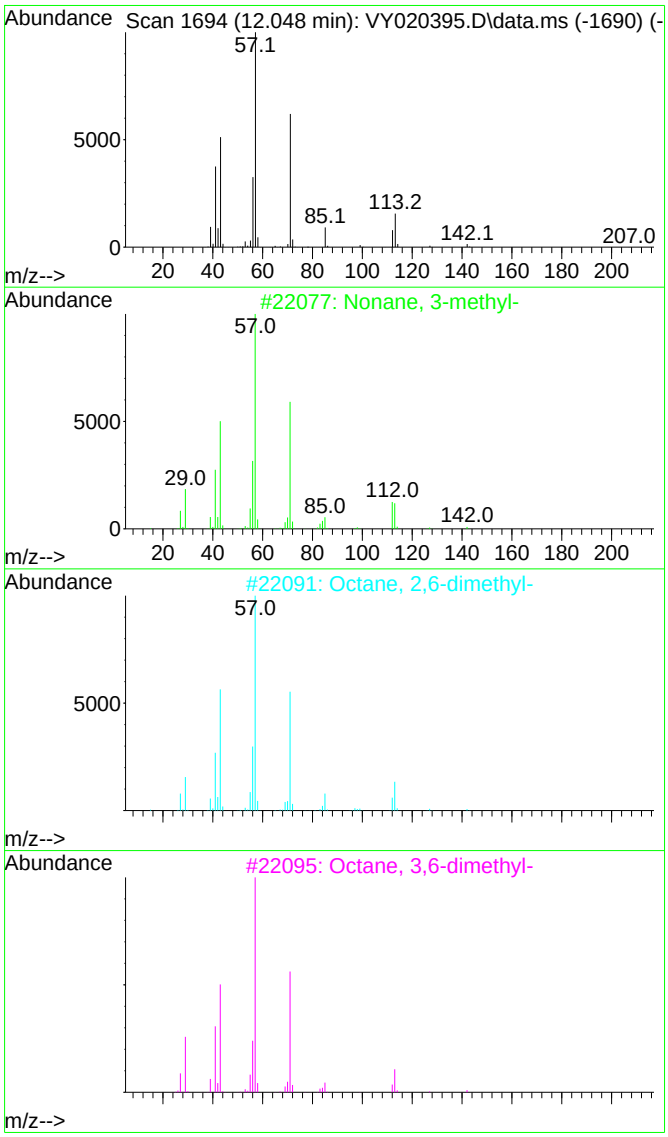
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

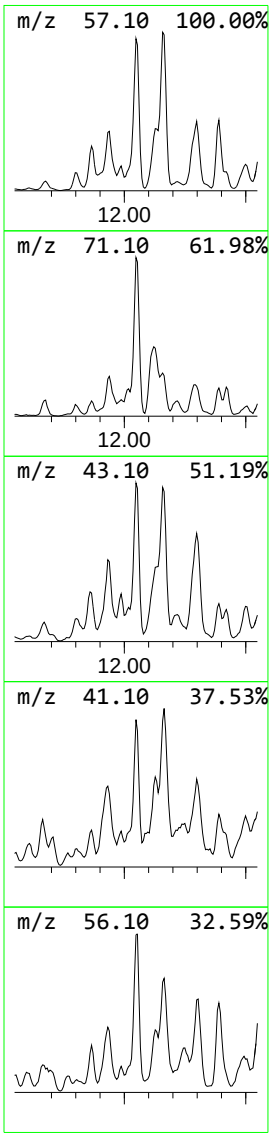
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.048	39.39 ug/l	776415	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
4	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59





Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

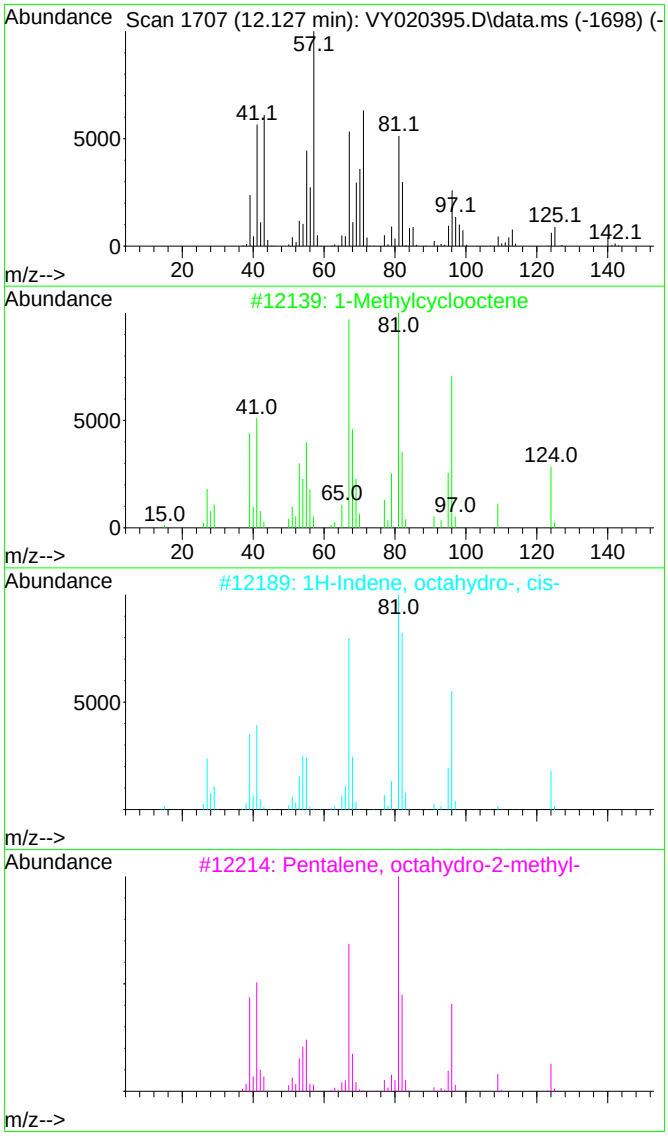
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

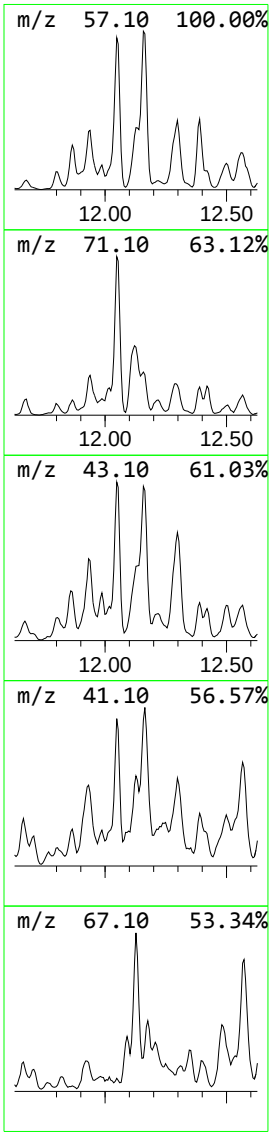
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown12.127 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	41.01 ug/l	808372	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcyclooctene	124	C9H16	000933-11-9	42
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	35
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	30
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

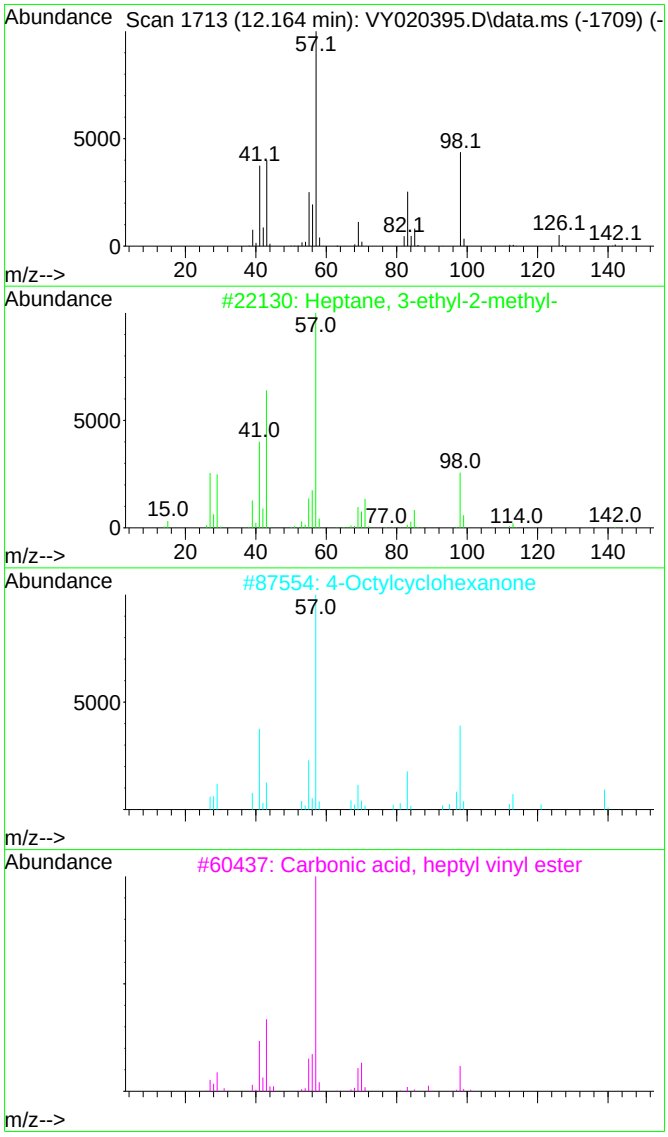
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

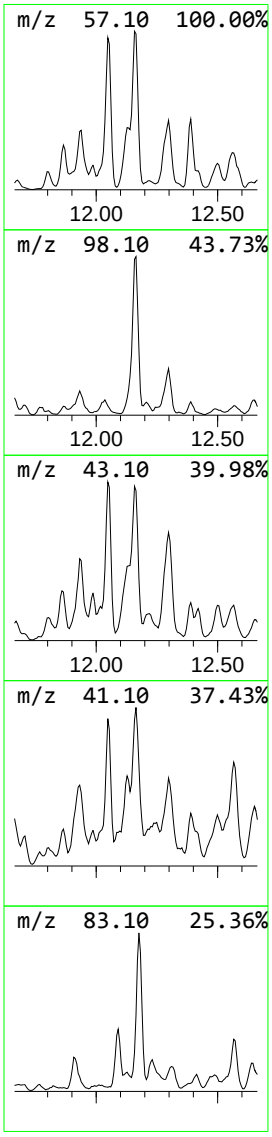
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown12.164 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.164	52.69 ug/l	1038550	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
2	4-Octylcyclohexanone	210	C14H26O	1000428-94-1	45
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	40
4	2,2-Dimethyl-3-pentanol, chlorod...	228	C9H15ClF2O2	1000376-26-4	38
5	Carbonic acid, heptyl prop-1-en-...	200	C11H20O3	1000382-54-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

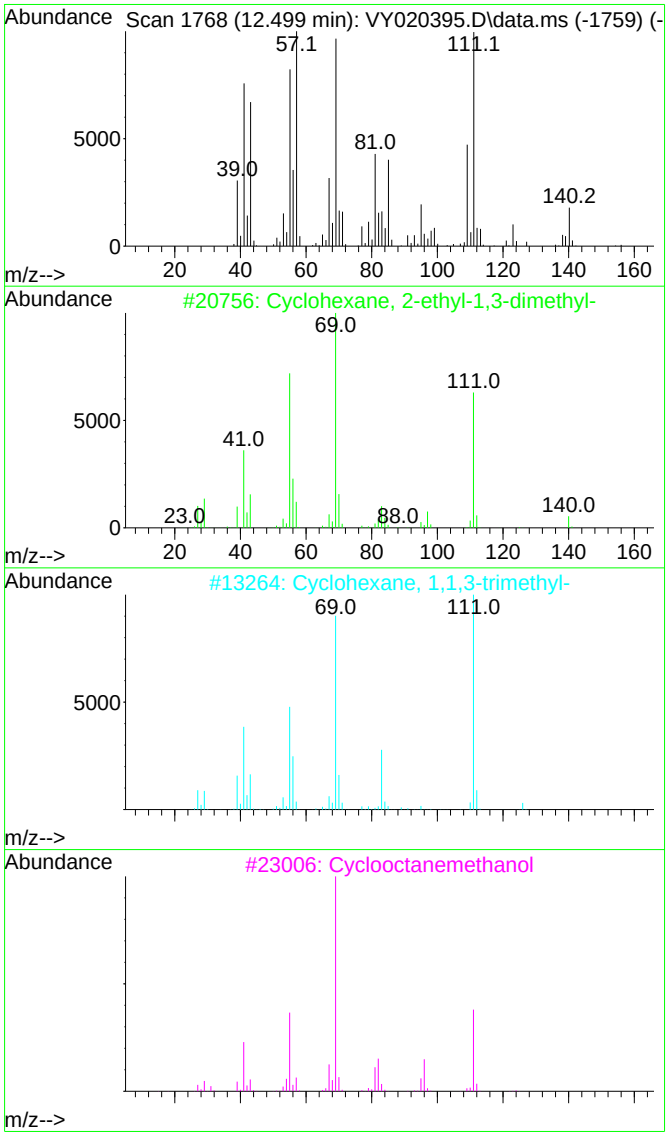
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

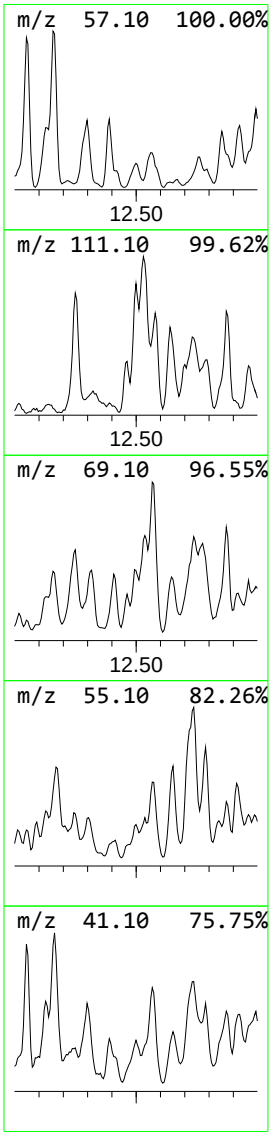
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown12.499 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.499	46.98 ug/l	685654	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	49
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
3	Cyclooctanemethanol	142	C9H18O	003637-63-6	43
4	2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	43
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

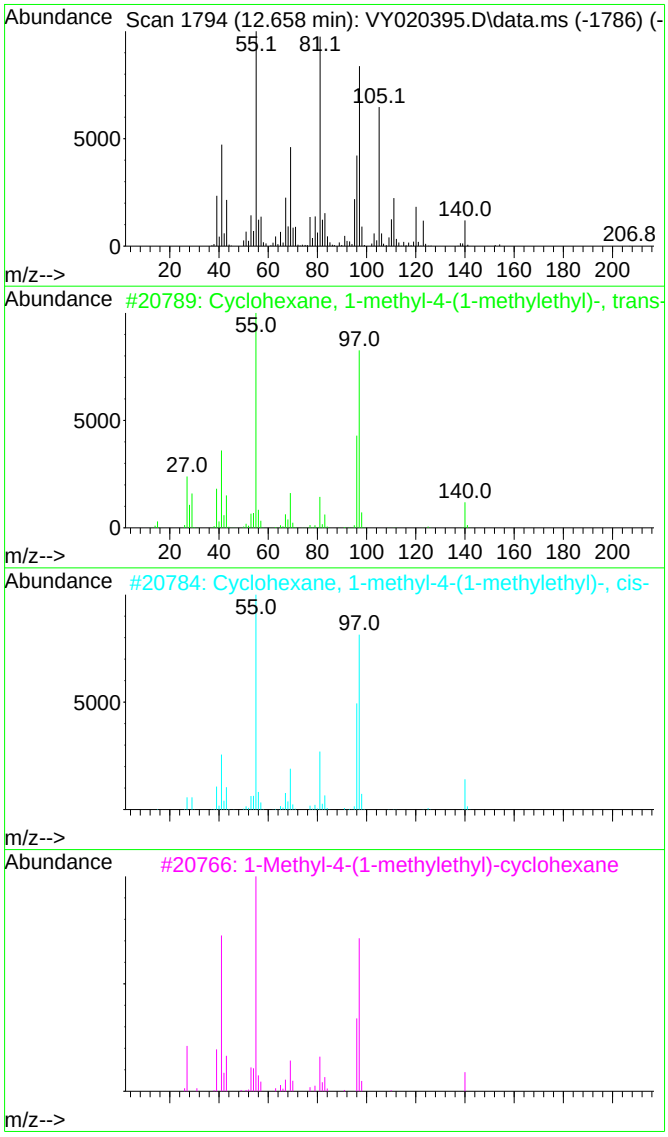
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

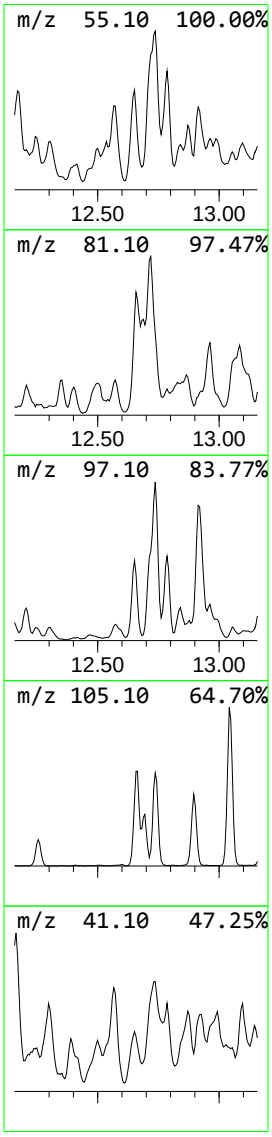
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown12.658 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.658	68.59 ug/l	1001090	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
4	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1010193-87-2	43
5	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	38





Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

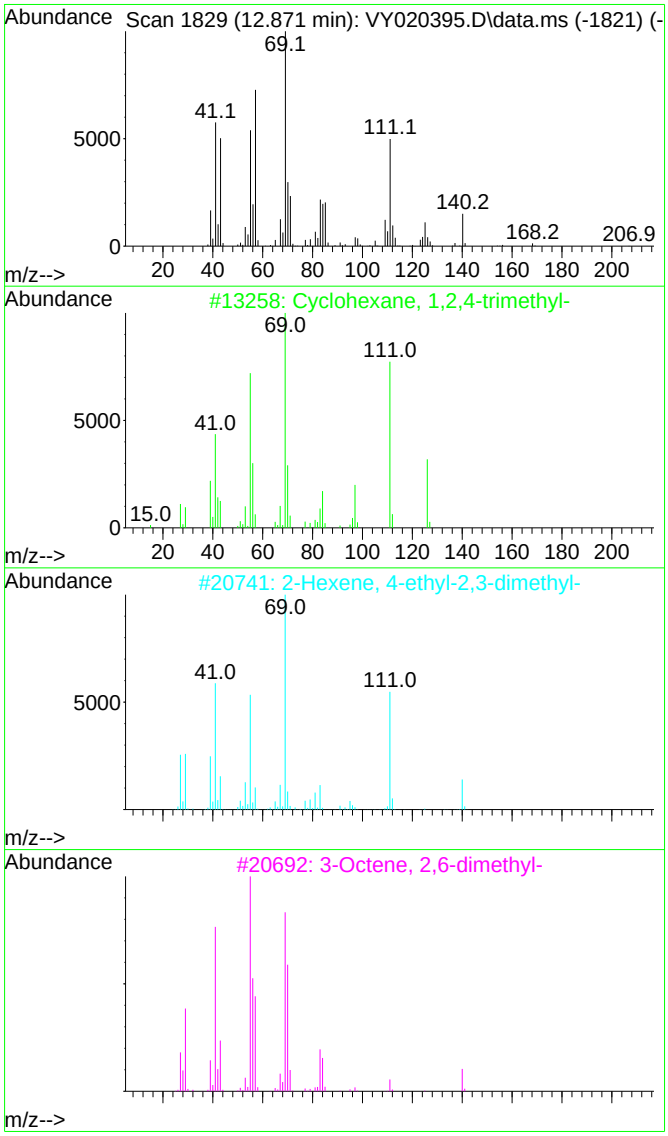
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

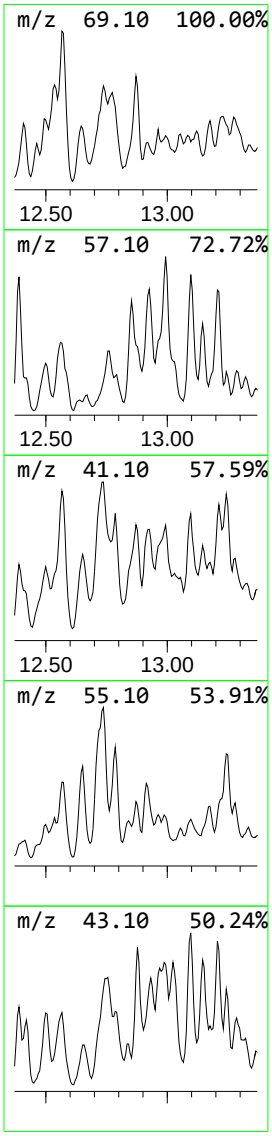
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.871	46.56 ug/l	679622	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	60
2	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	49
3	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	47
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	43
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

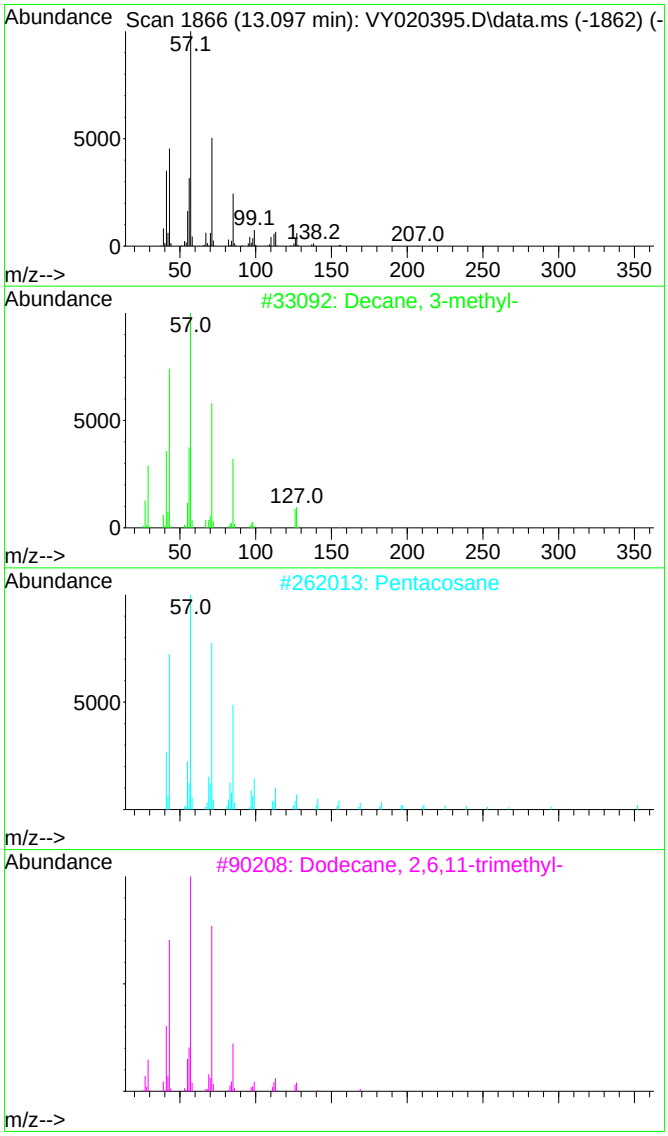
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

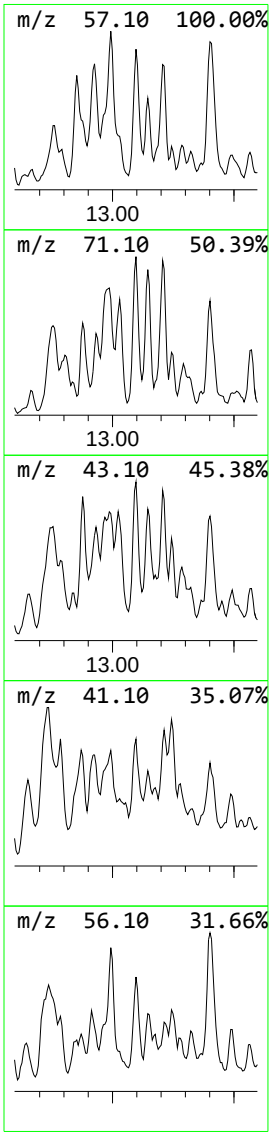
****

Peak Number 8 Decane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.097	30.97 ug/l	452011	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	70
2	Pentacosane	352	C25H52	000629-99-2	59
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53





Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

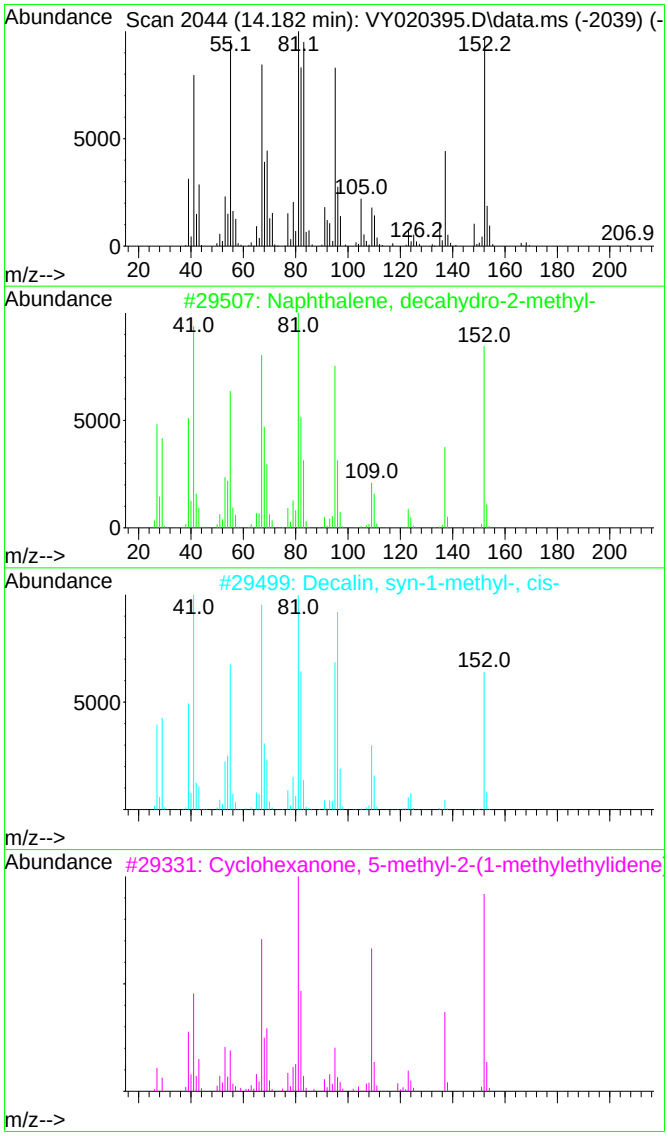
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

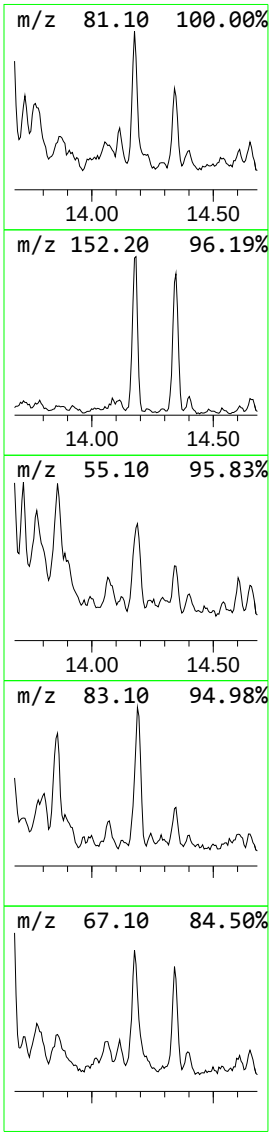
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	46.96 ug/l	685484	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	68
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	60
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5	Cycloundecene (Z)	152	C11H20	013151-61-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

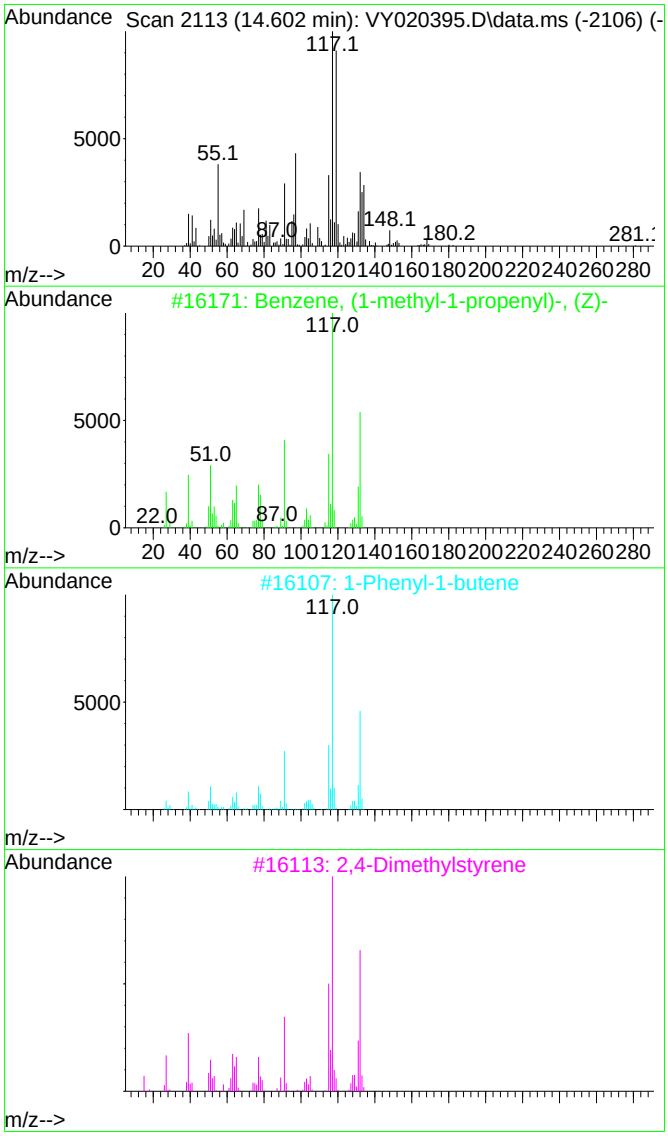
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

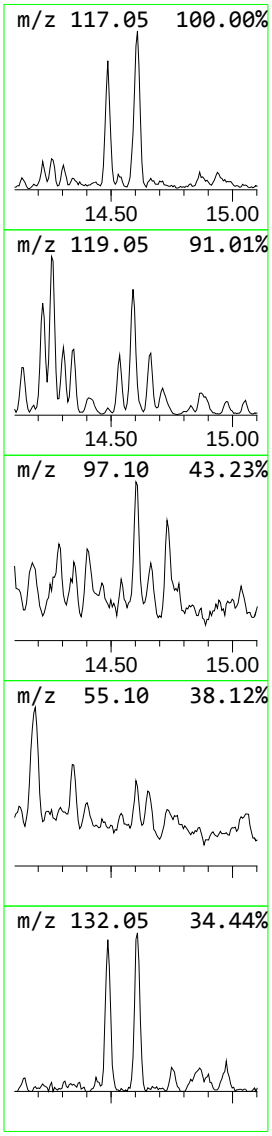
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	24.77 ug/l	361560	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	84
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	64
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	52
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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
Pentane, 2,2,4-...	8.250	26.5	ug/l	363464	2	8.616	686234	50.0
Nonane, 3-methyl-	12.048	39.4	ug/l	776415	3	11.414	985610	50.0
unknown12.127	12.127	41.0	ug/l	808372	3	11.414	985610	50.0
unknown12.164	12.164	52.7	ug/l	1038550	3	11.414	985610	50.0
unknown12.499	12.499	47.0	ug/l	685654	4	13.347	729798	50.0
unknown12.658	12.658	68.6	ug/l	1001090	4	13.347	729798	50.0
Cyclohexane, 1,...	12.871	46.6	ug/l	679622	4	13.347	729798	50.0
Decane, 3-methyl-	13.097	31.0	ug/l	452011	4	13.347	729798	50.0
Naphthalene, de...	14.182	47.0	ug/l	685484	4	13.347	729798	50.0
Benzene, (1-met...	14.602	24.8	ug/l	361560	4	13.347	729798	50.0

Raw Data: **VY020406.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.1
Sample Wt/Vol:	8.56 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
VY020406.D	1		11/22/24 12:01	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	3.40	ug/Kg
74-87-3	Chloromethane	0.79	U	0.79	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.52	U	0.52	3.40	ug/Kg
74-83-9	Bromomethane	0.70	U	0.70	3.40	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.53	U	0.53	3.40	ug/Kg
67-64-1	Acetone	4.20	U	4.20	17.0	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.45	U	0.45	3.40	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.40	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.57	U	0.57	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	3.40	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	3.40	ug/Kg
78-93-3	2-Butanone	3.90	U	3.90	17.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.59	U	0.59	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.41	U	0.41	3.40	ug/Kg
74-97-5	Bromochloromethane	1.60	U	1.60	3.40	ug/Kg
67-66-3	Chloroform	0.45	U	0.45	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.53	U	0.53	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.59	U	0.59	3.40	ug/Kg
71-43-2	Benzene	0.49	U	0.49	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.41	U	0.41	3.40	ug/Kg
79-01-6	Trichloroethene	0.51	U	0.51	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	17.0	ug/Kg
108-88-3	Toluene	0.45	U	0.45	3.40	ug/Kg

Raw Data: **VY020406.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.1
Sample Wt/Vol:	8.56 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
VY020406.D	1		11/22/24 12:01	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.41	U	0.41	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.39	U	0.39	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.57	U	0.57	3.40	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	17.0	ug/Kg
124-48-1	Dibromochloromethane	0.44	U	0.44	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.54	U	0.54	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.60	U	0.60	3.40	ug/Kg
108-90-7	Chlorobenzene	0.50	U	0.50	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.42	U	0.42	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	6.80	ug/Kg
95-47-6	o-Xylene	0.47	U	0.47	3.40	ug/Kg
100-42-5	Styrene	0.41	U	0.41	3.40	ug/Kg
75-25-2	Bromoform	0.55	U	0.55	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.45	U	0.45	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U	0.75	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.54	U	0.54	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.40	U	0.40	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.53	U	0.53	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		70 (50) - 130 (163)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (54) - 130 (147)	96%	SPK: 50
2037-26-5	Toluene-d8	47.3		70 (58) - 130 (134)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		70 (29) - 130 (146)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	7.713			
540-36-3	1,4-Difluorobenzene	284000	8.622			
3114-55-4	Chlorobenzene-d5	251000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	91200	13.353			

Raw Data: **VY020406.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.1
Sample Wt/Vol:	8.56 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
VY020406.D	1		11/22/24 12:01	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Time: Nov 22 23:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

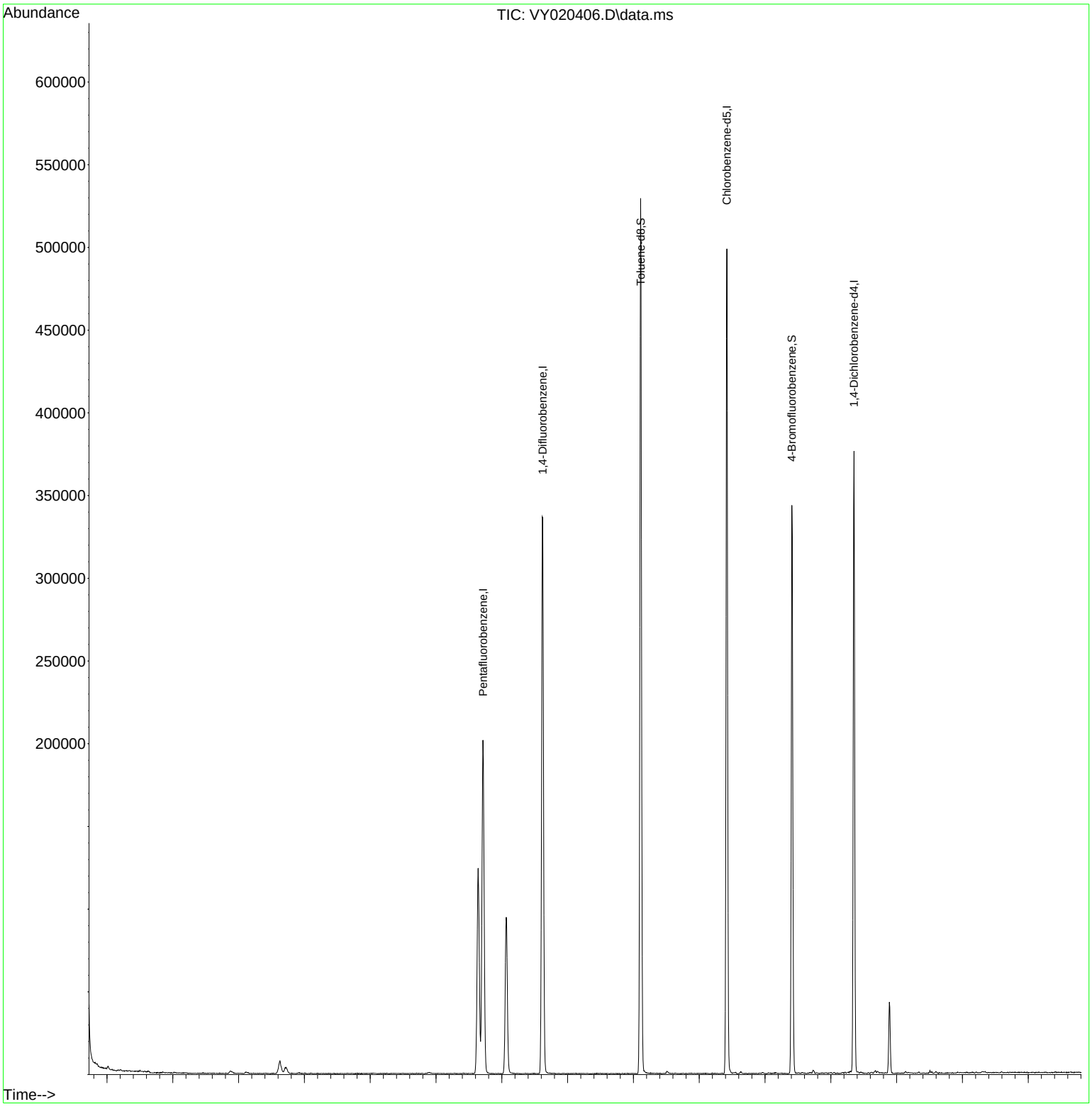
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	149521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	283533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	251330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	91188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	80176	46.673	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.340%		
35) Dibromofluoromethane	7.640	113	86936	47.817	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.640%		
50) Toluene-d8	10.109	98	339071	47.344	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.680%		
62) 4-Bromofluorobenzene	12.408	95	105655	45.891	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	91.780%		
Target Compounds						Qvalue

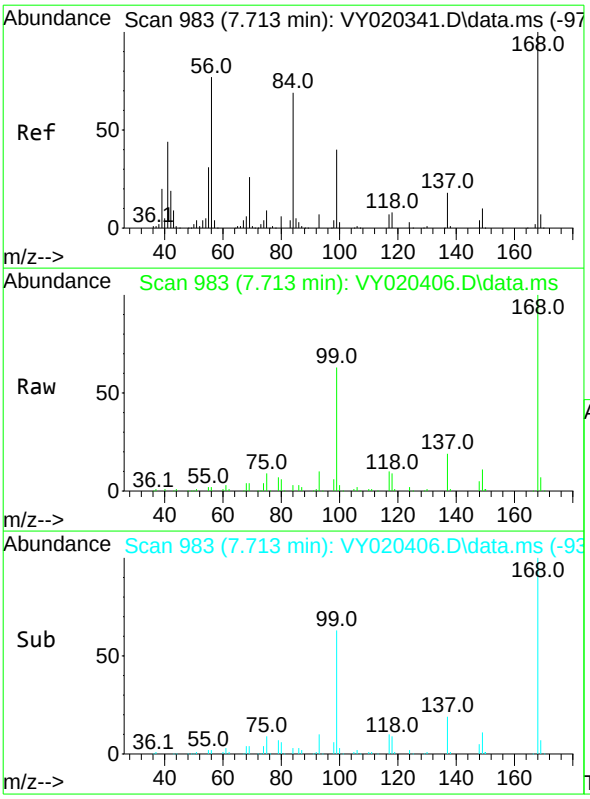
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Time: Nov 22 23:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



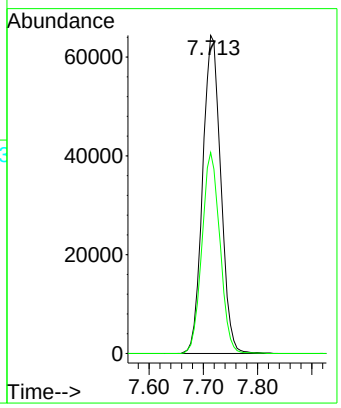


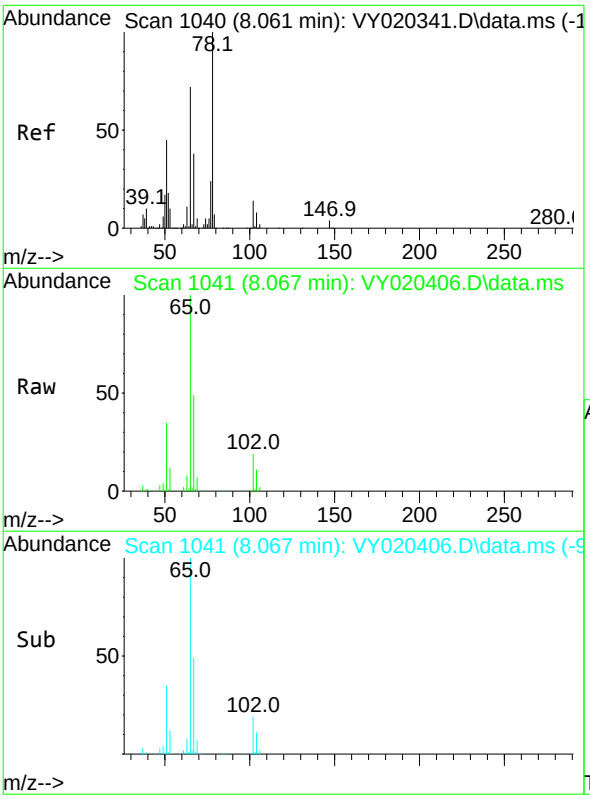
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion:168 Resp: 149521

Ion	Ratio	Lower	Upper
168	100		
99	63.2	46.6	69.8

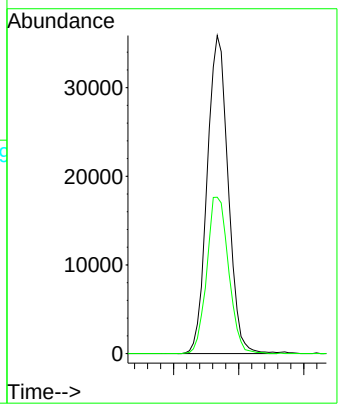


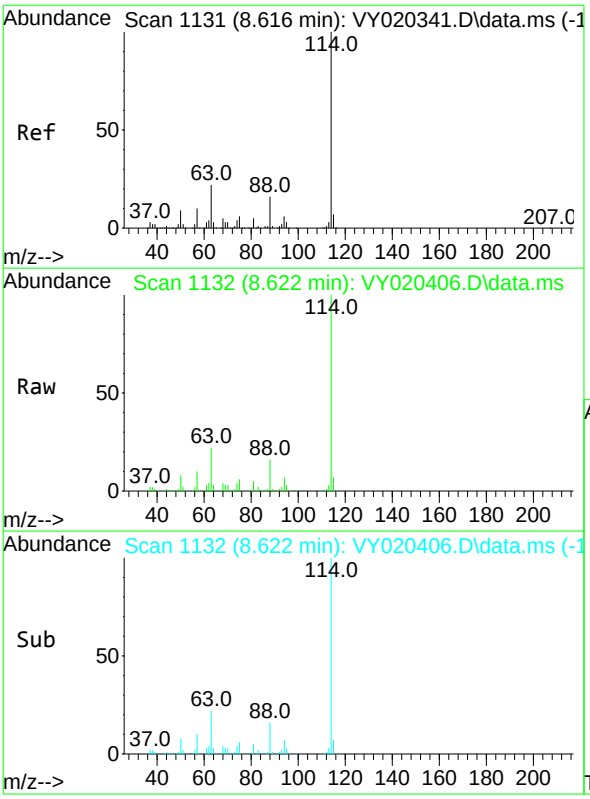


#33
1,2-Dichloroethane-d4
Concen: 46.673 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion: 65 Resp: 80176

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.8



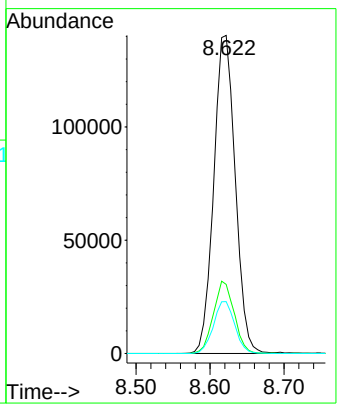


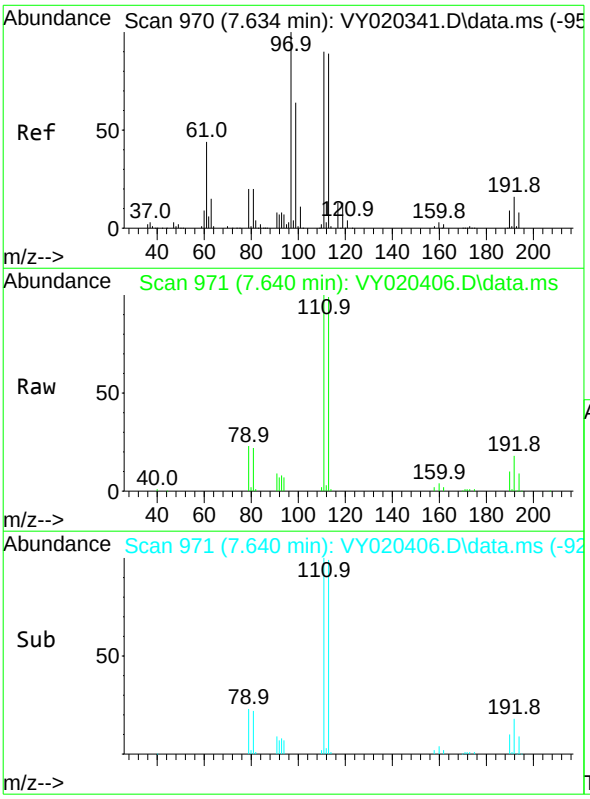
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion:114 Resp: 283533

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.8
88	16.3	0.0	32.0

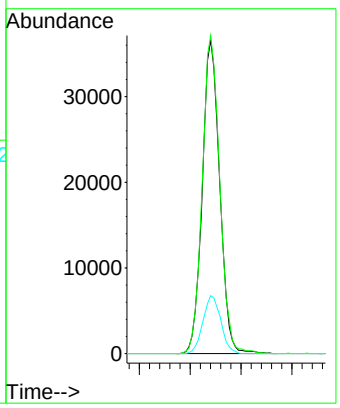


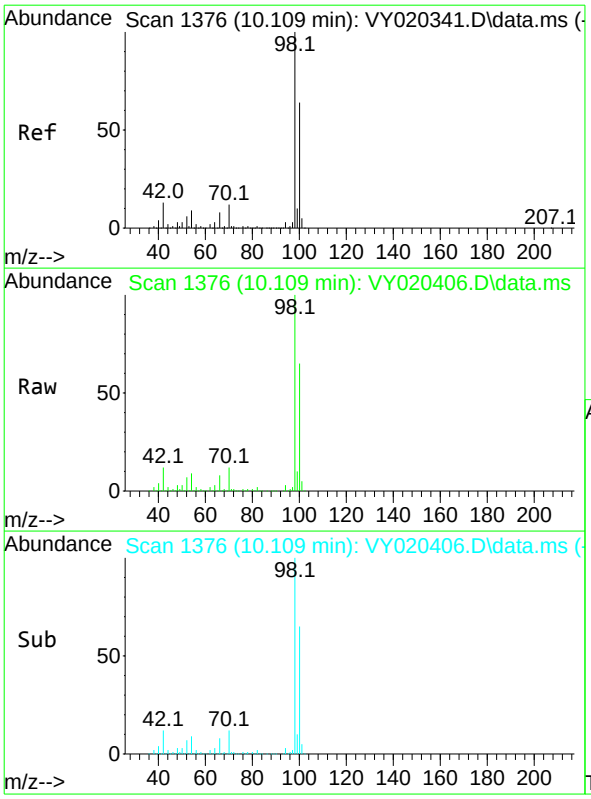


#35
Dibromofluoromethane
Concen: 47.817 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion:113 Resp: 86936

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.9	15.1	22.7



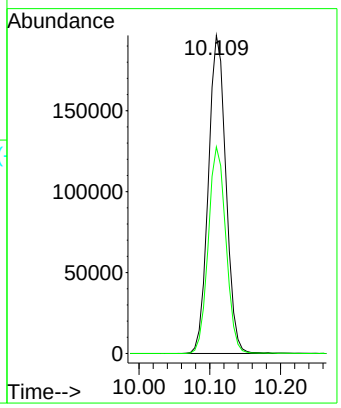


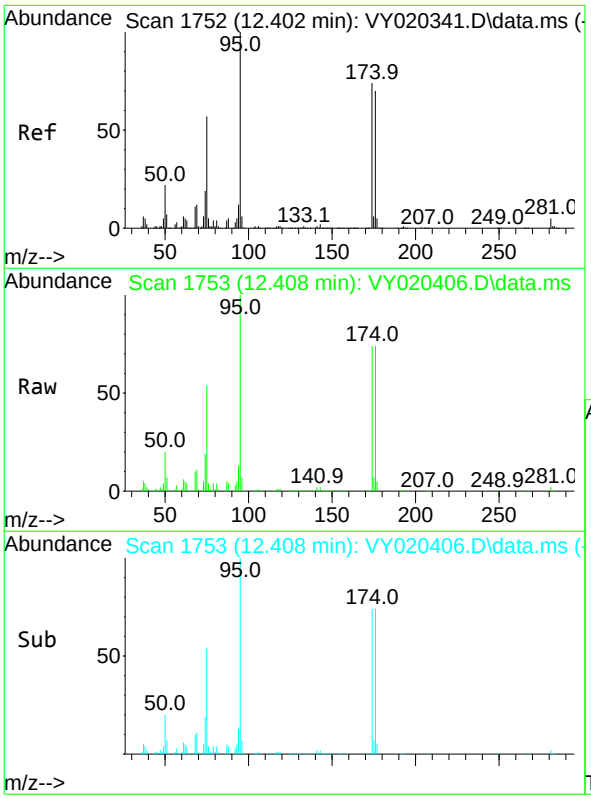
#50
Toluene-d8
Concen: 47.344 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion: 98 Resp: 339071

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.3	76.9

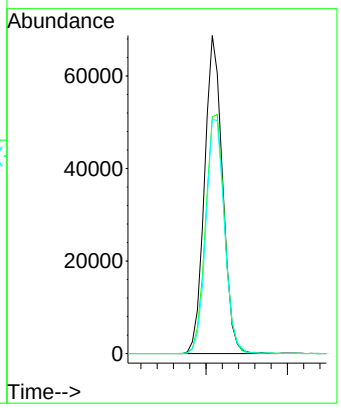


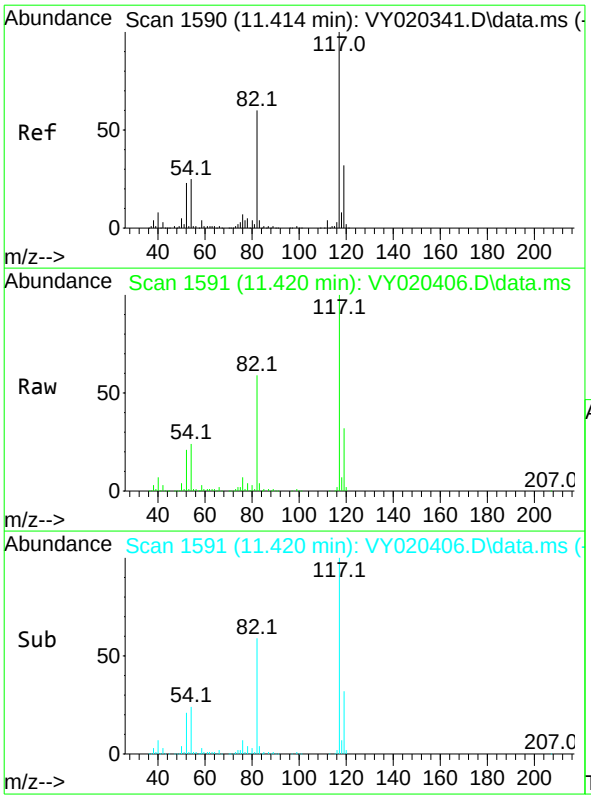


#62
4-Bromofluorobenzene
Concen: 45.891 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion: 95 Resp: 105655

Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	156.8
176	76.0	0.0	152.0



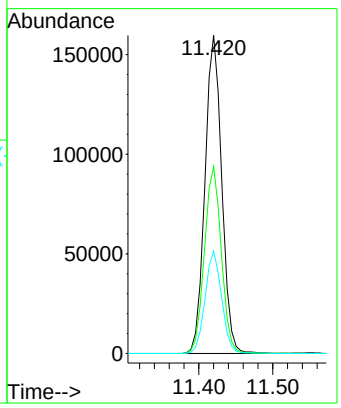


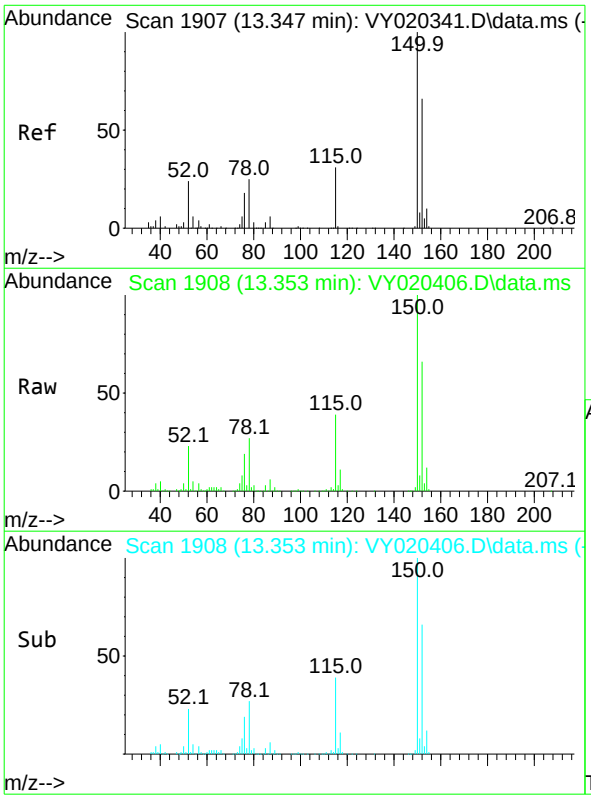
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion:117 Resp: 251330

Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.2	72.4
119	32.2	25.8	38.8

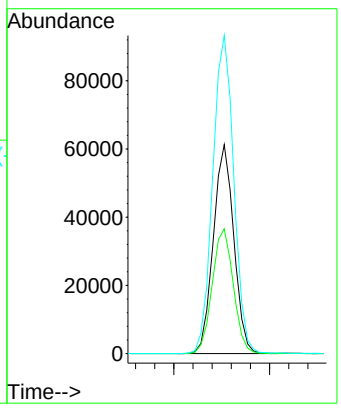




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion:152 Resp: 91188

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.0	90.0
150	156.4	0.0	348.2



Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020406.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.629	467	477	486	rBV2	7651	22393	2.44%	0.489%
2	7.640	961	971	977	rBV	123997	291909	31.84%	6.371%
3	7.713	977	983	1003	rVB	201665	463211	50.52%	10.110%
4	8.067	1030	1041	1054	rBV	94636	216317	23.59%	4.722%
5	8.616	1123	1131	1145	rBV	336587	681378	74.31%	14.872%
6	10.109	1368	1376	1390	rBV	529168	916942	100.00%	20.014%
7	11.420	1583	1591	1604	rBV	498619	795914	86.80%	17.372%
8	12.408	1747	1753	1763	rVB	343400	552497	60.25%	12.059%
9	13.353	1901	1908	1916	rVB	375443	570540	62.22%	12.453%
10	13.889	1990	1996	2005	rVB2	43131	70399	7.68%	1.537%

Sum of corrected areas: 4581500

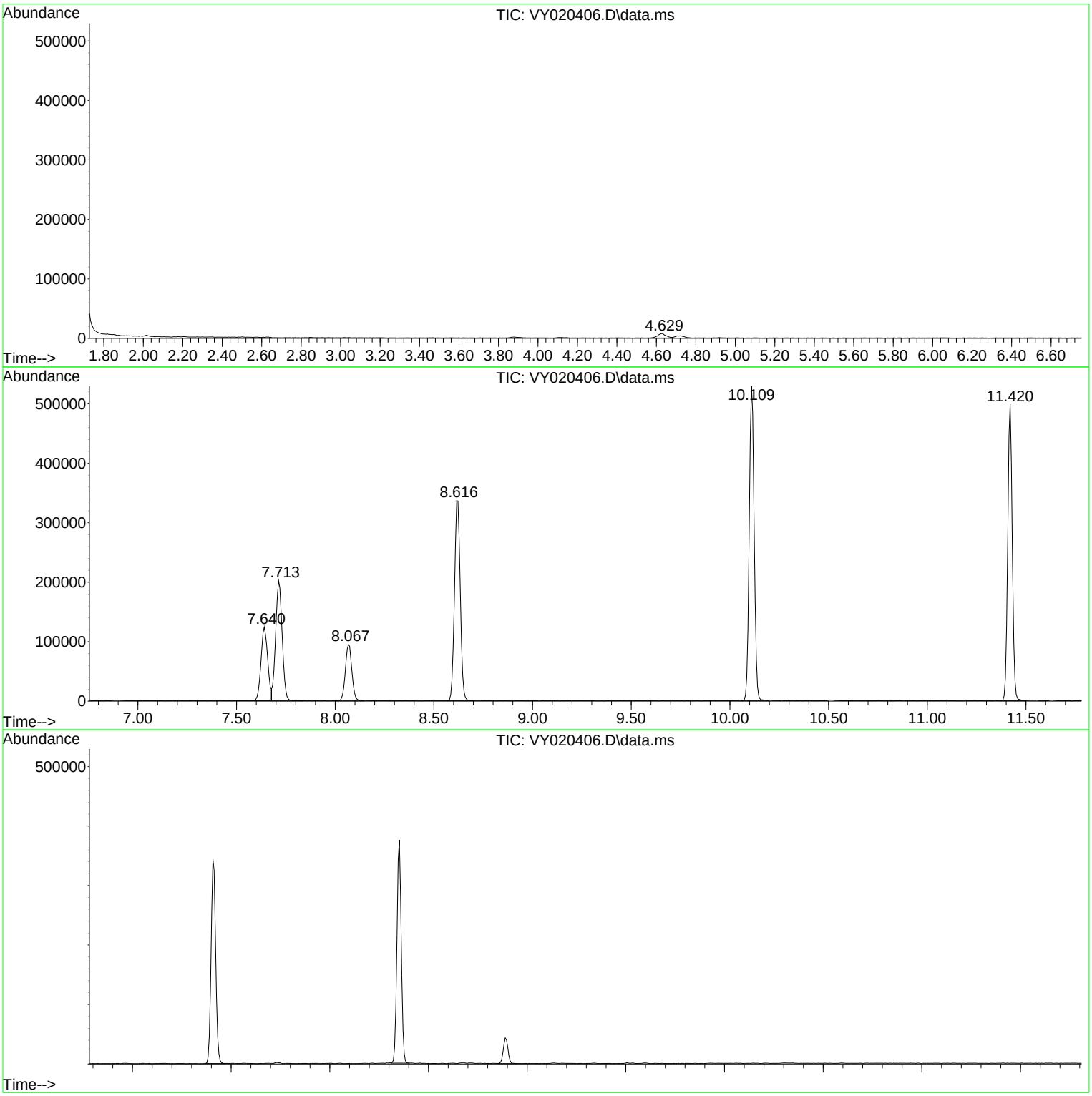
Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084984.D	1		11/20/24 21:22	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084984.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084984.D	1		11/20/24 21:22	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.39	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	UQ	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	UQ	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	45.9		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (77) - 130 (121)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.218			
540-36-3	1,4-Difluorobenzene	308000	9.1			
3114-55-4	Chlorobenzene-d5	262000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN084984.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084984.D	1		11/20/24 21:22	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000064-19-7	Acetic acid	7.60	J		8.72	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.52	J		13.5	ug/L

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_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Time: Nov 21 00:51:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

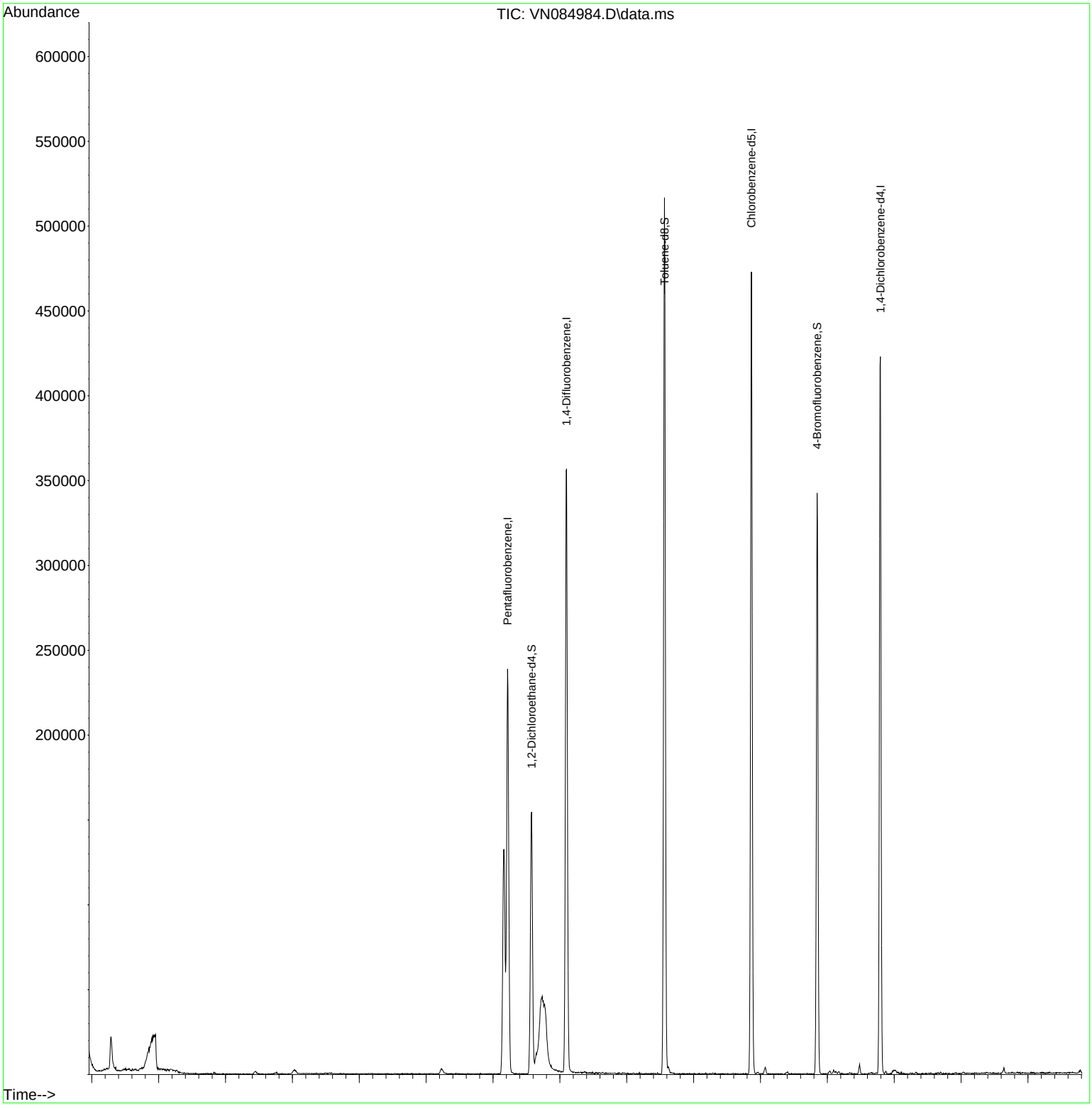
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127803	53.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.040%			
35) Dibromofluoromethane	8.165	113	98986	47.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.080%			
50) Toluene-d8	10.565	98	352034	45.897	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.800%			
62) 4-Bromofluorobenzene	12.847	95	119438	41.666	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.340%			
Target Compounds						Qvalue
68) m/p-Xylenes	12.076	106	1461	0.394	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	3571	0.518	ug/l	98

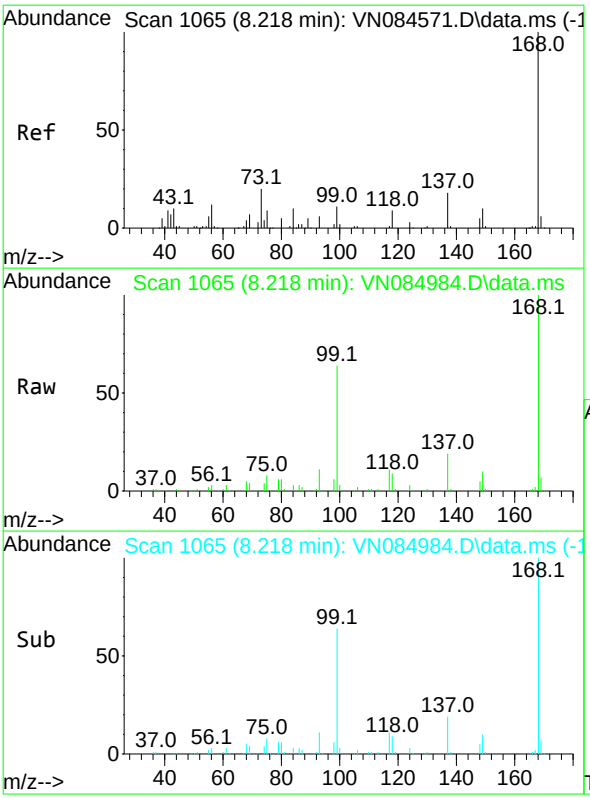
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Time: Nov 21 00:51:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



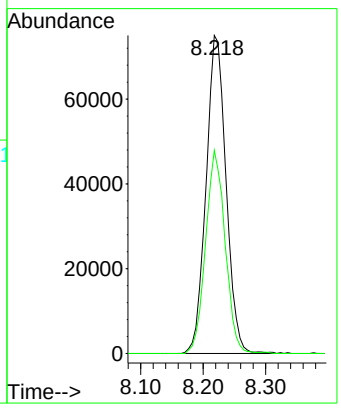


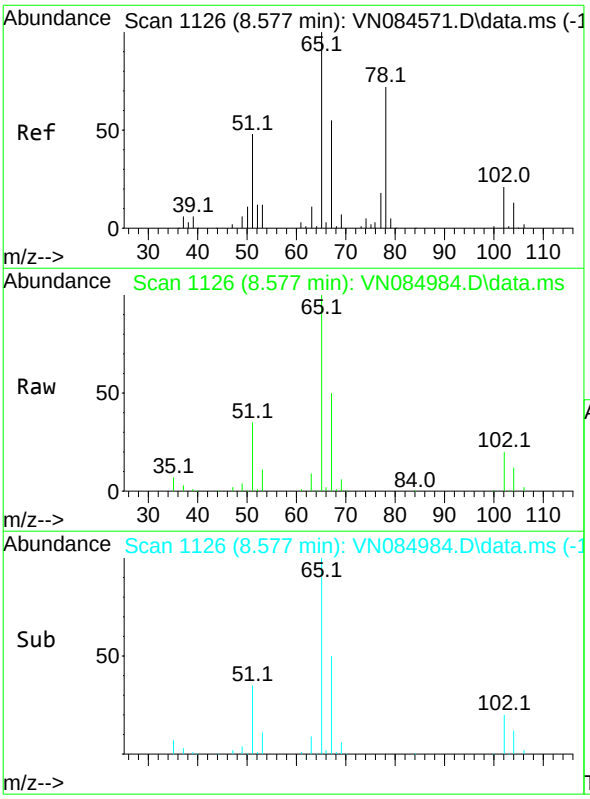
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:168 Resp: 166877

Ion	Ratio	Lower	Upper
168	100		
99	63.8	54.2	81.2

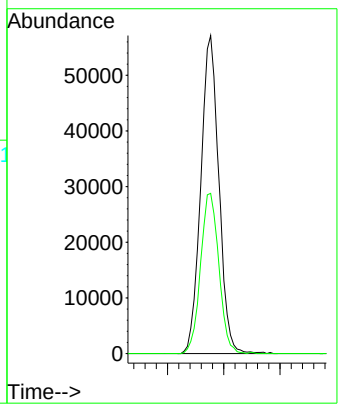


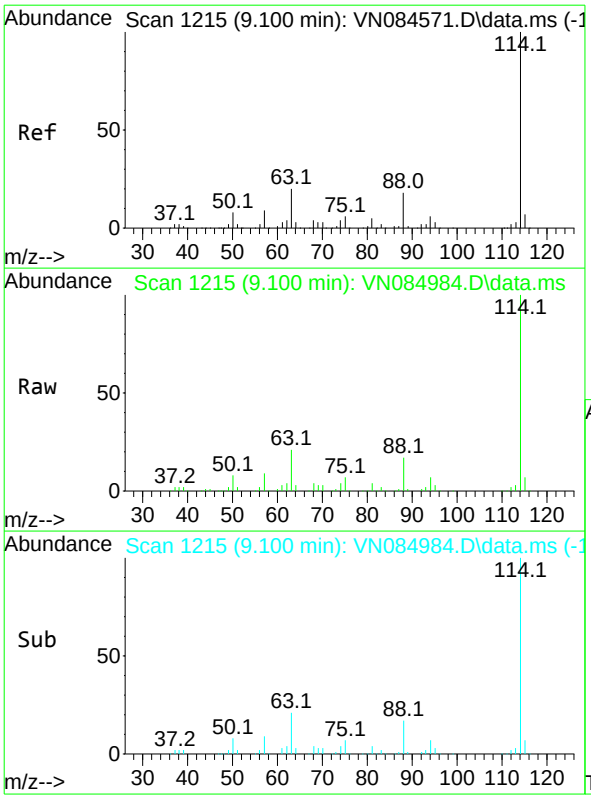


#33
1,2-Dichloroethane-d4
Concen: 53.024 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion: 65 Resp: 127803

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



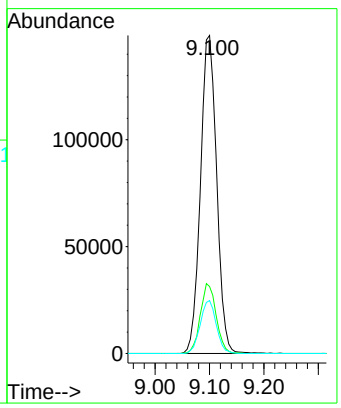


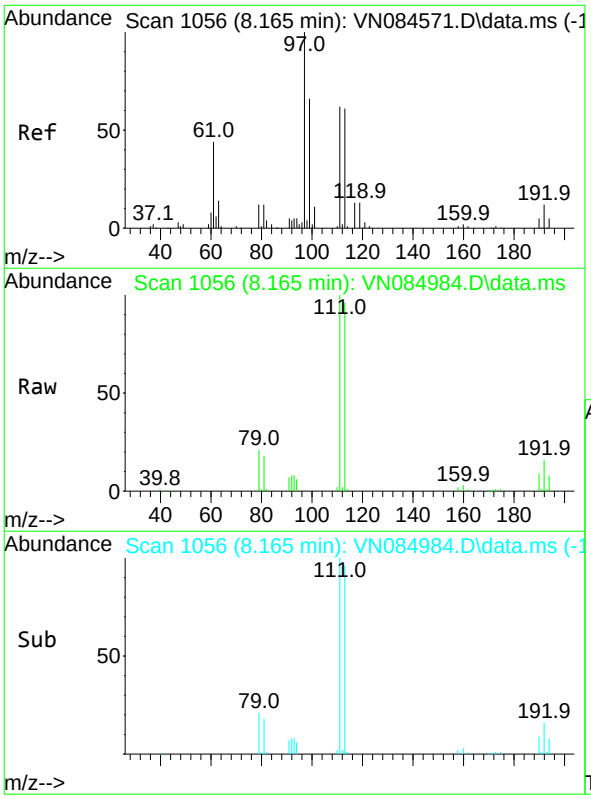
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:114 Resp: 307613

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	16.6	0.0	31.6

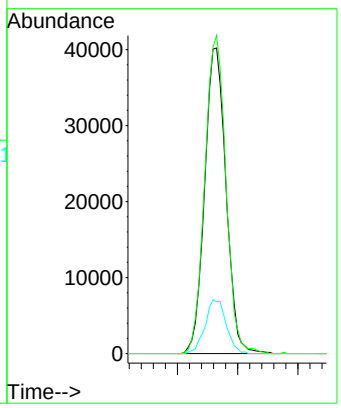


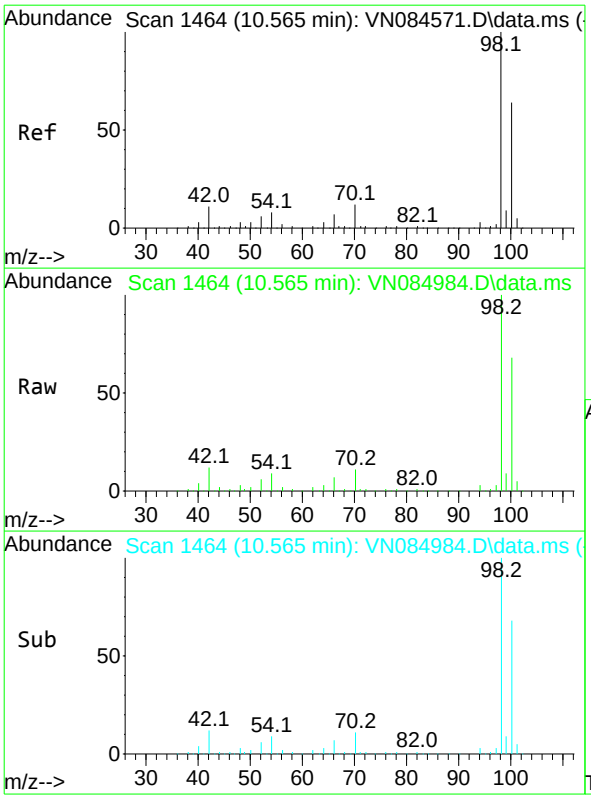


#35
Dibromofluoromethane
Concen: 47.540 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion:113 Resp: 98986

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	17.4	13.5	20.3



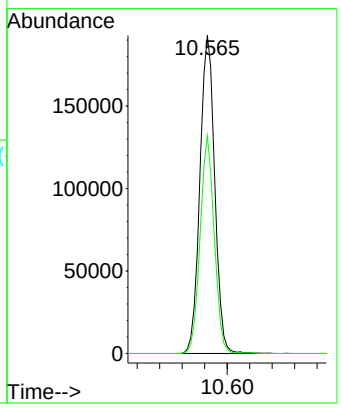


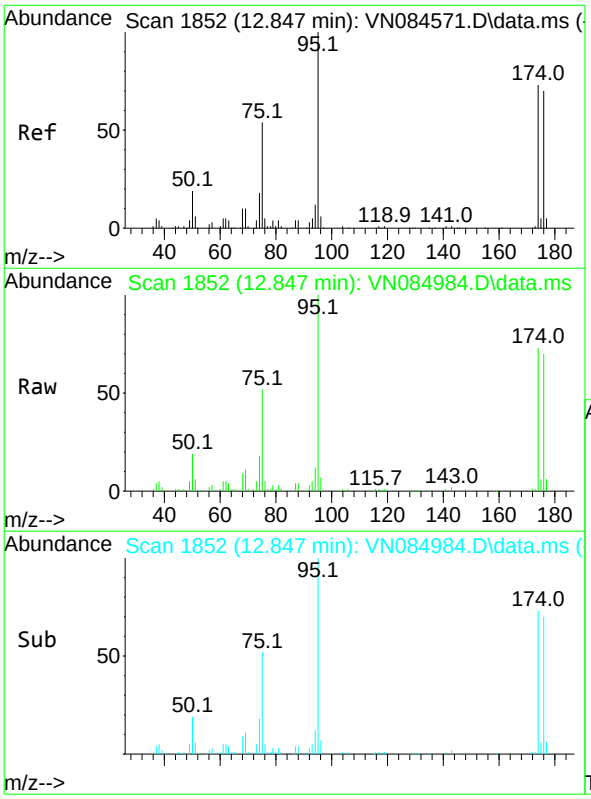
#50
Toluene-d8
Concen: 45.897 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion: 98 Resp: 352034

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

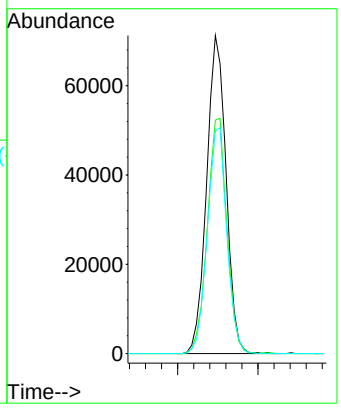


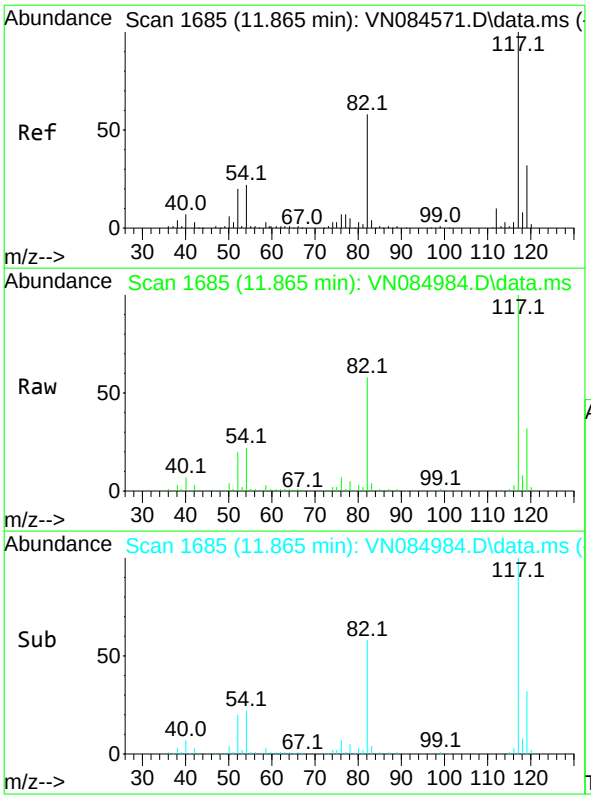


#62
4-Bromofluorobenzene
Concen: 41.666 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion: 95 Resp: 119438

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.2
176	71.0	0.0	140.0



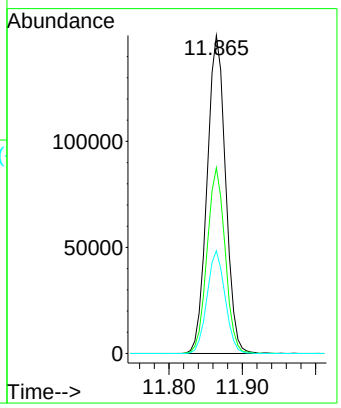


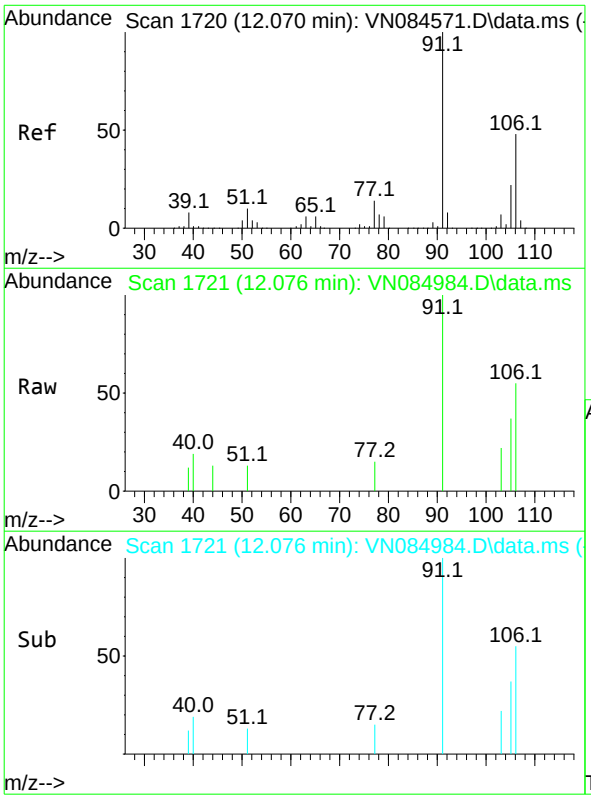
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:117 Resp: 262227

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.2	70.8
119	32.3	25.4	38.0

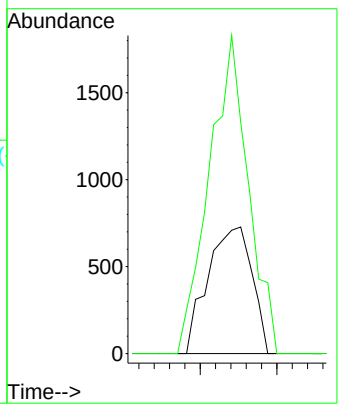


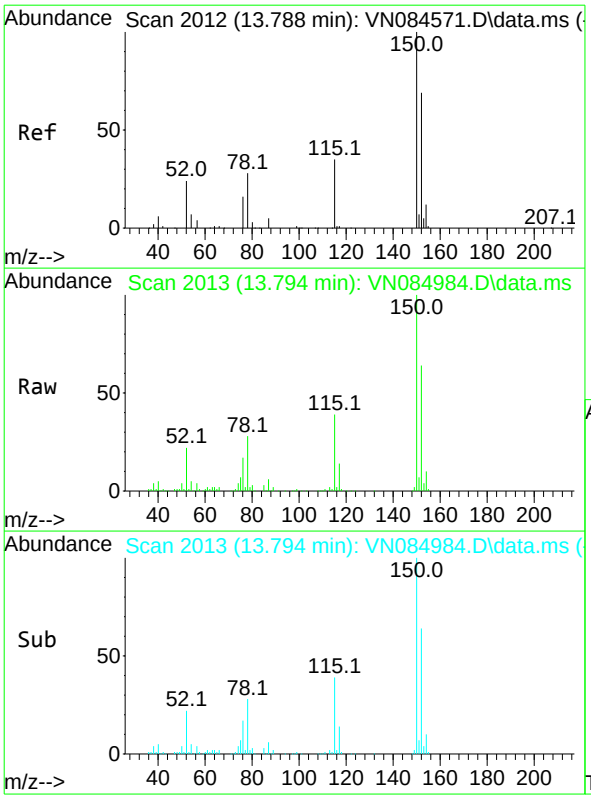


#68
m/p-Xylenes
Concen: 0.394 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion:106 Resp: 1461

Ion	Ratio	Lower	Upper
106	100		
91	221.4	167.1	250.7



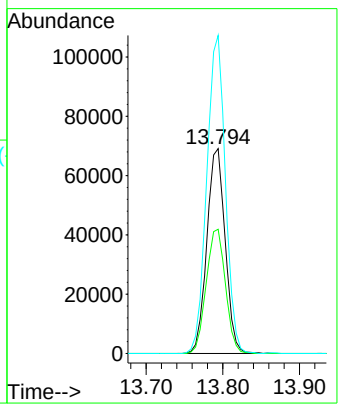


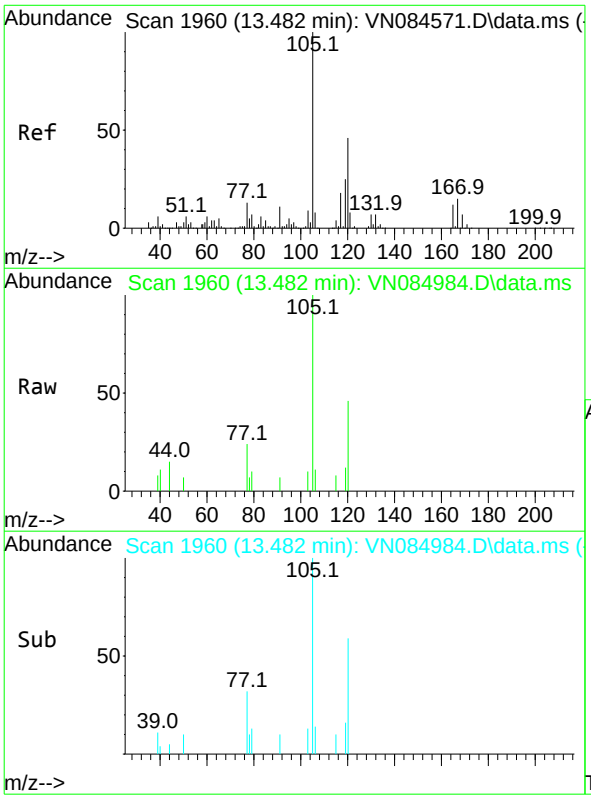
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:152 Resp: 114908

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	157.3	0.0	349.8

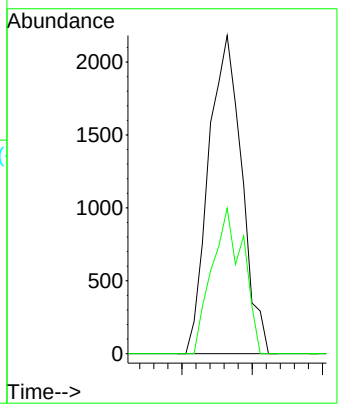




#84
1,2,4-Trimethylbenzene
Concen: 0.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion:105 Resp: 3571

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



Sample Results: **VN084984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

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_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084984.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	66	rBV5	18614	38315	4.09%	0.742%
2	2.853	140	153	154	rBV6	11733	31114	3.32%	0.602%
3	2.918	156	164	165	rVV7	6995	14841	1.58%	0.287%
4	8.165	1046	1056	1060	rBV	132418	324286	34.58%	6.276%
5	8.218	1060	1065	1076	rVB	237998	520534	55.51%	10.074%
6	8.577	1116	1126	1134	rBV	154484	347130	37.02%	6.718%
7	8.724	1134	1151	1152	rBV	38234	110216	11.75%	2.133%
8	9.100	1206	1215	1229	rBV	355099	729969	77.85%	14.127%
9	10.565	1455	1464	1472	rBV	516490	937653	100.00%	18.146%
10	11.865	1677	1685	1695	rBV	472798	814212	86.84%	15.757%
11	12.847	1844	1852	1865	rVB	342534	577224	61.56%	11.171%
12	13.794	2005	2013	2023	rVB	422739	721664	76.96%	13.966%

Sum of corrected areas: 5167158

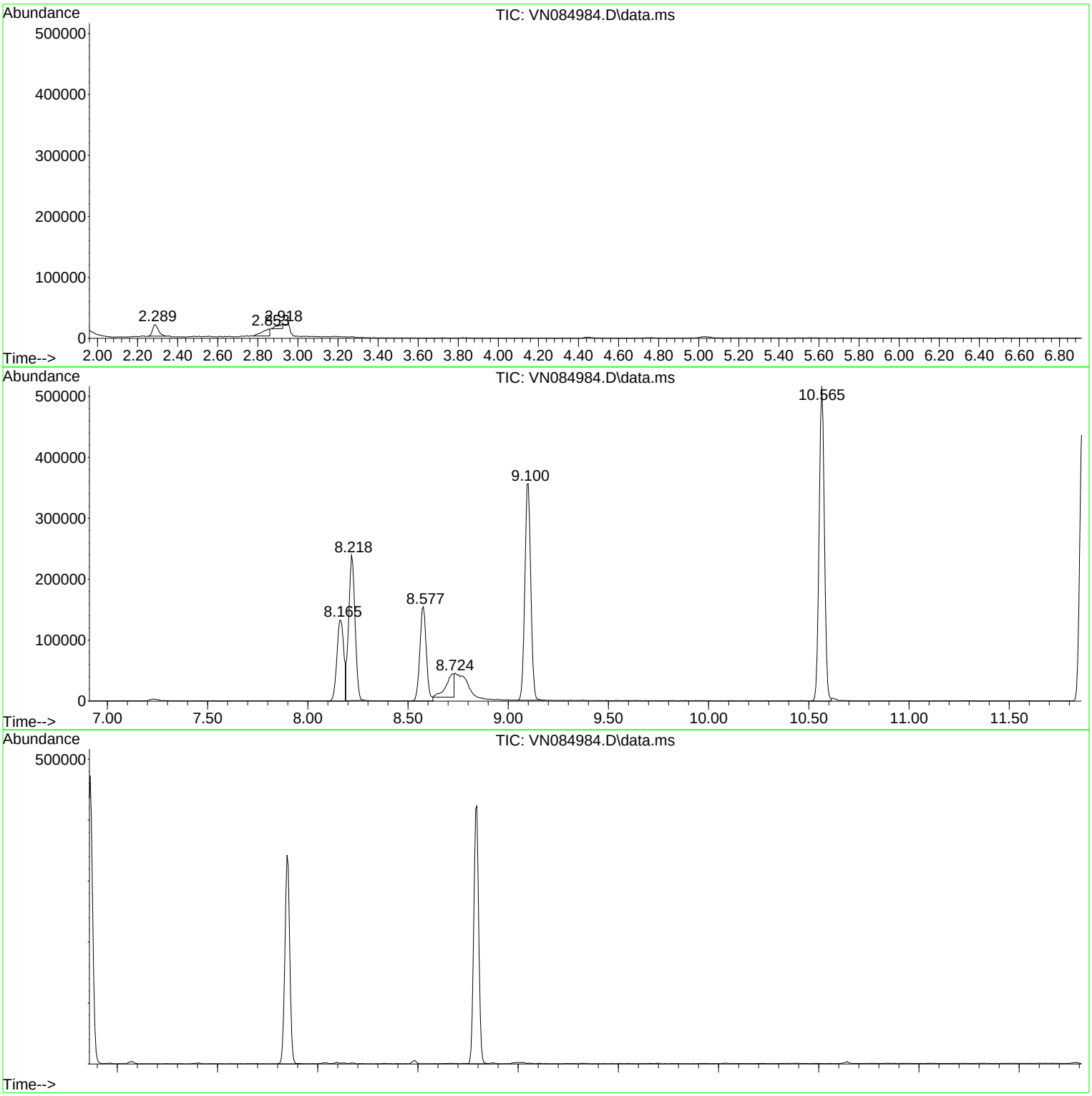
Sample Results: **VN084984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

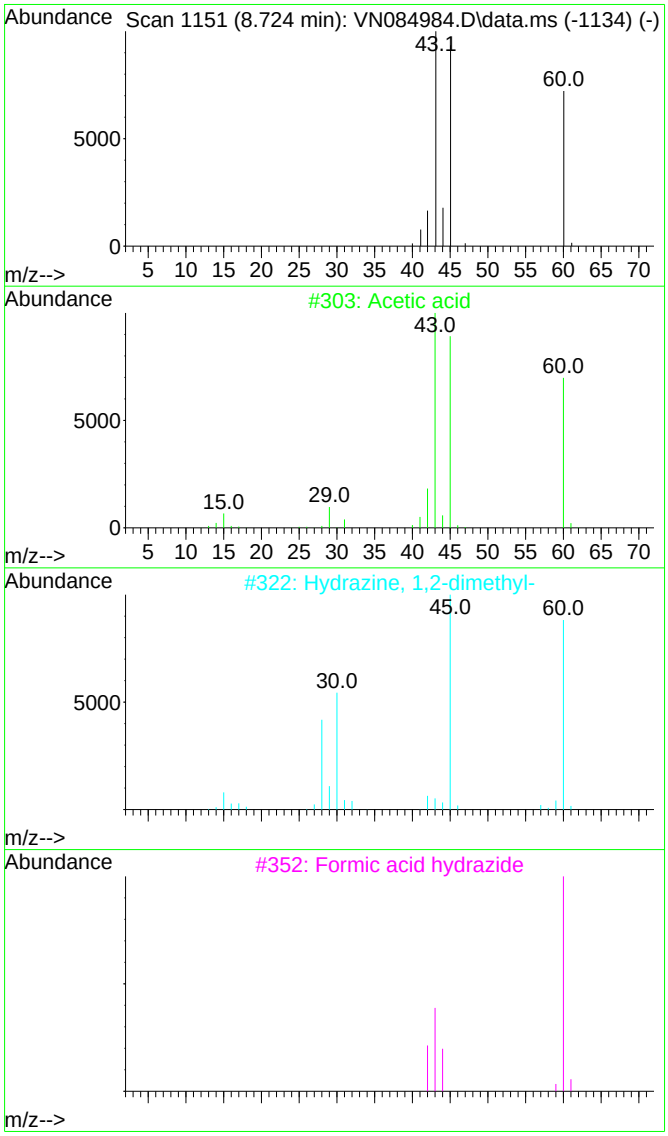
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

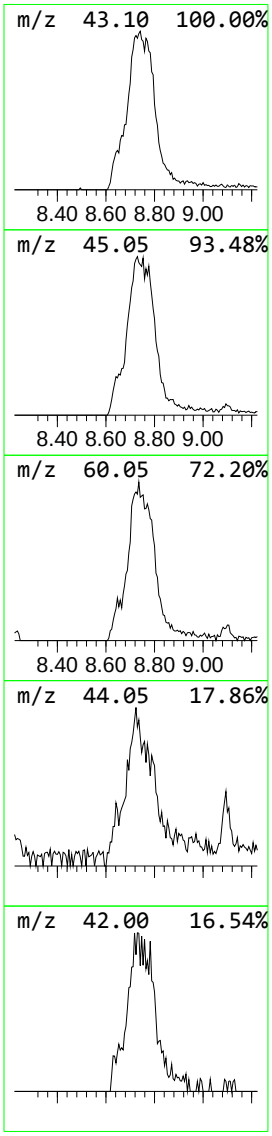
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Acetic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.724	7.55 ug/l	110216	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
3	Formic acid hydrazide	60	CH4N2O	000624-84-0	9
4	Ammonium acetate	77	C2H7NO2	000631-61-8	9
5	Formamidoxime	60	CH4N2O	000624-82-8	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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
Acetic acid	8.724	7.5	ug/l	110216	2	9.100	729969	50.0

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* 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 MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024
Response Via : Initial Calibration

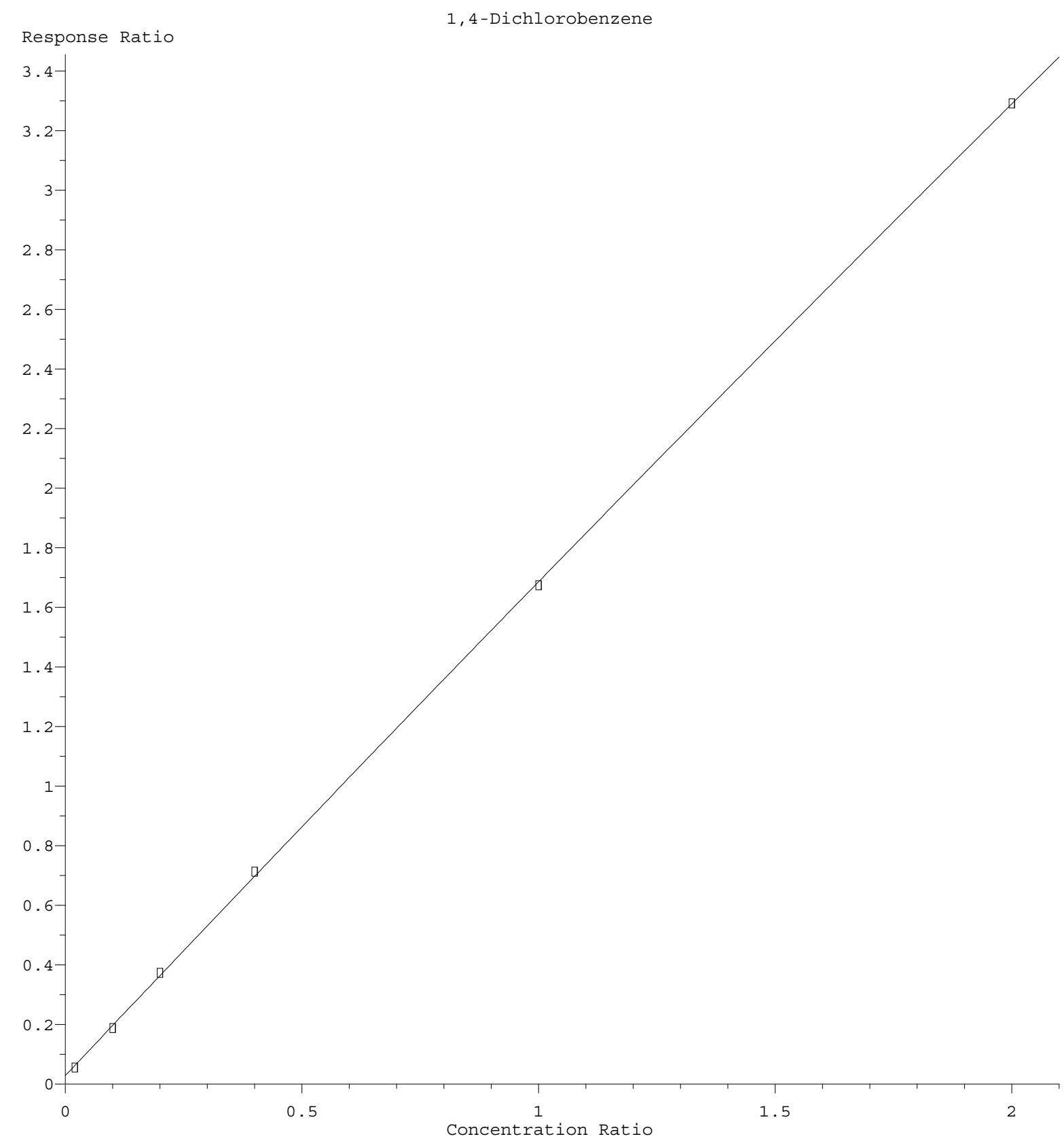
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3)	P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4)	C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5)	T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6)	T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7)	T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8)	T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9)	T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10)	T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11)	T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12)	CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13)	T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14)	T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15)	T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16)	T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17)	T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18)	T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19)	T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20)	T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21)	T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22)	T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23)	T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24)	P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25)	T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26)	T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27)	T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28)	T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29)	T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30)	C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31)	T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32)	T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33)	S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36)	T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37)	T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38)	T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39)	T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40)	TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41)	T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42)	TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43)	T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44)	TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45)	C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46)	T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47)	T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48)	T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50)	S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51)	T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52)	CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53)	T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54)	T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55)	T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

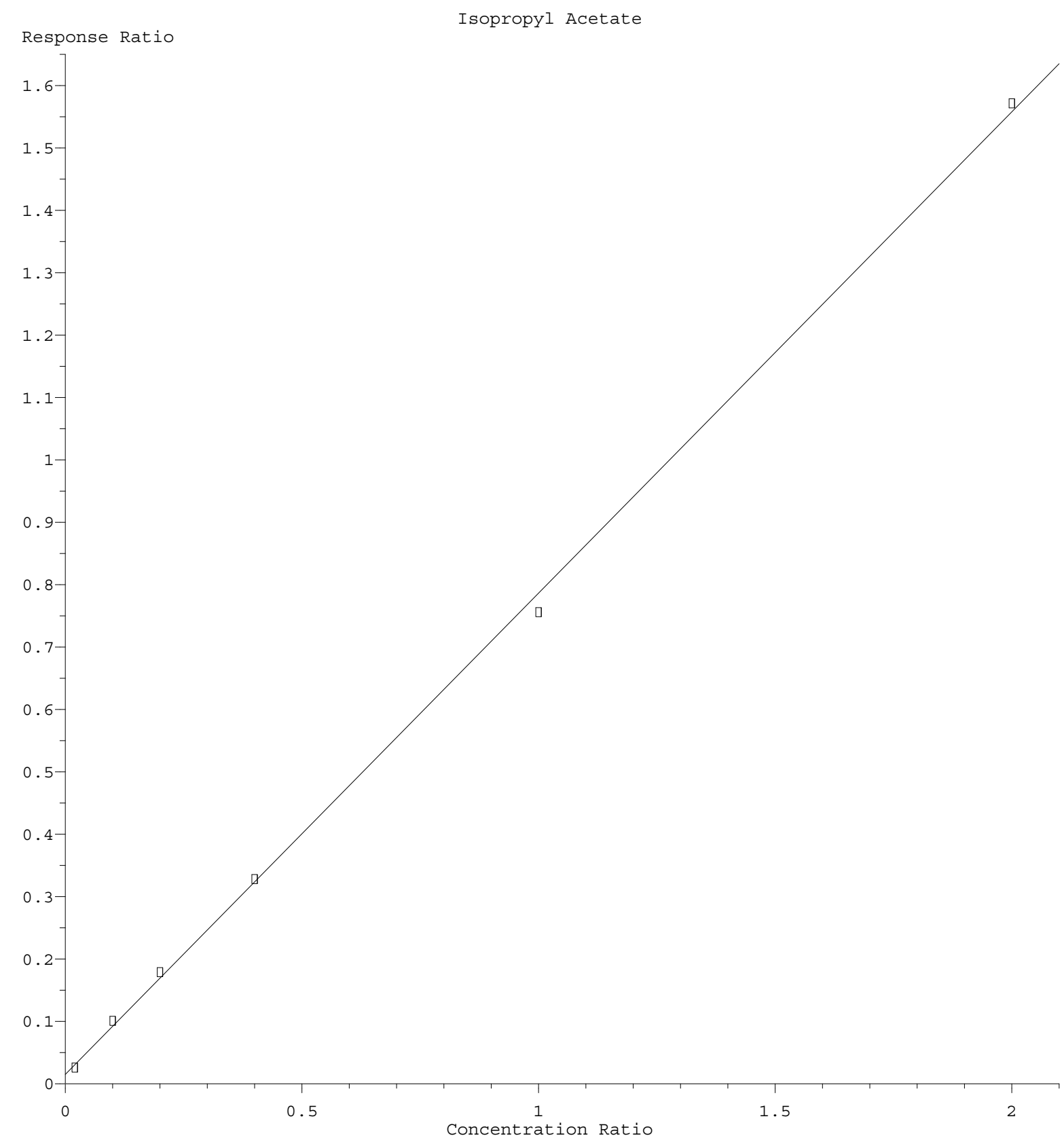
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...		0.454	0.451	0.450	0.493	0.481	0.466	4.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...		0.431	0.446	0.423	0.401	0.406	0.421	4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

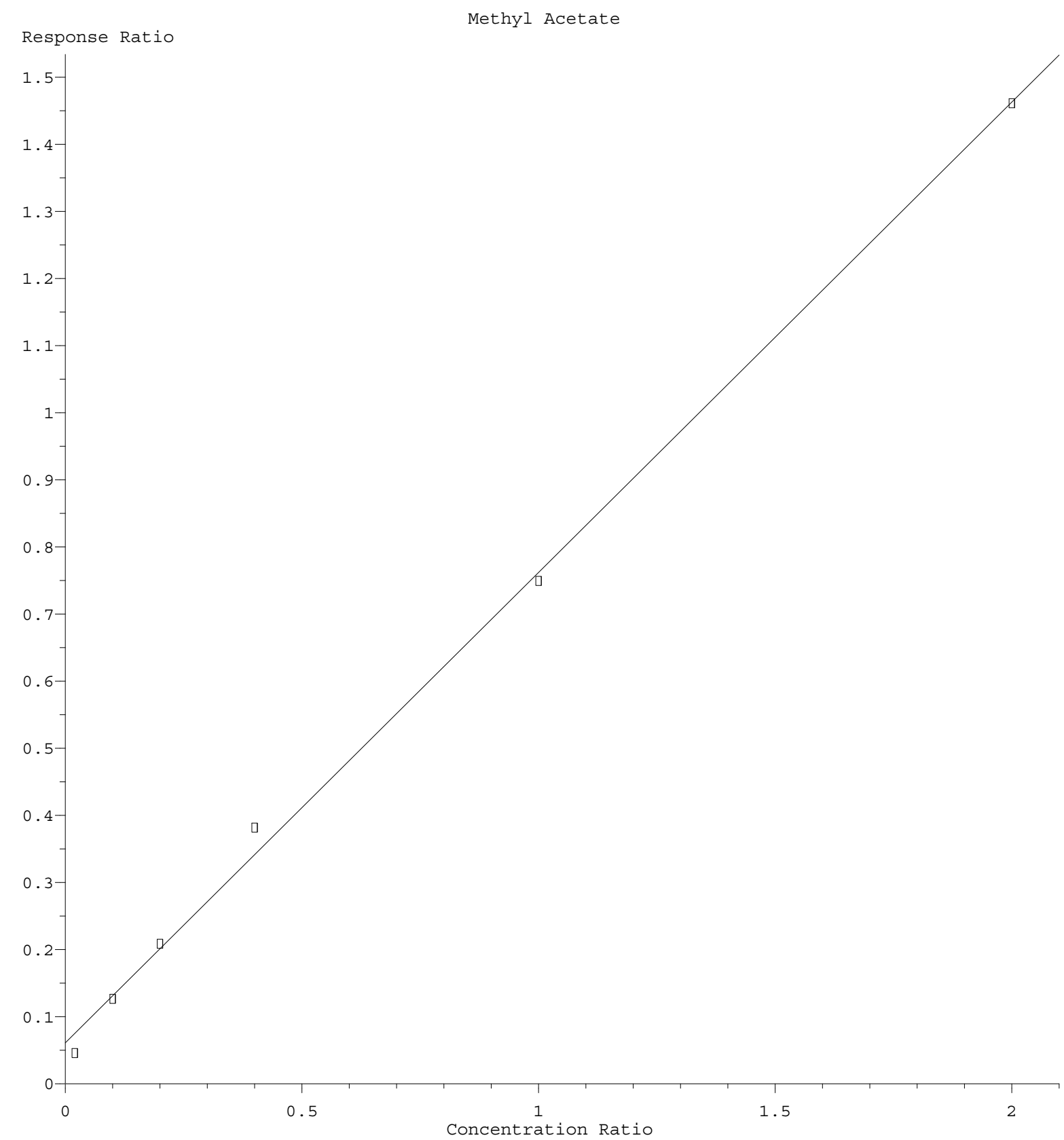
(#) = Out of Range



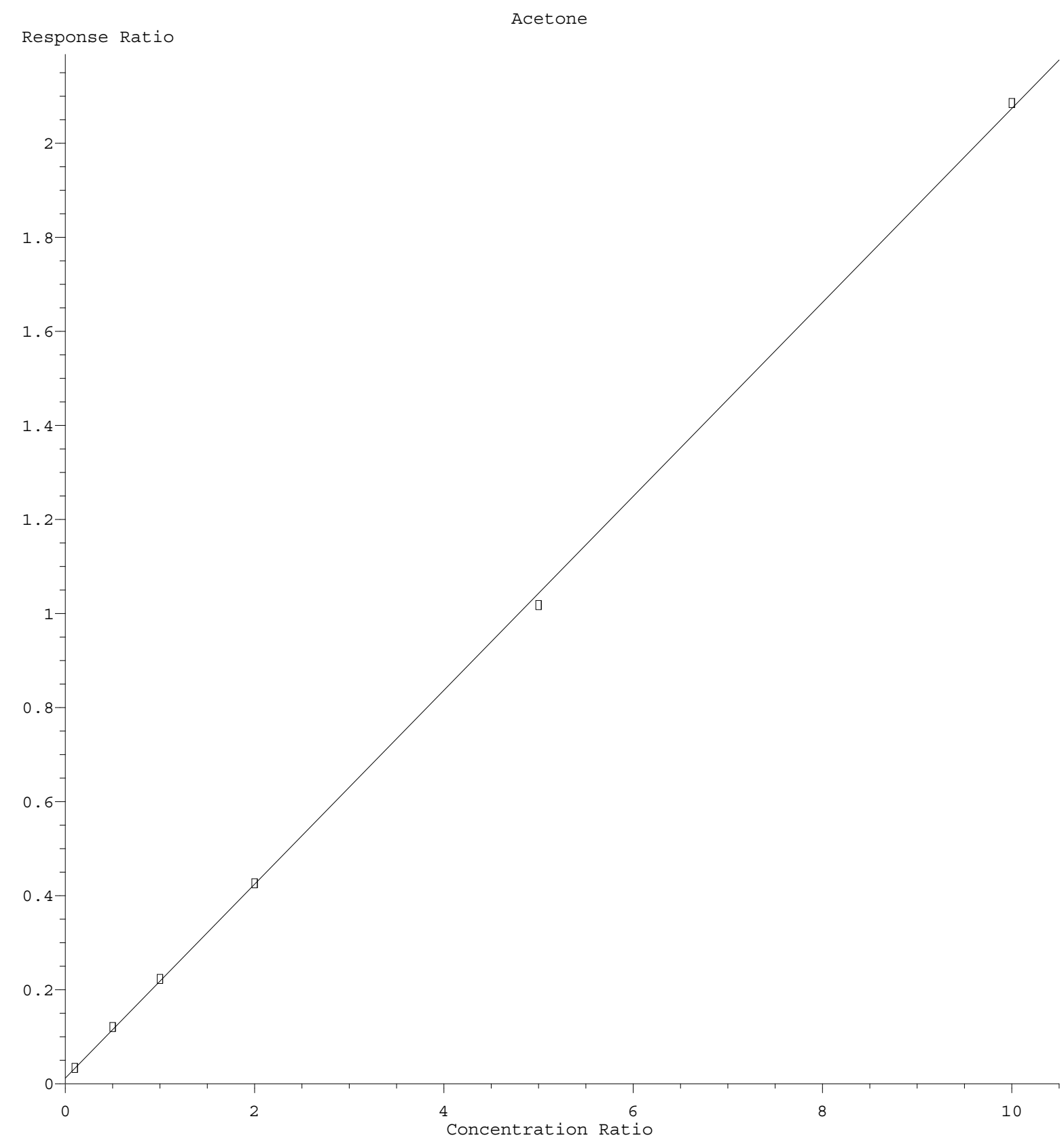
R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



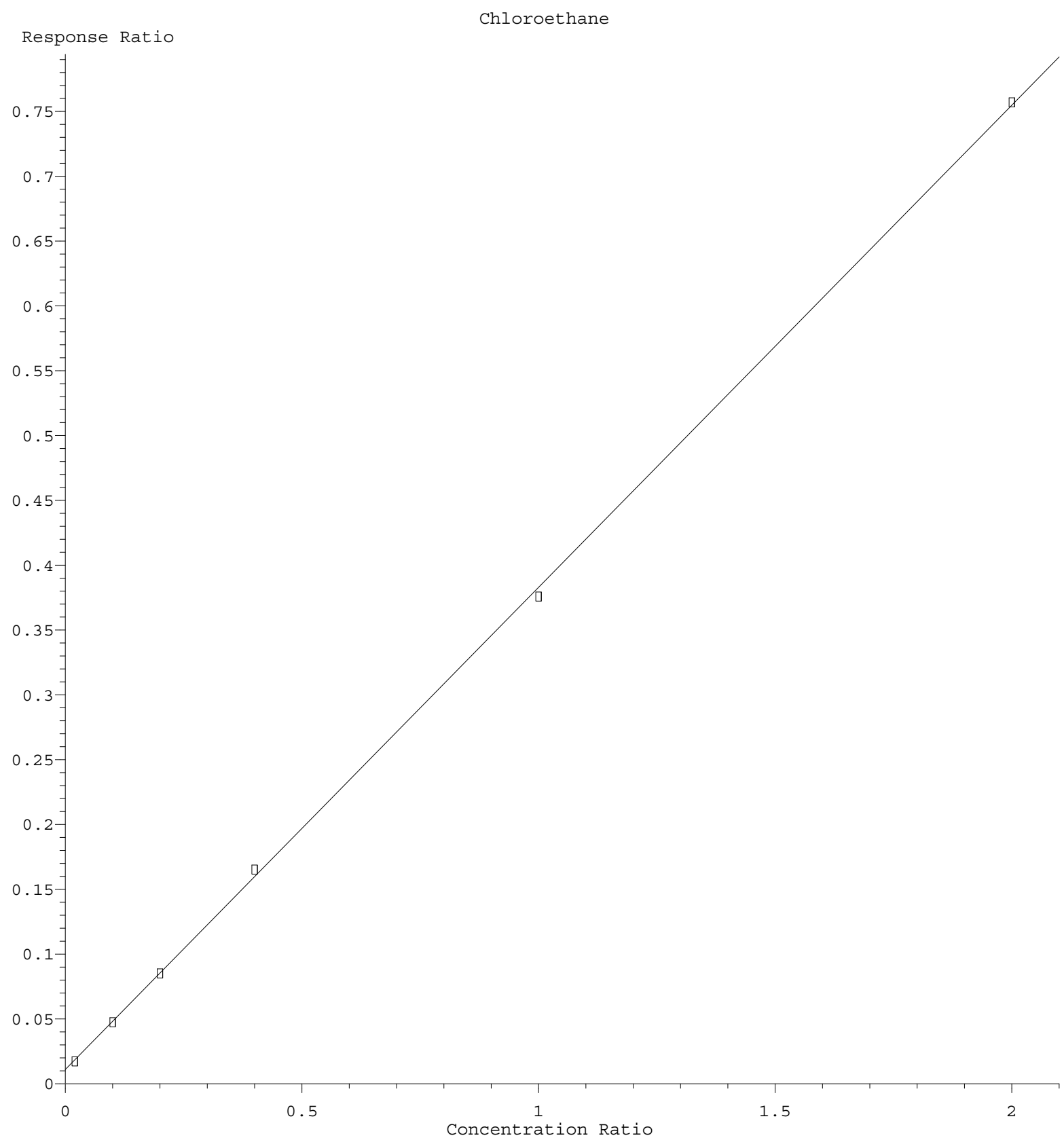
Response = 7.716e-001 * Amt + 1.519e-002
Coef of Det (r^2) = 0.999234 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



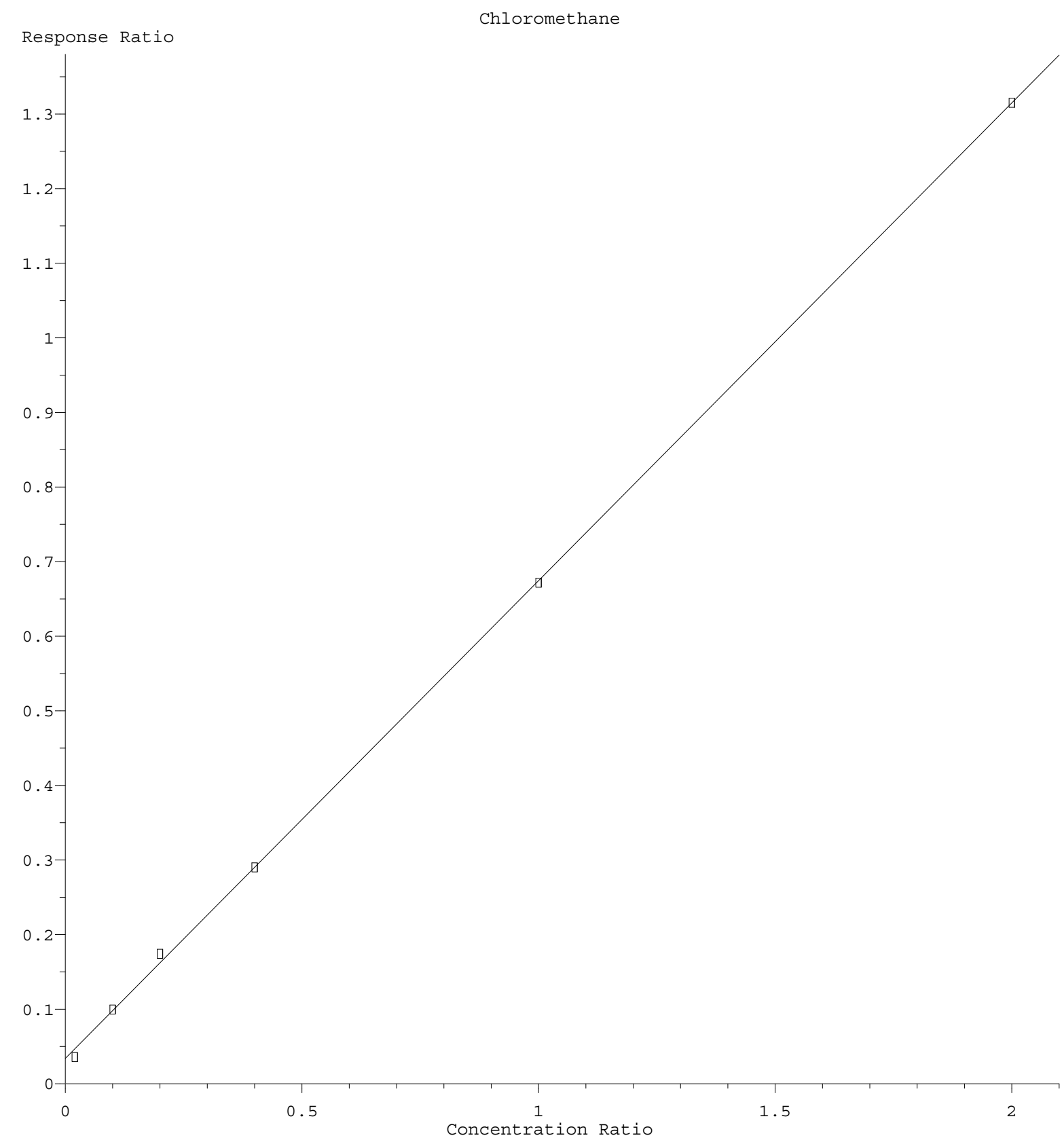
Response = 7.012e-001 * Amt + 6.084e-002
Coef of Det (r^2) = 0.998099 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 3.720e-001 * Amt + 1.067e-002
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 6.405e-001 * Amt + 3.399e-002
Coef of Det (r^2) = 0.999766 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446 ug/l	
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

ICAL Form

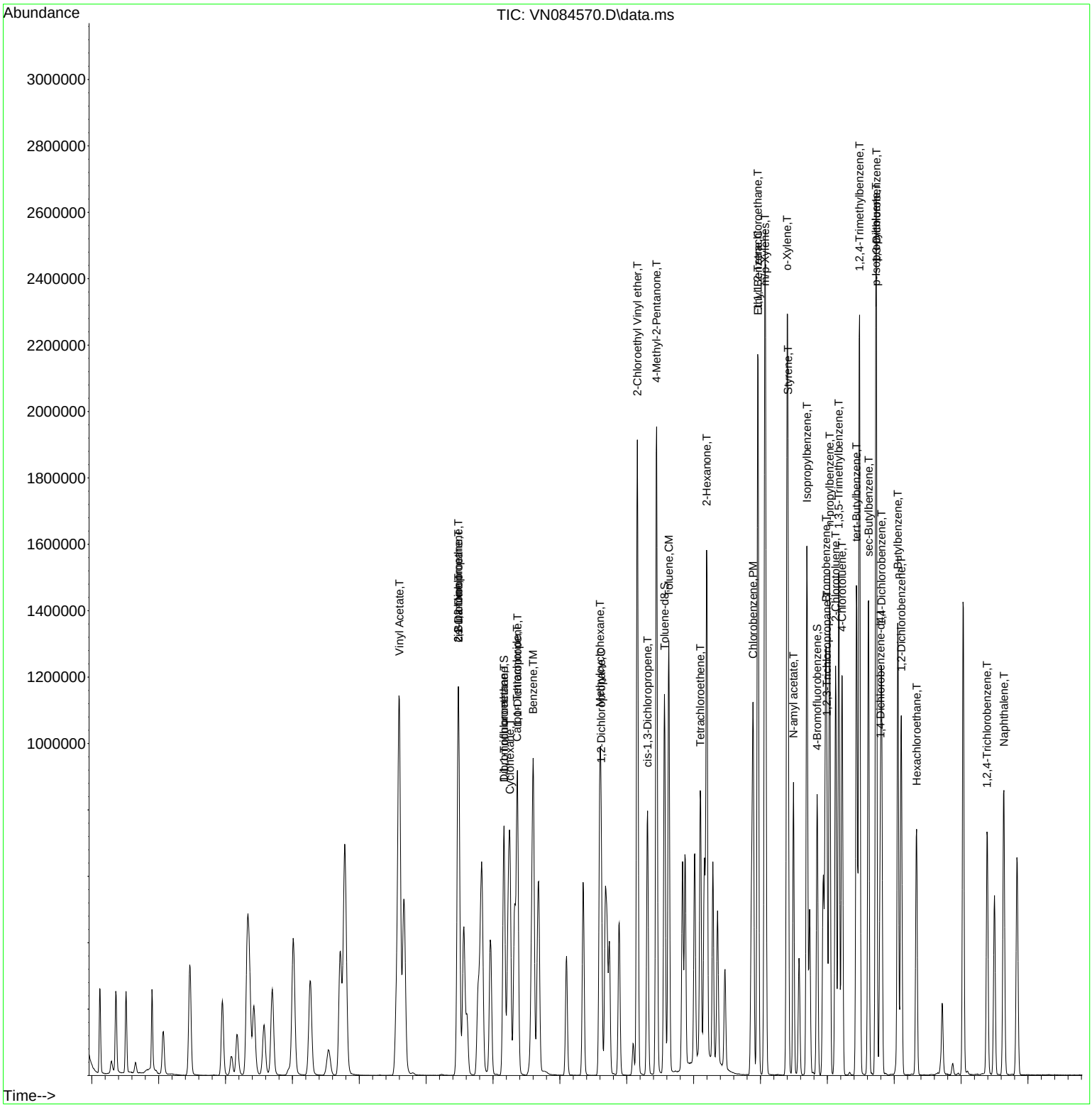
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814 ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614 ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004 ug/l	99
44) Trichloroethene	9.353	130	104498	48.241 ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154 ug/l	95
46) Dibromomethane	9.706	93	76019	48.895 ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525 ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212 ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254 ug/l	98
52) Toluene	10.629	92	280034	50.978 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487 ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150 ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210 ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615 ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078 ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034 ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088 ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252 ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646 ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053 ug/l	98
69) o-Xylene	12.394	106	192710	52.183 ug/l	99
70) Styrene	12.412	104	336570	52.245 ug/l	99
71) Bromoform	12.576	173	82245	50.303 ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942 ug/l	99
74) N-amyl acetate	12.494	43	211326	51.228 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939 ug/l	
77) Bromobenzene	12.982	156	122062	46.847 ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587 ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612 ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097 ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518 ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102 ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658 ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276 ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711 ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451 ug/l	98
95) Naphthalene	15.635	128	384553	48.037 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

ICAL Form

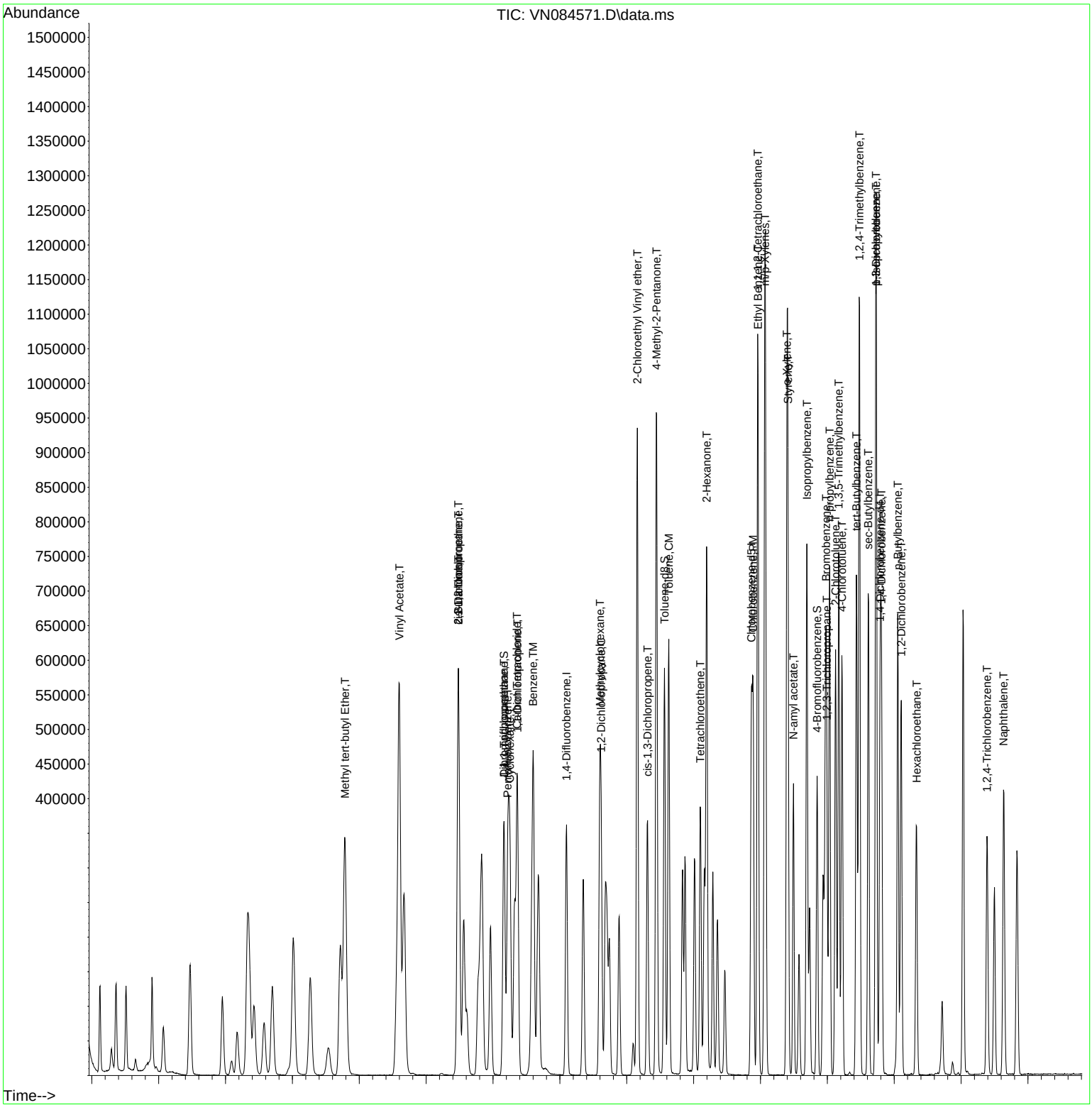
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882 ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180 ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277 ug/l		98
44) Trichloroethene	9.347	130	44176	19.862 ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229 ug/l		93
46) Dibromomethane	9.706	93	32857	20.583 ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997 ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466 ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417 ug/l		100
52) Toluene	10.629	92	117530	20.838 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208 ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141 ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613 ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786 ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735 ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665 ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070 ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054 ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125 ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651 ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732 ug/l		99
69) o-Xylene	12.400	106	77396	21.214 ug/l		99
70) Styrene	12.412	104	133059	20.907 ug/l		96
71) Bromoform	12.576	173	32901	20.369 ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127 ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414 ug/l		
77) Bromobenzene	12.976	156	48017	19.550 ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024 ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070 ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102 ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783 ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255 ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458 ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139 ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362 ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523 ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066 ug/l		96
95) Naphthalene	15.635	128	153972	20.404 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

ICAL Form

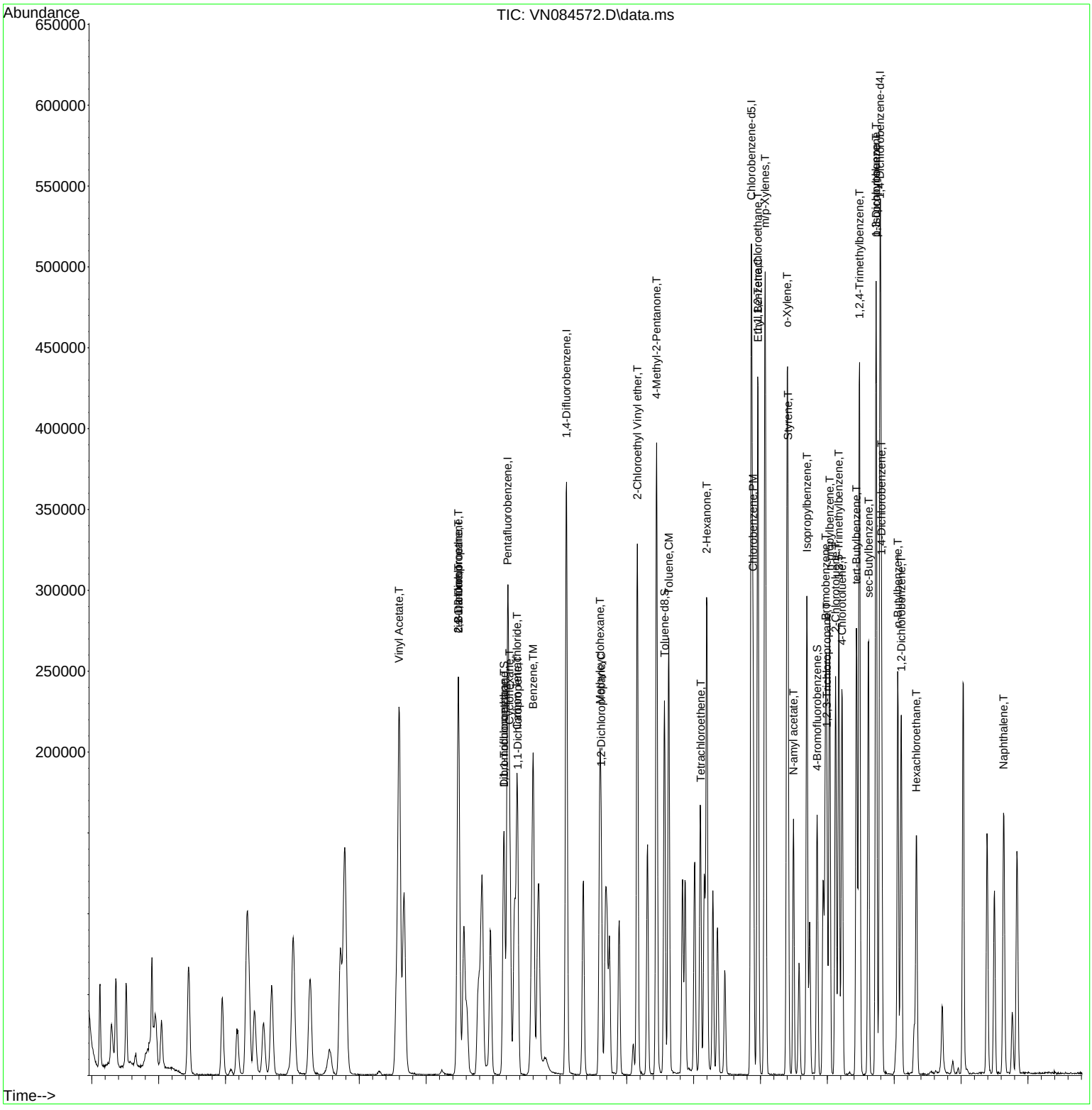
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336 ug/l		
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

ICAL Form

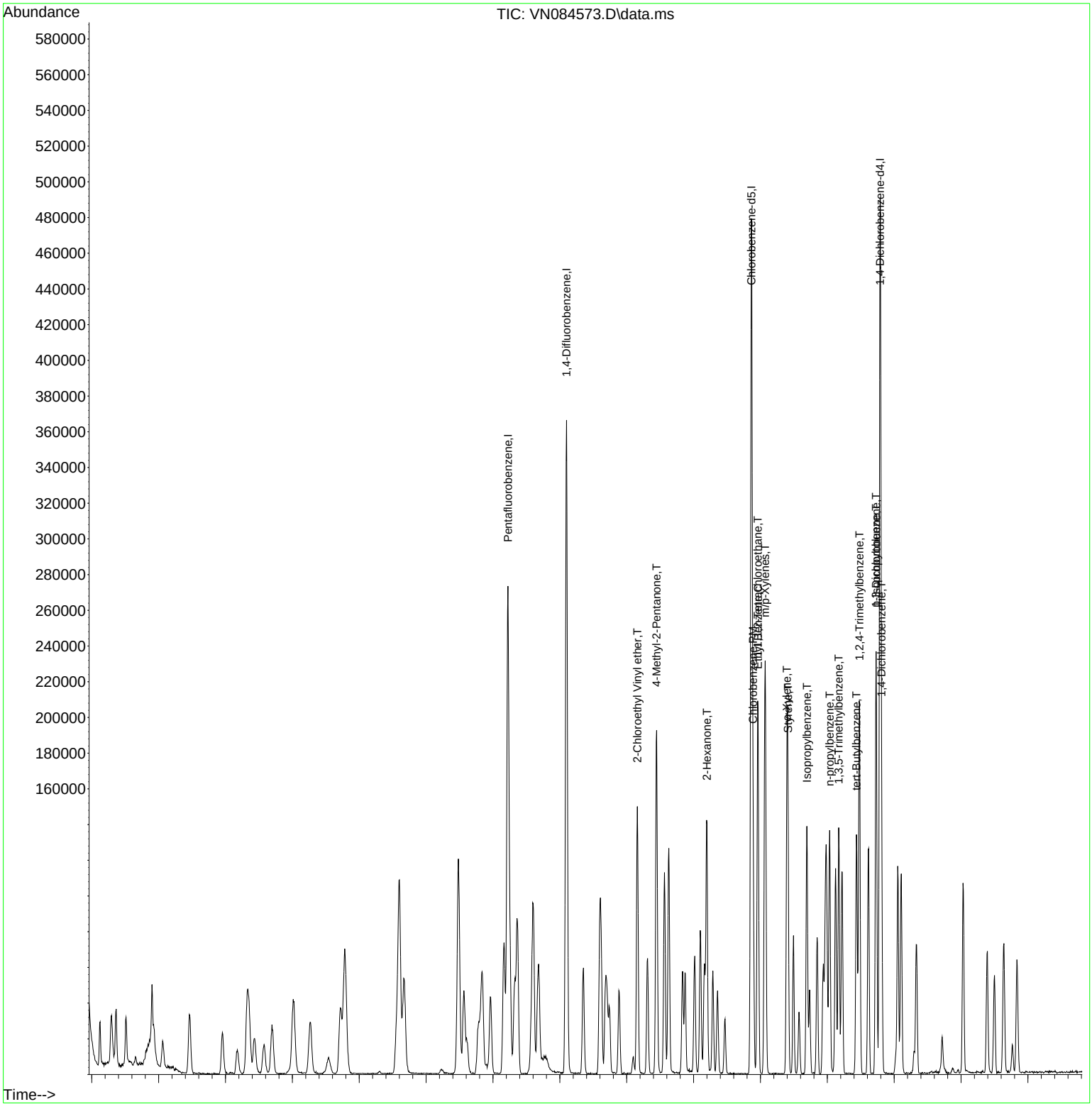
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.680%#			
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.440%#			
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.760%#			
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l		
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

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

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

ICAL Form

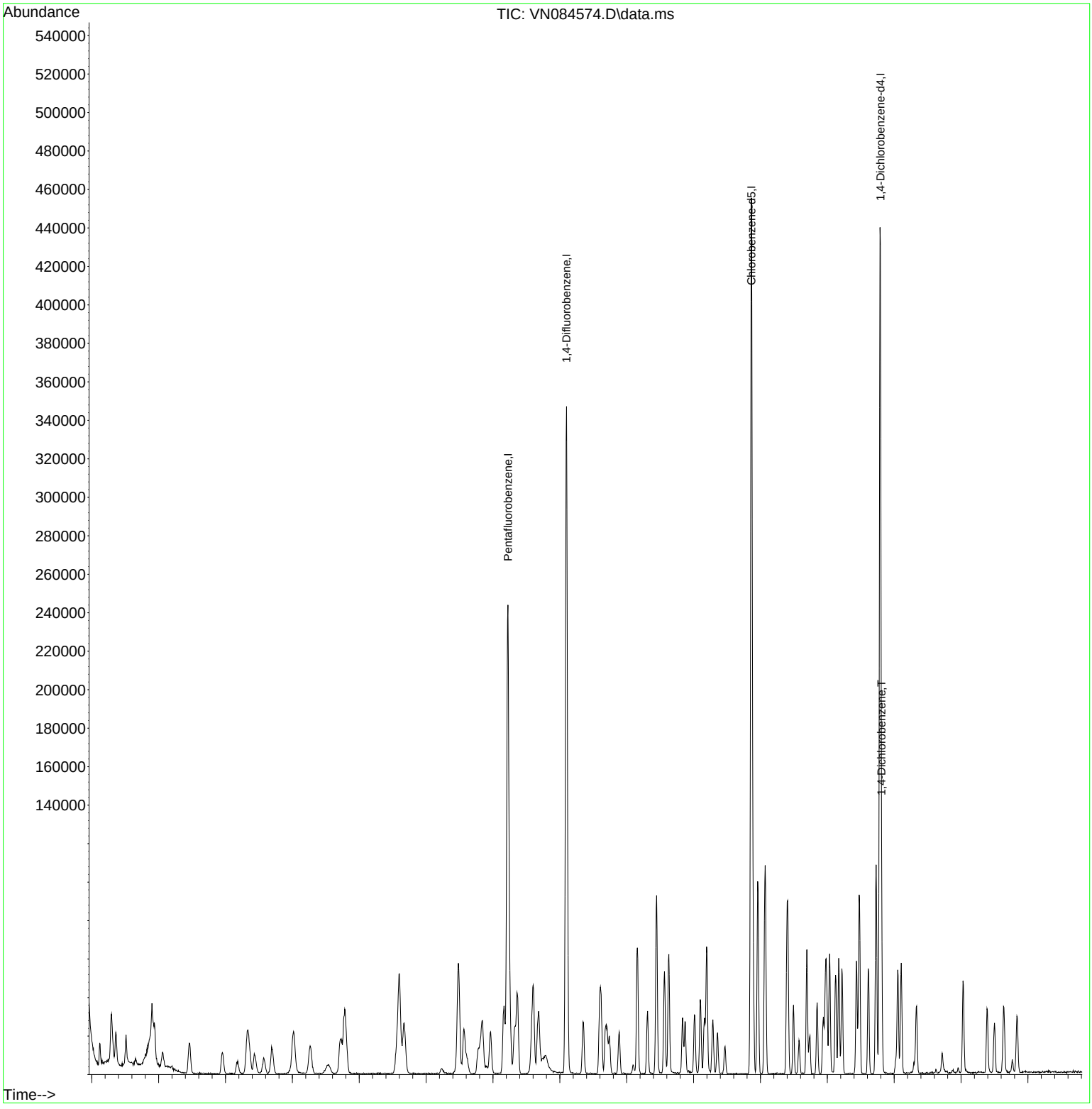
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l		100
3) Chloromethane	2.365	50	6046	1.880	ug/l	#	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l		89
6) Chloroethane	3.083	64	2917	0.885	ug/l		98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l	#	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l		90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l	#	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l	#	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l	#	55
16) Acetone	4.430	43	5707m	5.302	ug/l		
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l	#	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l	#	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l		95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l	#	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l	#	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l	#	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l		96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l	#	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l	#	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l	#	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l	#	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l	#	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l		96
30) Chloroform	7.965	83	3463	0.914	ug/l		87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l	#	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l		97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l	#	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l	#	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l		89
40) Benzene	8.600	78	9169	1.021	ug/l		94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l	#	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l		81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l	#	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l		74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263 ug/l	
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801 ug/l	
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

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

ICAL Form

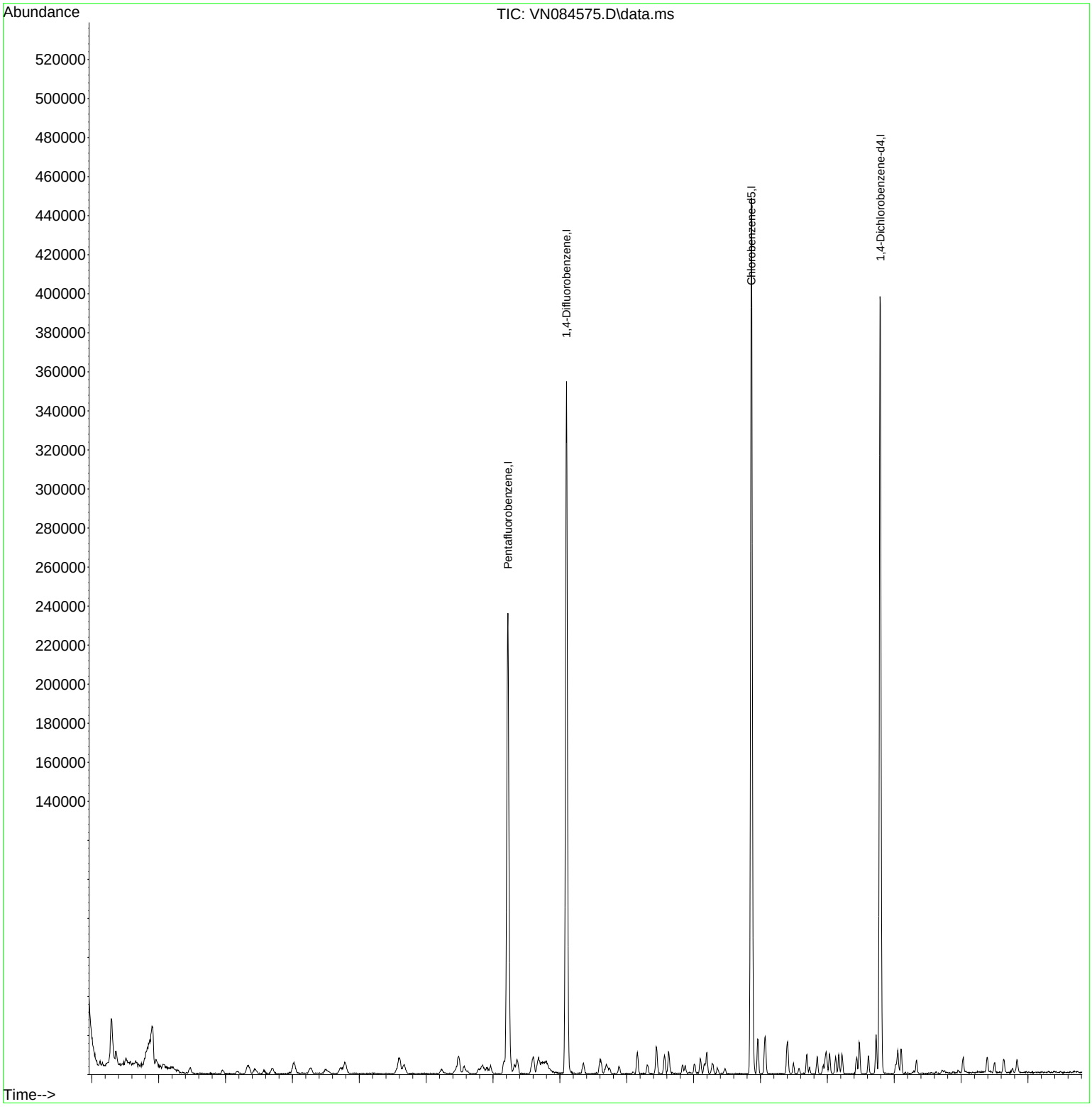
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988	ug/l		
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

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

ICAL Form

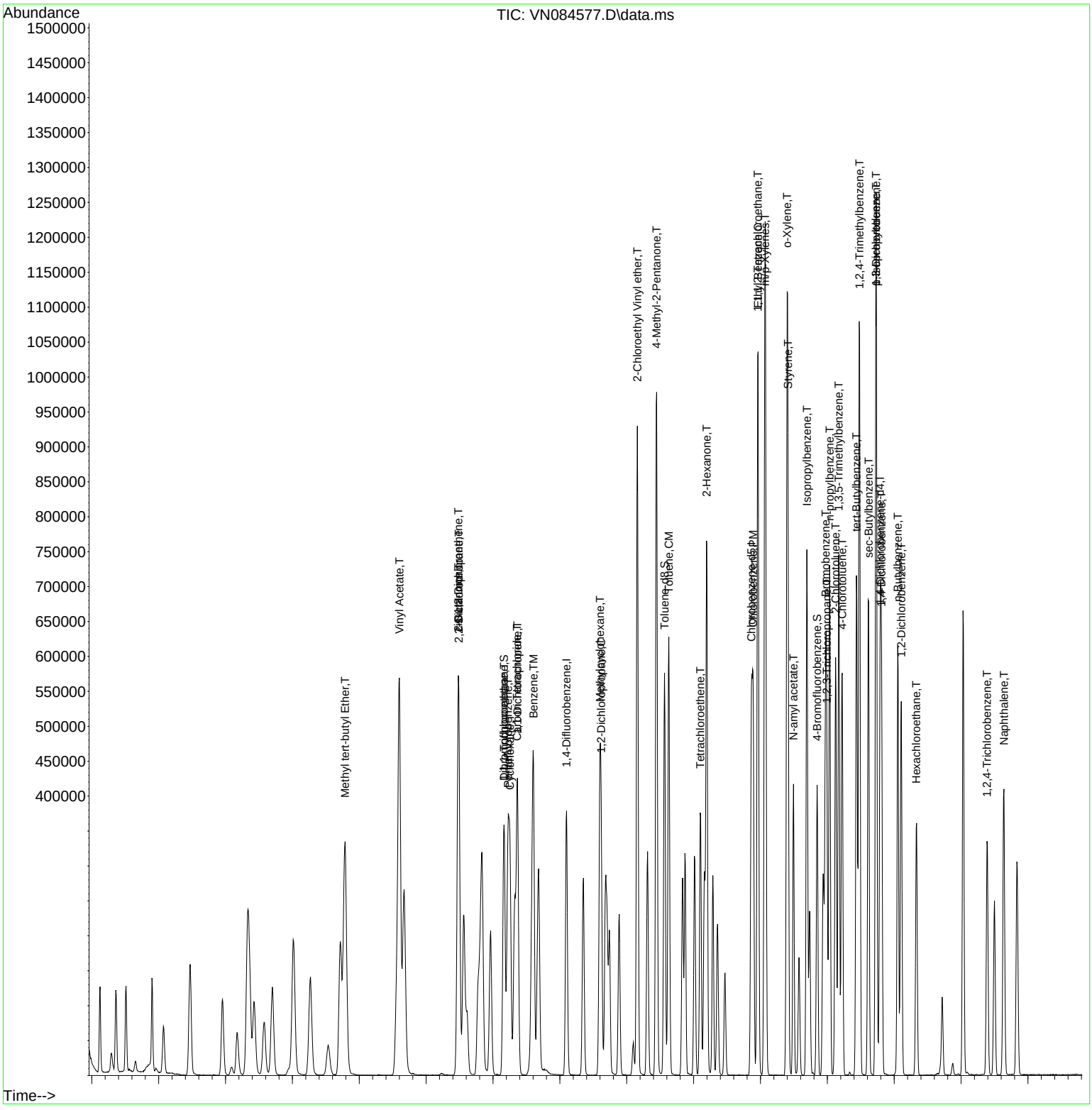
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3	P	Chloromethane	0.952	0.614	35.5#	94	0.00
4	C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5	T	Bromomethane	0.328	0.285	13.1	99	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8	T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10	T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11	T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12	CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13	T	Acrolein	0.095	0.083	12.6	97	0.00
14	T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15	T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16	T	Acetone	0.238	0.204	14.3	103	0.00
17	T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20	T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22	T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23	T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24	P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25	T	2-Butanone	0.337	0.320	5.0	105	0.00
26	T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28	T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29	T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30	C	Chloroform	1.121	1.061	5.4#	101	0.00
31	T	Cyclohexane	0.997	0.898	9.9	99	0.00
32	T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36	T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37	T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38	T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39	T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40	TM	Benzene	1.507	1.395	7.4	100	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43	T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44	TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45	C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46	T	Dibromomethane	0.250	0.229	8.4	98	0.00
47	T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48	T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
50	S	Toluene-d8	1.247	1.206	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52	CM	Toluene	0.882	0.857	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55	T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56	T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57	T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60	T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61	T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65	PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67	C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68	T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69	T	o-Xylene	0.661	0.668	-1.1	101	0.00
70	T	Styrene	1.154	1.144	0.9	99	0.00
71	P	Bromoform	0.293	0.270	7.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74	T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77	T	Bromobenzene	0.942	0.838	11.0	98	0.00
78	T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79	T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82	T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83	T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86	T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89	T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94	T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95	T	Naphthalene	2.894	2.628	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.762	18.8	94	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_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3	P	Chloromethane	50.000	45.299	9.4	94	0.00
4	C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5	T	Bromomethane	50.000	43.494	13.0	99	-0.05
6	T	Chloroethane	50.000	46.348	7.3	97	-0.05
7	T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8	T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10	T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11	T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12	CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13	T	Acrolein	250.000	218.362	12.7	97	0.00
14	T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15	T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16	T	Acetone	250.000	244.445	2.2	103	0.00
17	T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18	T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20	T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22	T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23	T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25	T	2-Butanone	250.000	237.635	4.9	105	0.00
26	T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28	T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29	T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30	C	Chloroform	50.000	47.316	5.4#	101	0.00
31	T	Cyclohexane	50.000	45.053	9.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36	T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37	T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38	T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39	T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40	TM	Benzene	50.000	46.273	7.5	100	0.00
41	T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43	T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44	TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46	T	Dibromomethane	50.000	45.911	8.2	98	0.00
47	T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48	T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1063.992	-6.4	107	0.00
50	S	Toluene-d8	50.000	48.359	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52	CM	Toluene	50.000	48.616	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56	T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57	T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59	T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60	T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61	T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65	PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68	T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69	T	o-Xylene	50.000	50.538	-1.1	101	0.00
70	T	Styrene	50.000	49.600	0.8	99	0.00
71	P	Bromoform	50.000	46.166	7.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74	T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76	T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77	T	Bromobenzene	50.000	44.500	11.0	98	0.00
78	T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79	T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82	T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83	T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85	T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86	T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89	T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90	T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91	T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94	T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95	T	Naphthalene	50.000	45.408	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.595	18.8	94	0.00

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

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID: RRF005 = VY020338.D RRF010 = VY020339.D RRF020 = VY020340.D
RRF050 = VY020341.D RRF100 = VY020342.D RRF150 = VY020343.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.573	0.448	0.467	0.454	0.465	0.506	0.485	9.8
Chloromethane	0.989	0.788	0.765	0.681	0.589	0.599	0.735	20.3
Vinyl Chloride	0.816	0.722	0.664	0.622	0.572	0.599	0.666	13.6
Bromomethane	0.415	0.391	0.293	0.314	0.280	0.302	0.333	16.9
Chloroethane	0.531	0.376	0.362	0.370	0.334	0.357	0.388	18.3
Trichlorofluoromethane	1.130	0.863	0.896	0.931	0.821	0.910	0.925	11.6
1,1,2-Trichlorotrifluoroethane	0.666	0.508	0.536	0.592	0.479	0.525	0.551	12.3
1,1-Dichloroethene	0.647	0.492	0.536	0.586	0.488	0.524	0.545	11.2
Acetone	0.160	0.110	0.132	0.160	0.141	0.123	0.138	14.7
Carbon Disulfide	2.169	1.635	1.750	2.073	1.647	1.753	1.838	12.4
Methyl tert-butyl Ether	1.574	1.297	1.482	1.399	1.404	1.346	1.417	7
Methyl Acetate	0.388	0.283	0.339	0.302	0.327	0.288	0.321	12.2
Methylene Chloride	0.693	0.546	0.595	0.571	0.543	0.552	0.583	9.8
trans-1,2-Dichloroethene	0.721	0.563	0.627	0.601	0.552	0.571	0.606	10.4
1,1-Dichloroethane	1.461	1.141	1.083	1.137	1.101	1.117	1.173	12.2
Cyclohexane	1.318	1.107	1.004	1.035	0.969	0.991	1.071	12.2
2-Butanone	0.179	0.176	0.168	0.180	0.197	0.165	0.177	6.5
Carbon Tetrachloride	0.575	0.500	0.500	0.478	0.483	0.533	0.511	7.2
cis-1,2-Dichloroethene	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.9
Bromochloromethane	0.534	0.553	0.441	0.509	0.450	0.476	0.494	9.2
Chloroform	1.198	1.161	1.069	1.236	1.064	1.072	1.133	6.6
1,1,1-Trichloroethane	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.3
Methylcyclohexane	0.695	0.587	0.612	0.583	0.570	0.630	0.613	7.5
Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.2
1,2-Dichloroethane	0.416	0.372	0.398	0.364	0.386	0.389	0.387	4.8
Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.5
1,2-Dichloropropane	0.374	0.331	0.348	0.319	0.334	0.347	0.342	5.5
Bromodichloromethane	0.525	0.458	0.479	0.492	0.463	0.490	0.484	5
4-Methyl-2-Pentanone	0.210	0.190	0.219	0.246	0.245	0.219	0.221	9.7
Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	6

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID: RRF005 = VY020338.D RRF010 = VY020339.D RRF020 = VY020340.D
RRF050 = VY020341.D RRF100 = VY020342.D RRF150 = VY020343.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.534	0.401	0.446	0.448	0.456	0.463	0.458	9.5
cis-1,3-Dichloropropene	0.541	0.493	0.527	0.505	0.530	0.551	0.524	4.1
1,1,2-Trichloroethane	0.250	0.223	0.263	0.219	0.222	0.221	0.233	8.1
2-Hexanone	0.142	0.135	0.160	0.171	0.177	0.155	0.157	10.3
Dibromochloromethane	0.319	0.273	0.307	0.305	0.297	0.300	0.300	5.1
1,2-Dibromoethane	0.247	0.200	0.221	0.217	0.204	0.206	0.216	8.1
Tetrachloroethene	0.402	0.344	0.401	0.331	0.333	0.350	0.360	9.1
Chlorobenzene	1.258	1.079	1.083	1.144	1.040	1.085	1.115	7
Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.7
m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.4
o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.4
Styrene	1.261	1.128	1.165	1.131	1.131	1.188	1.167	4.5
Bromoform	0.207	0.180	0.195	0.189	0.199	0.194	0.194	4.7
Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	8
1,1,2,2-Tetrachloroethane	0.729	0.646	0.683	0.728	0.676	0.646	0.685	5.4
1,3-Dichlorobenzene	2.072	1.668	1.839	1.848	1.621	1.719	1.794	9.1
1,4-Dichlorobenzene	1.938	1.651	1.709	1.730	1.579	1.679	1.714	7.1
1,2-Dichlorobenzene	1.630	1.401	1.506	1.547	1.414	1.474	1.495	5.7
1,2-Dibromo-3-Chloropropane	0.130	0.098	0.108	0.119	0.113	0.105	0.112	10
1,2,4-Trichlorobenzene	0.974	0.841	0.856	0.894	0.900	0.958	0.904	5.9
1,2,3-Trichlorobenzene	0.817	0.784	0.721	0.748	0.762	0.806	0.773	4.7
1,2-Dichloroethane-d4	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.3
Dibromofluoromethane	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.2
Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.9
4-Bromofluorobenzene	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.5

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

Response Factor Report GCVOA_Y

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y111924S.M
Title : SW846 8260
Last Update : Wed Nov 20 04:38:24 2024
Response Via : Initial Calibration

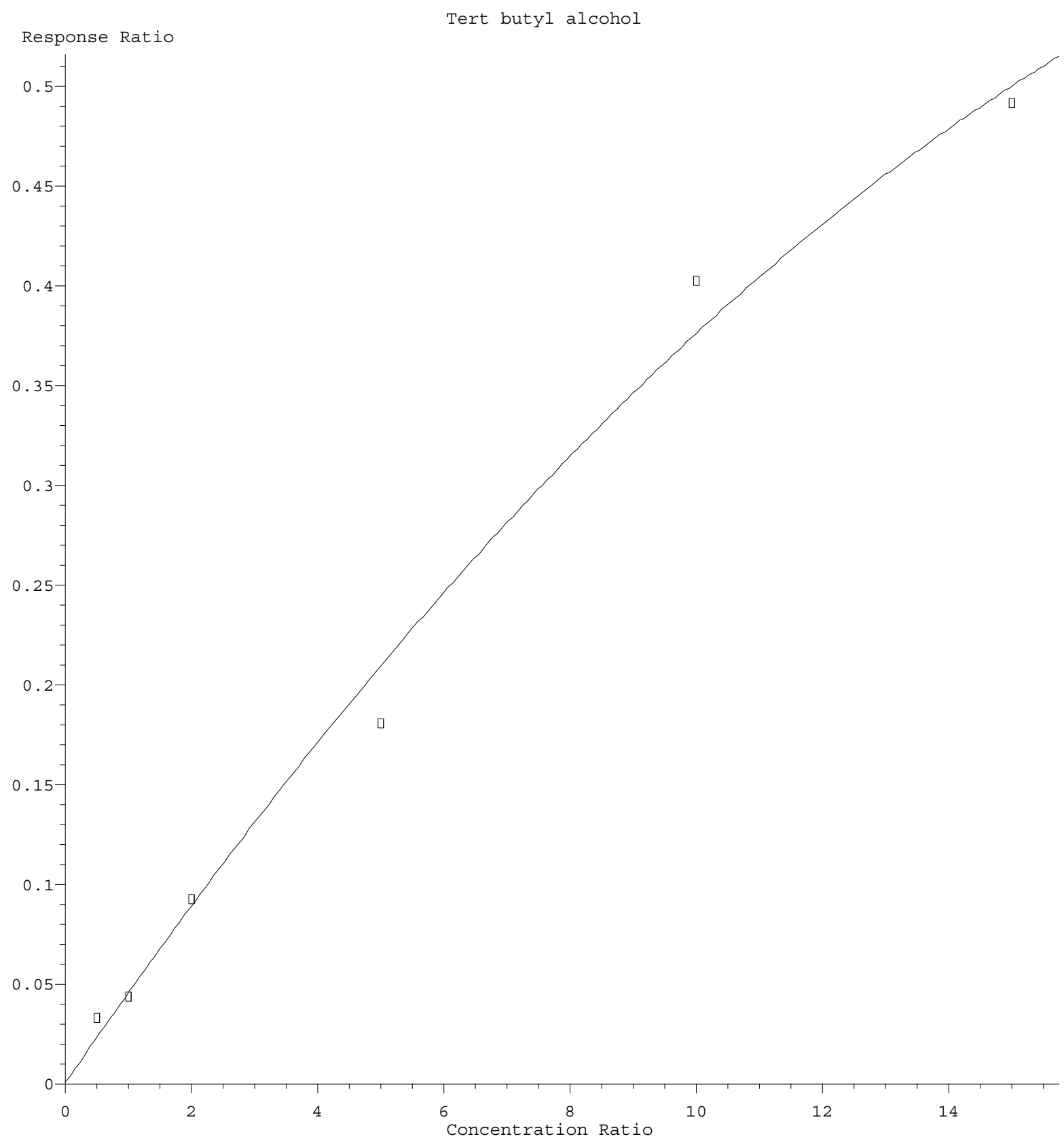
Calibration Files
5 =VY020338.D 10 =VY020339.D 20 =VY020340.D 50 =VY020341.D 100 =VY020342.D 150 =VY020343.D

		Compound	5	10	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.573	0.448	0.467	0.454	0.465	0.506	0.485	9.77
3)	P	Chloromethane	0.989	0.788	0.765	0.681	0.589	0.599	0.735	20.27
4)	C	Vinyl Chloride	0.816	0.722	0.664	0.622	0.572	0.599	0.666	13.59#
5)	T	Bromomethane	0.415	0.391	0.293	0.314	0.280	0.302	0.333	16.91
6)	T	Chloroethane	0.531	0.376	0.362	0.370	0.334	0.357	0.388	18.34
7)	T	Trichlorofluor...	1.130	0.863	0.896	0.931	0.821	0.910	0.925	11.61
8)	T	Diethyl Ether	0.319	0.262	0.294	0.306	0.286	0.285	0.292	6.73
9)	T	1,1,2-Trichlor...	0.666	0.508	0.536	0.592	0.479	0.525	0.551	12.27
10)	T	Methyl Iodide	0.846	0.657	0.727	0.826	0.670	0.703	0.738	10.80
11)	T	Tert butyl alc...	0.066	0.044	0.046	0.036	0.040	0.033	0.044	26.83
12)	CM	1,1-Dichloroet...	0.647	0.492	0.536	0.586	0.488	0.524	0.545	11.22#
13)	T	Acrolein	0.038	0.031	0.035	0.036	0.036	0.037	0.036	6.69
14)	T	Allyl chloride	1.289	0.978	1.079	0.946	0.999	1.039	1.055	11.72
15)	T	Acrylonitrile	0.143	0.116	0.139	0.124	0.133	0.119	0.129	8.54
16)	T	Acetone	0.160	0.110	0.132	0.160	0.141	0.123	0.138	14.66
17)	T	Carbon Disulfide	2.169	1.635	1.750	2.073	1.647	1.753	1.838	12.35
18)	T	Methyl Acetate	0.388	0.283	0.339	0.302	0.327	0.288	0.321	12.22
19)	T	Methyl tert-bu...	1.574	1.297	1.482	1.399	1.404	1.346	1.417	6.97
20)	T	Methylene Chlo...	0.693	0.546	0.595	0.571	0.543	0.552	0.583	9.77
21)	T	trans-1,2-Dich...	0.721	0.563	0.627	0.601	0.552	0.571	0.606	10.41
22)	T	Diisopropyl ether	2.561	2.032	1.887	2.014	2.022	1.955	2.079	11.67
23)	T	Vinyl Acetate	1.344	1.107	1.066	1.147	1.203	1.101	1.162	8.67
24)	P	1,1-Dichloroet...	1.461	1.141	1.083	1.137	1.101	1.117	1.173	12.15
25)	T	2-Butanone	0.179	0.176	0.168	0.180	0.197	0.165	0.177	6.49
26)	T	2,2-Dichloropr...	1.105	0.981	0.898	0.958	0.919	0.958	0.970	7.51
27)	T	cis-1,2-Dichlo...	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.92
28)	T	Bromochloromet...	0.534	0.553	0.441	0.509	0.450	0.476	0.494	9.25
29)	T	Tetrahydrofuran	0.099	0.110	0.100	0.107	0.120	0.100	0.106	7.54
30)	C	Chloroform	1.198	1.161	1.069	1.236	1.064	1.072	1.133	6.64#
31)	T	Cyclohexane	1.318	1.107	1.004	1.035	0.969	0.991	1.071	12.17
32)	T	1,1,1-Trichlor...	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.27
33)	S	1,2-Dichloroet...	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.26
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.16
36)	T	1,1-Dichloropr...	0.583	0.478	0.485	0.454	0.453	0.486	0.490	9.77
37)	T	Ethyl Acetate	0.209	0.244	0.224	0.212	0.244	0.213	0.224	7.19
38)	T	Carbon Tetrach...	0.575	0.500	0.500	0.478	0.483	0.533	0.511	7.16
39)	T	Methylcyclohexane	0.695	0.587	0.612	0.583	0.570	0.630	0.613	7.47
40)	TM	Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.18
41)	T	Methacrylonitrile	0.137	0.131	0.119	0.118	0.136	0.126	0.128	6.61
42)	TM	1,2-Dichloroet...	0.416	0.372	0.398	0.364	0.386	0.389	0.387	4.78
43)	T	Isopropyl Acetate	0.428	0.389	0.442	0.423	0.492	0.442	0.436	7.70
44)	TM	Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.54
45)	C	1,2-Dichloropr...	0.374	0.331	0.348	0.319	0.334	0.347	0.342	5.52#
46)	T	Dibromomethane	0.185	0.173	0.177	0.172	0.175	0.171	0.175	3.01
47)	T	Bromodichlorom...	0.525	0.458	0.479	0.492	0.463	0.490	0.484	4.96
48)	T	Methyl methacr...	0.208	0.184	0.206	0.201	0.234	0.219	0.209	8.07
49)	T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.32
50)	S	Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.88
51)	T	4-Methyl-2-Pen...	0.210	0.190	0.219	0.246	0.245	0.219	0.221	9.68
52)	CM	Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	5.99#
53)	T	t-1,3-Dichloro...	0.534	0.401	0.446	0.448	0.456	0.463	0.458	9.46
54)	T	cis-1,3-Dichlo...	0.541	0.493	0.527	0.505	0.530	0.551	0.524	4.14
55)	T	1,1,2-Trichlor...	0.250	0.223	0.263	0.219	0.222	0.221	0.233	8.10

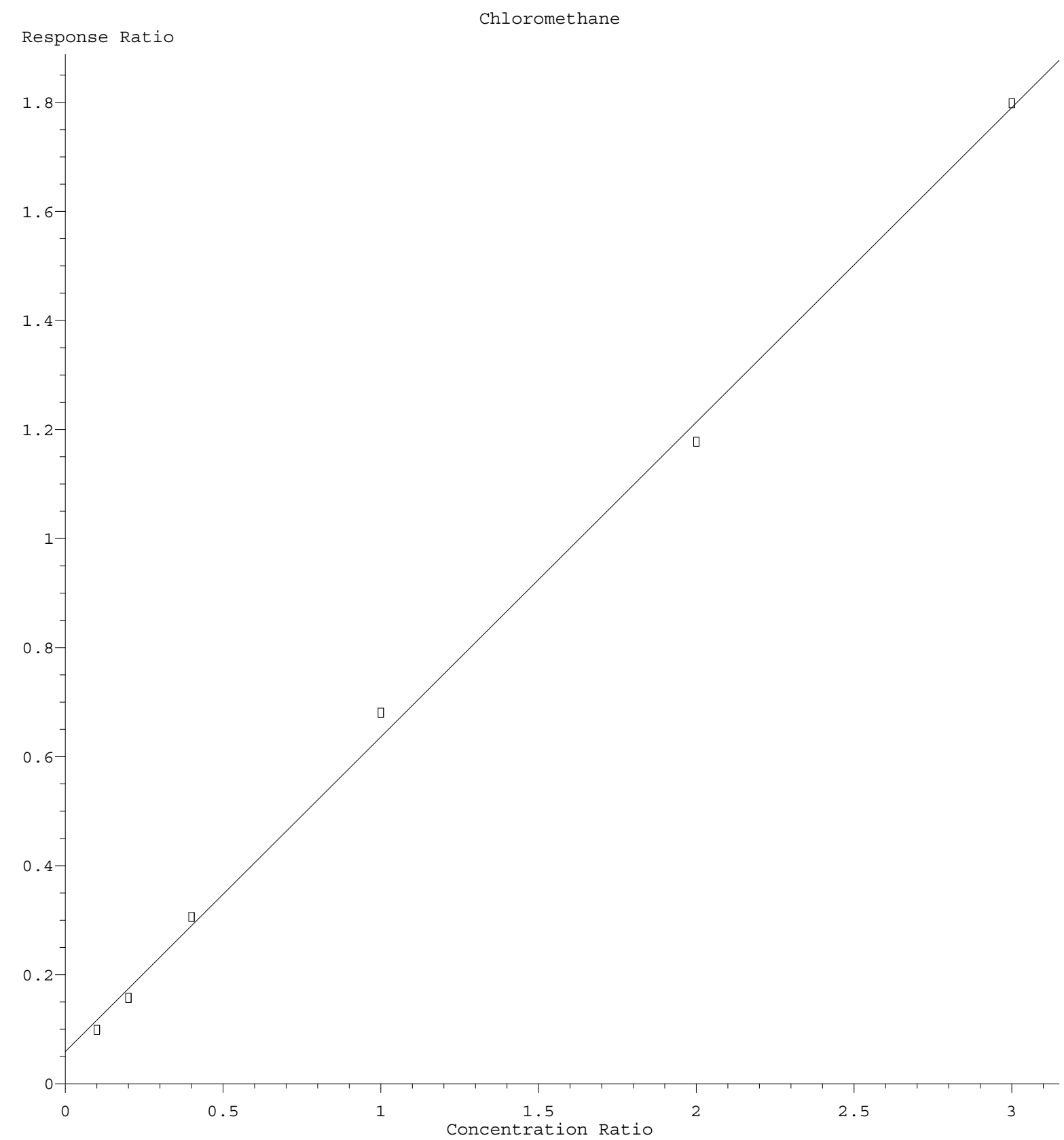
Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
Method File : 82Y111924S.M

56)	T	Ethyl methacry...	0.378	0.307	0.339	0.354	0.367	0.354	0.350	7.09
57)	T	1,3-Dichloropr...	0.435	0.390	0.444	0.417	0.417	0.409	0.419	4.51
58)	T	2-Chloroethyl ...	0.178	0.162	0.160	0.156	0.167	0.172	0.166	4.96
59)	T	2-Hexanone	0.142	0.135	0.160	0.171	0.177	0.155	0.157	10.27
60)	T	Dibromochlorom...	0.319	0.273	0.307	0.305	0.297	0.300	0.300	5.06
61)	T	1,2-Dibromoethane	0.247	0.200	0.221	0.217	0.204	0.206	0.216	8.07
62)	S	4-Bromofluorob...	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.52
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.402	0.344	0.401	0.331	0.333	0.350	0.360	9.08
65)	PM	Chlorobenzene	1.258	1.079	1.083	1.144	1.040	1.085	1.115	6.97
66)	T	1,1,1,2-Tetrac...	0.428	0.351	0.360	0.369	0.354	0.372	0.372	7.60
67)	C	Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.69#
68)	T	m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.35
69)	T	o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.42
70)	T	Styrene	1.261	1.128	1.165	1.131	1.131	1.188	1.167	4.45
71)	P	Bromoform	0.207	0.180	0.195	0.189	0.199	0.194	0.194	4.68
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	7.96
74)	T	N-amyl acetate	0.918	0.878	1.001	1.094	1.164	1.085	1.024	10.82
75)	P	1,1,2,2-Tetrac...	0.729	0.646	0.683	0.728	0.676	0.646	0.685	5.44
76)	T	1,2,3-Trichlor...	0.415	0.455	0.479	0.511	0.503	0.465	0.471	7.45
77)	T	Bromobenzene	0.973	0.840	0.858	0.923	0.847	0.883	0.887	5.84
78)	T	n-propylbenzene	5.602	4.857	4.973	5.199	4.722	5.146	5.083	6.10
79)	T	2-Chlorotoluene	3.136	2.687	3.201	2.886	2.706	2.920	2.923	7.28
80)	T	1,3,5-Trimethy...	3.622	3.162	3.792	3.392	3.156	3.414	3.423	7.34
81)	T	trans-1,4-Dich...	0.235	0.214	0.230	0.256	0.257	0.252	0.241	7.14
82)	T	4-Chlorotoluene	3.301	2.810	3.266	2.948	2.773	3.000	3.016	7.42
83)	T	tert-Butylbenzene	3.233	2.921	3.004	3.092	2.801	3.073	3.021	4.94
84)	T	1,2,4-Trimethy...	3.600	3.376	3.453	3.404	3.134	3.395	3.394	4.45
85)	T	sec-Butylbenzene	5.836	4.237	4.948	5.073	4.046	4.434	4.762	13.87
86)	T	p-Isopropyltol...	4.038	3.365	3.793	3.854	3.357	3.687	3.682	7.43
87)	T	1,3-Dichlorobe...	2.072	1.668	1.839	1.848	1.621	1.719	1.794	9.11
88)	T	1,4-Dichlorobe...	1.938	1.651	1.709	1.730	1.579	1.679	1.714	7.10
89)	T	n-Butylbenzene	3.853	3.314	3.479	3.661	3.259	3.589	3.526	6.31
90)	T	Hexachloroethane	0.756	0.650	0.719	0.771	0.654	0.715	0.711	7.07
91)	T	1,2-Dichlorobe...	1.630	1.401	1.506	1.547	1.414	1.474	1.495	5.75
92)	T	1,2-Dibromo-3-...	0.130	0.098	0.108	0.119	0.113	0.105	0.112	9.98
93)	T	1,2,4-Trichlor...	0.974	0.841	0.856	0.894	0.900	0.958	0.904	5.92
94)	T	Hexachlorobuta...	0.603	0.519	0.530	0.539	0.529	0.590	0.552	6.46
95)	T	Naphthalene	1.445	1.394	1.453	1.636	1.720	1.691	1.557	9.11
96)	T	1,2,3-Trichlor...	0.817	0.784	0.721	0.748	0.762	0.806	0.773	4.69

(#) = Out of Range



R = -8.522e-004 A*A + 4.609e-002 A + 5.442e-004
Coef of Det (r^2) = 0.990971 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111924S.M
Calibration Table Last Updated: Wed Nov 20 04:38:24 2024



Response = 5.772e-001 * Amt + 5.864e-002
Coef of Det (r^2) = 0.998139 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y111924S.M
Calibration Table Last Updated: Wed Nov 20 04:38:24 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020338.D
Acq On : 19 Nov 2024 15:49
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 20 04:33:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	227223	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	374127	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	306982	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	140473	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	13832	5.299	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 10.600%#				
35) Dibromofluoromethane	7.634	113	12960	5.402	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 10.800%#				
50) Toluene-d8	10.109	98	52284	5.533	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 11.060%#				
62) 4-Bromofluorobenzene	12.408	95	17179	5.655	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 11.300%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	13013	5.900	ug/l		93
3) Chloromethane	2.068	50	22477	3.541	ug/l		98
4) Vinyl Chloride	2.208	62	18543	6.128	ug/l		99
5) Bromomethane	2.605	94	9432	6.242	ug/l		98
6) Chloroethane	2.745	64	12063	6.834	ug/l		94
7) Trichlorofluoromethane	3.068	101	25672	6.106	ug/l		97
8) Diethyl Ether	3.452	74	7250	5.465	ug/l		92
9) 1,1,2-Trichlorotrifluo...	3.818	101	15136	6.045	ug/l		99
10) Methyl Iodide	4.013	142	19213	5.728	ug/l		98
11) Tert butyl alcohol	4.860	59	7536m	35.866	ug/l		
12) 1,1-Dichloroethene	3.800	96	14708	5.934	ug/l		94
13) Acrolein	3.659	56	4362	26.985	ug/l		95
14) Allyl chloride	4.391	41	29279	6.108	ug/l		93
15) Acrylonitrile	5.061	53	16245	27.700	ug/l		97
16) Acetone	3.867	43	18219	29.112	ug/l		92
17) Carbon Disulfide	4.110	76	49286	5.902	ug/l		99
18) Methyl Acetate	4.397	43	8805	6.036	ug/l		94
19) Methyl tert-butyl Ether	5.122	73	35762	5.554	ug/l		100
20) Methylene Chloride	4.623	84	15740	5.939	ug/l		93
21) trans-1,2-Dichloroethene	5.116	96	16393	5.955	ug/l		93
22) Diisopropyl ether	6.019	45	58191	6.160	ug/l		98
23) Vinyl Acetate	5.964	43	152663	28.920	ug/l		98
24) 1,1-Dichloroethane	5.921	63	33199	6.226	ug/l		98
25) 2-Butanone	6.890	43	20288	25.181	ug/l		96
26) 2,2-Dichloropropane	6.890	77	25115	5.698	ug/l		99
27) cis-1,2-Dichloroethene	6.897	96	16128	5.319	ug/l		92
28) Bromochloromethane	7.244	49	12131	5.405	ug/l		99
29) Tetrahydrofuran	7.262	42	11283	23.431	ug/l		96
30) Chloroform	7.421	83	27219	5.286	ug/l		100
31) Cyclohexane	7.707	56	29956	6.156	ug/l	#	79
32) 1,1,1-Trichloroethane	7.622	97	24268	5.367	ug/l		98
36) 1,1-Dichloropropene	7.835	75	21801	5.950	ug/l		98
37) Ethyl Acetate	6.988	43	7806	4.569	ug/l	#	79
38) Carbon Tetrachloride	7.823	117	21497	5.619	ug/l		93
39) Methylcyclohexane	9.110	83	26014	5.673	ug/l		93
40) Benzene	8.079	78	61067	5.687	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020338.D
Acq On : 19 Nov 2024 15:49
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 20 04:33:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	5114	5.355	ug/l		92
42) 1,2-Dichloroethane	8.165	62	15552	5.366	ug/l		98
43) Isopropyl Acetate	8.195	43	16024	4.909	ug/l	#	87
44) Trichloroethene	8.866	130	14519	5.707	ug/l		93
45) 1,2-Dichloropropane	9.140	63	13999	5.464	ug/l		94
46) Dibromomethane	9.231	93	6930	5.278	ug/l		97
47) Bromodichloromethane	9.420	83	19627	5.415	ug/l		95
48) Methyl methacrylate	9.225	41	7791	4.992	ug/l		94
49) 1,4-Dioxane	9.238	88	1421	105.186	ug/l	#	86
51) 4-Methyl-2-Pentanone	10.000	43	39329	23.742	ug/l		99
52) Toluene	10.170	92	36298	5.530	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	19995	5.833	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	20222	5.153	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	9364	5.372	ug/l		94
56) Ethyl methacrylate	10.439	69	14134	5.399	ug/l		97
57) 1,3-Dichloropropane	10.719	76	16257	5.190	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	33342	26.863	ug/l		98
59) 2-Hexanone	10.762	43	26616	22.690	ug/l		99
60) Dibromochloromethane	10.908	129	11937	5.313	ug/l		95
61) 1,2-Dibromoethane	11.018	107	9249	5.726	ug/l		98
64) Tetrachloroethene	10.646	164	12352	5.582	ug/l		95
65) Chlorobenzene	11.444	112	38618	5.642	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	13130	5.742	ug/l		95
67) Ethyl Benzene	11.518	91	71195	5.638	ug/l		100
68) m/p-Xylenes	11.627	106	50872	11.185	ug/l		97
69) o-Xylene	11.957	106	23650	5.482	ug/l		99
70) Styrene	11.969	104	38724	5.403	ug/l		99
71) Bromoform	12.133	173	6352	5.330	ug/l	#	96
73) Isopropylbenzene	12.255	105	68143	5.726	ug/l		99
74) N-amyl acetate	12.072	43	12902	4.487	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	10246	5.328	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	5823m	4.398	ug/l		
77) Bromobenzene	12.536	156	13674	5.485	ug/l		99
78) n-propylbenzene	12.597	91	78696	5.511	ug/l		100
79) 2-Chlorotoluene	12.682	91	44055	5.365	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	50883	5.291	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	3305	4.891	ug/l		97
82) 4-Chlorotoluene	12.780	91	46376	5.473	ug/l		97
83) tert-Butylbenzene	12.999	119	45414	5.351	ug/l		98
84) 1,2,4-Trimethylbenzene	13.048	105	50575	5.304	ug/l		100
85) sec-Butylbenzene	13.176	105	81980	6.127	ug/l		98
86) p-Isopropyltoluene	13.292	119	56716	5.483	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	29101	5.773	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	27229	5.653	ug/l		93
89) n-Butylbenzene	13.621	91	54128	5.464	ug/l		99
90) Hexachloroethane	13.883	117	10618	5.318	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	22894	5.451	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1828	5.792	ug/l		94
93) 1,2,4-Trichlorobenzene	14.926	180	13686	5.389	ug/l		97
94) Hexachlorobutadiene	15.029	225	8471	5.465	ug/l		100
95) Naphthalene	15.151	128	20303	4.642	ug/l		98
96) 1,2,3-Trichlorobenzene	15.334	180	11474	5.284	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020338.D
Acq On : 19 Nov 2024 15:49
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 20 04:33:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

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

ICAL Form

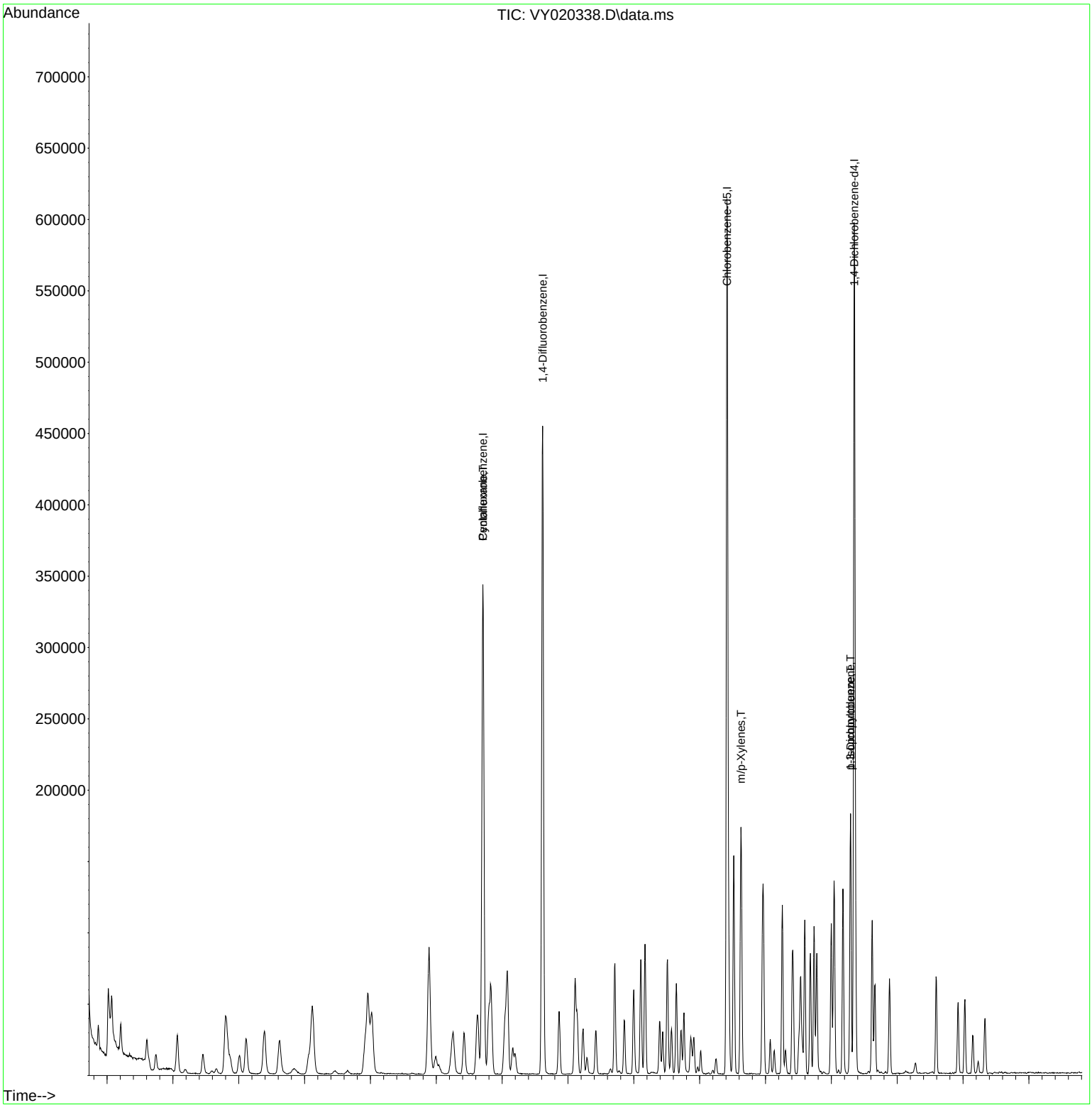
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020338.D
Acq On : 19 Nov 2024 15:49
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 04:33:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020339.D
Acq On : 19 Nov 2024 16:12
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 00:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	244176	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	390316	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	319281	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146946	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.061	65	25534	9.102	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.200%#			
35) Dibromofluoromethane	7.634	113	27064	10.813	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.620%#			
50) Toluene-d8	10.103	98	92555	9.388	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.780%#			
62) 4-Bromofluorobenzene	12.408	95	29715	9.376	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	18.760%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	21870	9.227	ug/l		97
3) Chloromethane	2.068	50	38473	8.570	ug/l		98
4) Vinyl Chloride	2.208	62	35263	10.845	ug/l		94
5) Bromomethane	2.598	94	19085	11.753	ug/l		95
6) Chloroethane	2.739	64	18368	9.684	ug/l		99
7) Trichlorofluoromethane	3.062	101	42149	9.328	ug/l		99
8) Diethyl Ether	3.458	74	12779	8.964	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.824	101	24798	9.215	ug/l		99
10) Methyl Iodide	4.007	142	32100	8.906	ug/l		96
11) Tert butyl alcohol	4.884	59	10698	47.785	ug/l	#	73
12) 1,1-Dichloroethene	3.793	96	24035	9.023	ug/l		98
13) Acrolein	3.659	56	7635	43.953	ug/l		96
14) Allyl chloride	4.385	41	47740	9.268	ug/l		93
15) Acrylonitrile	5.067	53	28314	44.928	ug/l		100
16) Acetone	3.872	43	26883	39.974	ug/l		93
17) Carbon Disulfide	4.110	76	79822	8.895	ug/l		99
18) Methyl Acetate	4.397	43	13811	8.810	ug/l		97
19) Methyl tert-butyl Ether	5.122	73	63324	9.152	ug/l		99
20) Methylene Chloride	4.616	84	26668	9.364	ug/l		94
21) trans-1,2-Dichloroethene	5.116	96	27492	9.293	ug/l		91
22) Diisopropyl ether	6.018	45	99254	9.778	ug/l		96
23) Vinyl Acetate	5.964	43	270395	47.667	ug/l		98
24) 1,1-Dichloroethane	5.915	63	55718	9.723	ug/l		98
25) 2-Butanone	6.896	43	42909	49.561	ug/l		97
26) 2,2-Dichloropropane	6.884	77	47901	10.114	ug/l		99
27) cis-1,2-Dichloroethene	6.896	96	32422	9.950	ug/l		95
28) Bromochloromethane	7.244	49	27023	11.205	ug/l		94
29) Tetrahydrofuran	7.262	42	26874	51.935	ug/l		94
30) Chloroform	7.421	83	56708	10.248	ug/l		93
31) Cyclohexane	7.701	56	54063	10.338	ug/l	#	91
32) 1,1,1-Trichloroethane	7.622	97	50897	10.475	ug/l		100
36) 1,1-Dichloropropene	7.835	75	37302	9.758	ug/l		98
37) Ethyl Acetate	6.982	43	19056	10.691	ug/l		100
38) Carbon Tetrachloride	7.817	117	38996	9.770	ug/l		97
39) Methylcyclohexane	9.103	83	45833	9.580	ug/l		99
40) Benzene	8.079	78	107451	9.592	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020339.D
Acq On : 19 Nov 2024 16:12
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Quant Time: Nov 20 00:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	10243	10.280	ug/l		99
42) 1,2-Dichloroethane	8.158	62	29009	9.593	ug/l		99
43) Isopropyl Acetate	8.201	43	30398	8.926	ug/l	#	88
44) Trichloroethene	8.865	130	25870	9.747	ug/l		98
45) 1,2-Dichloropropane	9.140	63	25874	9.680	ug/l		98
46) Dibromomethane	9.231	93	13498	9.853	ug/l		99
47) Bromodichloromethane	9.420	83	35727	9.447	ug/l		99
48) Methyl methacrylate	9.219	41	14343	8.809	ug/l		97
49) 1,4-Dioxane	9.237	88	2821	200.157	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	74041	42.842	ug/l		100
52) Toluene	10.170	92	65234	9.527	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	31288	8.749	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	38511	9.407	ug/l		95
55) 1,1,2-Trichloroethane	10.566	97	17413	9.576	ug/l		97
56) Ethyl methacrylate	10.438	69	23973	8.778	ug/l		99
57) 1,3-Dichloropropane	10.713	76	30481	9.327	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	63051	48.691	ug/l		100
59) 2-Hexanone	10.761	43	52821	43.163	ug/l		100
60) Dibromochloromethane	10.914	129	21348	9.108	ug/l		96
61) 1,2-Dibromoethane	11.011	107	15582	9.247	ug/l		99
64) Tetrachloroethene	10.646	164	21998	9.558	ug/l		99
65) Chlorobenzene	11.438	112	68874	9.675	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	22433	9.433	ug/l		99
67) Ethyl Benzene	11.517	91	126010	9.595	ug/l		97
68) m/p-Xylenes	11.627	106	92641	19.583	ug/l		99
69) o-Xylene	11.950	106	44303	9.874	ug/l		100
70) Styrene	11.969	104	72003	9.659	ug/l		99
71) Bromoform	12.133	173	11513	9.289	ug/l	#	98
73) Isopropylbenzene	12.255	105	118383	9.510	ug/l		99
74) N-amyl acetate	12.066	43	25808	8.579	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	18981	9.435	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	13381m	9.631	ug/l		
77) Bromobenzene	12.529	156	24689	9.467	ug/l		99
78) n-propylbenzene	12.596	91	142756	9.556	ug/l		100
79) 2-Chlorotoluene	12.676	91	78983	9.195	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	92937	9.238	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	6286	8.893	ug/l		99
82) 4-Chlorotoluene	12.779	91	82594	9.317	ug/l		99
83) tert-Butylbenzene	12.999	119	85832	9.668	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	99218	9.948	ug/l		99
85) sec-Butylbenzene	13.176	105	124529	8.898	ug/l		100
86) p-Isopropyltoluene	13.291	119	98901	9.139	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	49013	9.295	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	48510	9.628	ug/l		98
89) n-Butylbenzene	13.621	91	97403	9.399	ug/l		99
90) Hexachloroethane	13.883	117	19103	9.146	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	41163	9.369	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	2892	8.760	ug/l		100
93) 1,2,4-Trichlorobenzene	14.925	180	24704	9.299	ug/l		99
94) Hexachlorobutadiene	15.029	225	15256	9.408	ug/l		98
95) Naphthalene	15.145	128	40980	8.957	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	23029	10.139	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020339.D
Acq On : 19 Nov 2024 16:12
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 00:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

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

ICAL Form

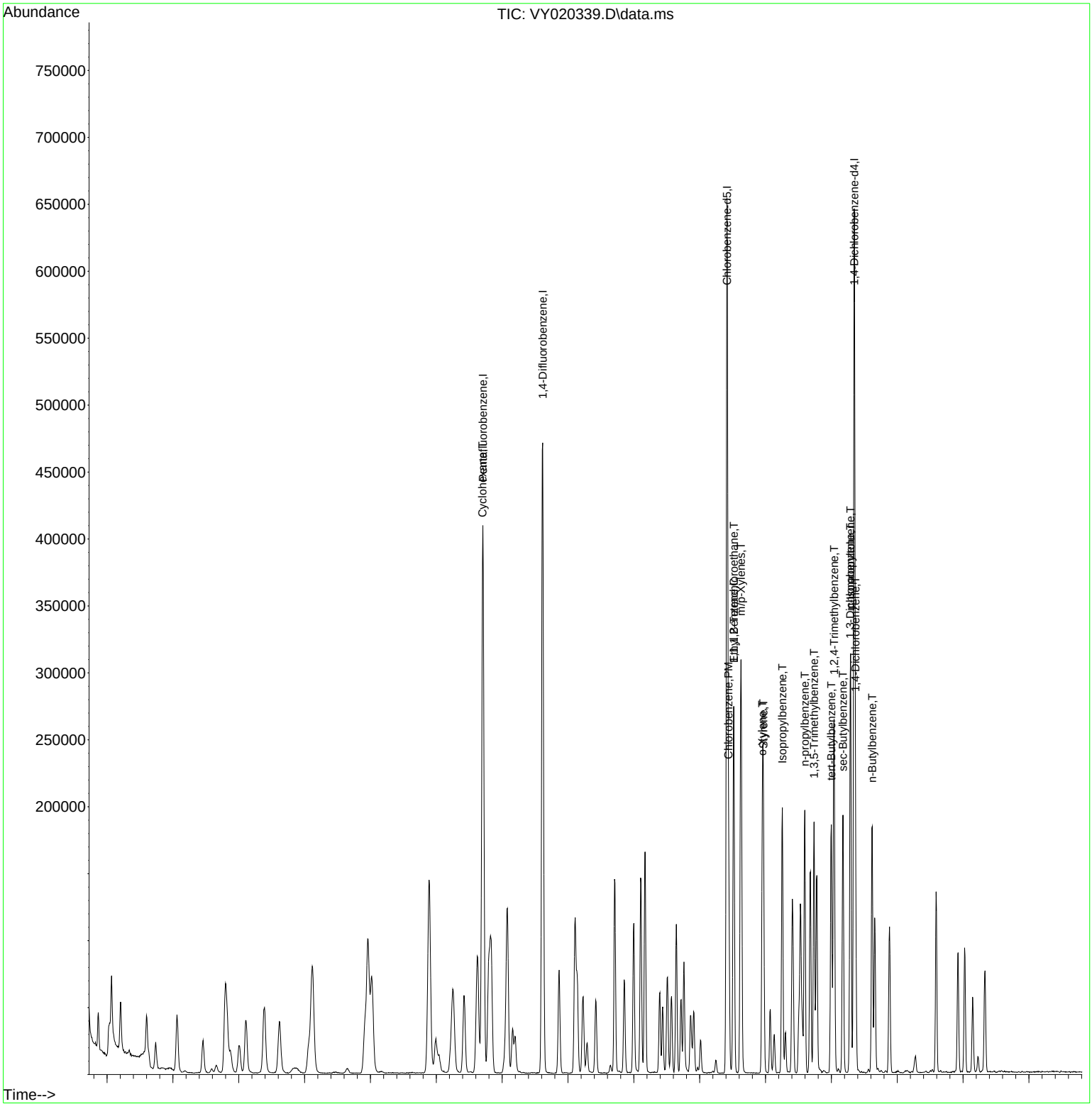
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020339.D
Acq On : 19 Nov 2024 16:12
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 20 00:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020340.D
Acq On : 19 Nov 2024 16:35
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	236844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	387251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	330555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	152521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	51590	18.960	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.920%#		
35) Dibromofluoromethane	7.634	113	47609	19.173	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.340%#		
50) Toluene-d8	10.103	98	187150	19.133	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.260%#		
62) 4-Bromofluorobenzene	12.402	95	59520	18.928	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	37.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44219	19.234	ug/l	98
3) Chloromethane	2.068	50	72456	21.422	ug/l	98
4) Vinyl Chloride	2.208	62	62913	19.948	ug/l	94
5) Bromomethane	2.598	94	27790	17.643	ug/l	98
6) Chloroethane	2.739	64	34289	18.637	ug/l	95
7) Trichlorofluoromethane	3.062	101	84918	19.375	ug/l	98
8) Diethyl Ether	3.458	74	27857	20.145	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	50736	19.438	ug/l	100
10) Methyl Iodide	4.007	142	68857	19.695	ug/l	98
11) Tert butyl alcohol	4.879	59	21940	103.899	ug/l	96
12) 1,1-Dichloroethene	3.793	96	50747	19.641	ug/l	96
13) Acrolein	3.665	56	16692	99.067	ug/l	93
14) Allyl chloride	4.385	41	102220	20.460	ug/l	92
15) Acrylonitrile	5.061	53	66014	107.992	ug/l	99
16) Acetone	3.873	43	62372	95.616	ug/l	95
17) Carbon Disulfide	4.110	76	165744	19.041	ug/l	98
18) Methyl Acetate	4.385	43	32091	21.105	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	140395	20.918	ug/l	100
20) Methylene Chloride	4.616	84	56330	20.392	ug/l	94
21) trans-1,2-Dichloroethene	5.122	96	59438	20.713	ug/l	91
22) Diisopropyl ether	6.019	45	178817	18.162	ug/l	95
23) Vinyl Acetate	5.964	43	505150	91.808	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102627	18.464	ug/l	98
25) 2-Butanone	6.903	43	79554	94.731	ug/l	99
26) 2,2-Dichloropropane	6.890	77	85051	18.513	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	60883	19.263	ug/l	98
28) Bromochloromethane	7.244	49	41798	17.867	ug/l	99
29) Tetrahydrofuran	7.262	42	47318	94.274	ug/l	99
30) Chloroform	7.421	83	101251	18.864	ug/l	98
31) Cyclohexane	7.707	56	95143	18.757	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	89105	18.907	ug/l	99
36) 1,1-Dichloropropene	7.835	75	75098	19.801	ug/l	99
37) Ethyl Acetate	6.988	43	34643	19.590	ug/l	98
38) Carbon Tetrachloride	7.823	117	77388	19.543	ug/l	96
39) Methylcyclohexane	9.109	83	94807	19.974	ug/l	98
40) Benzene	8.085	78	223070	20.070	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020340.D
Acq On : 19 Nov 2024 16:35
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Quant Time: Nov 20 01:00:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.220	41	18360	18.572 ug/l		94
42) 1,2-Dichloroethane	8.158	62	61623	20.540 ug/l		98
43) Isopropyl Acetate	8.195	43	68510	20.277 ug/l	#	86
44) Trichloroethene	8.866	130	53189	20.198 ug/l		93
45) 1,2-Dichloropropane	9.140	63	53935	20.339 ug/l		98
46) Dibromomethane	9.231	93	27481	20.219 ug/l		97
47) Bromodichloromethane	9.420	83	74220	19.781 ug/l		99
48) Methyl methacrylate	9.219	41	31955	19.782 ug/l		99
49) 1,4-Dioxane	9.231	88	5466	390.895 ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	169490	98.848 ug/l		99
52) Toluene	10.170	92	137874	20.295 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	69154	19.491 ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	81594	20.089 ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	40747	22.585 ug/l		97
56) Ethyl methacrylate	10.439	69	52436	19.353 ug/l		97
57) 1,3-Dichloropropane	10.713	76	68770	21.210 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	123646	96.241 ug/l		99
59) 2-Hexanone	10.762	43	123944	102.083 ug/l		99
60) Dibromochloromethane	10.908	129	47578	20.459 ug/l		99
61) 1,2-Dibromoethane	11.012	107	34244	20.483 ug/l		99
64) Tetrachloroethene	10.646	164	53034	22.257 ug/l		97
65) Chlorobenzene	11.438	112	143190	19.428 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	47541	19.309 ug/l		99
67) Ethyl Benzene	11.518	91	264743	19.471 ug/l		99
68) m/p-Xylenes	11.627	106	196288	40.078 ug/l		100
69) o-Xylene	11.950	106	94022	20.240 ug/l		97
70) Styrene	11.969	104	154055	19.960 ug/l		99
71) Bromoform	12.133	173	25826	20.127 ug/l	#	98
73) Isopropylbenzene	12.255	105	248304	19.218 ug/l		99
74) N-amyl acetate	12.072	43	61053	19.554 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	41646	19.944 ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	29239m	20.276 ug/l		
77) Bromobenzene	12.530	156	52340	19.335 ug/l		98
78) n-propylbenzene	12.597	91	303366	19.564 ug/l		99
79) 2-Chlorotoluene	12.676	91	195281	21.904 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	231329	22.154 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	14013	19.100 ug/l		98
82) 4-Chlorotoluene	12.773	91	199278	21.658 ug/l		98
83) tert-Butylbenzene	12.999	119	183294	19.892 ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	210671	20.350 ug/l		99
85) sec-Butylbenzene	13.176	105	301882	20.781 ug/l		100
86) p-Isopropyltoluene	13.292	119	231391	20.601 ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	112176	20.495 ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	104265	19.938 ug/l		99
89) n-Butylbenzene	13.615	91	212277	19.735 ug/l		100
90) Hexachloroethane	13.883	117	43848	20.226 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	91859	20.143 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6596	19.250 ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	52226	18.941 ug/l		99
94) Hexachlorobutadiene	15.023	225	32319	19.202 ug/l		99
95) Naphthalene	15.145	128	88652	18.669 ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	43998	18.662 ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020340.D
Acq On : 19 Nov 2024 16:35
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:00:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

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

ICAL Form

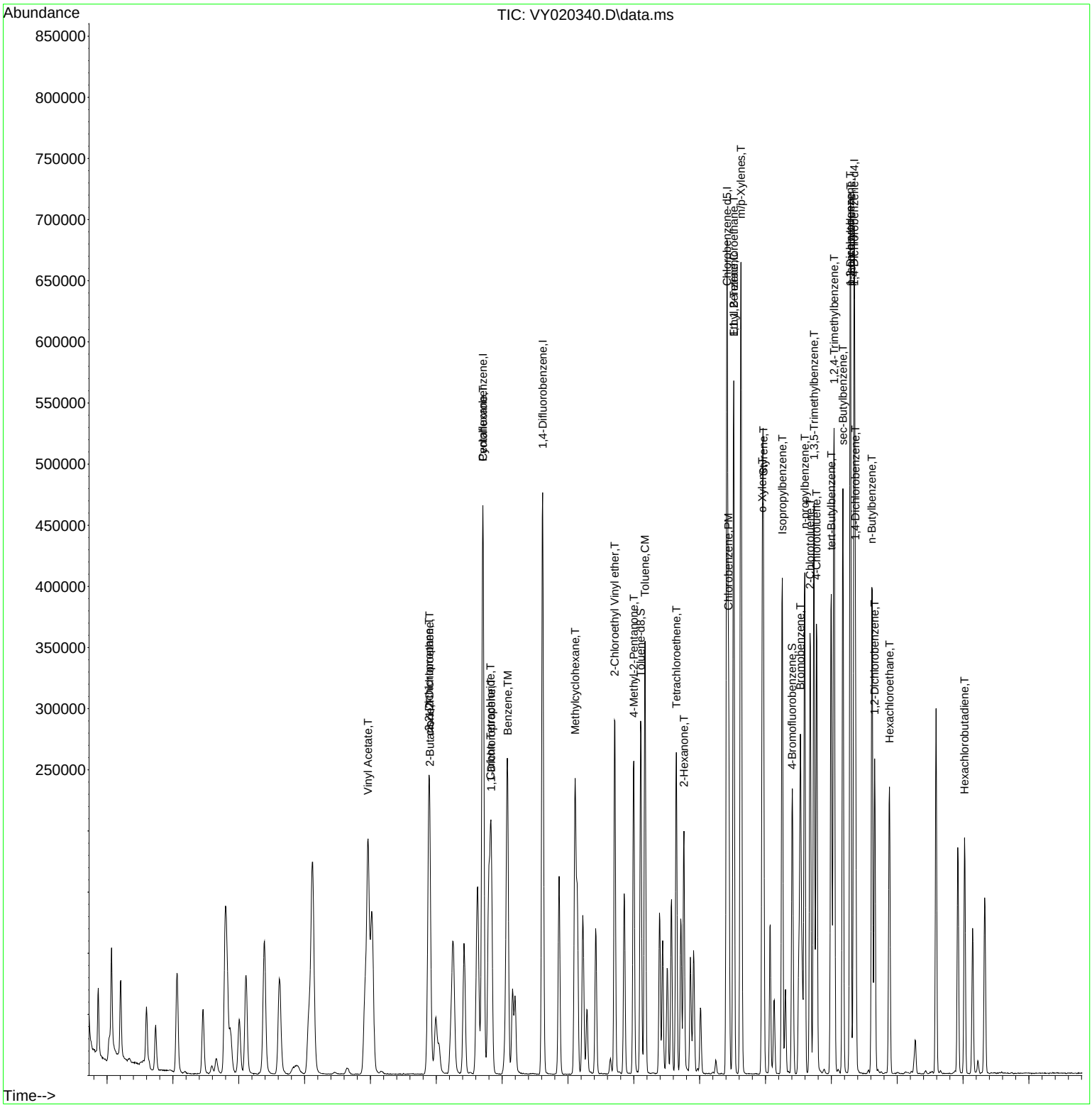
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020340.D
Acq On : 19 Nov 2024 16:35
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 01:00:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020341.D
Acq On : 19 Nov 2024 16:57
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:01:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	227113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	420316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	149547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144497	55.378	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.760%			
35) Dibromofluoromethane	7.634	113	135608	50.315	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.620%			
50) Toluene-d8	10.109	98	587453	55.332	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.660%			
62) 4-Bromofluorobenzene	12.402	95	180882	52.998	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	103026	46.735	ug/l	100
3) Chloromethane	2.068	50	154573	53.880	ug/l	100
4) Vinyl Chloride	2.208	62	141208	46.691	ug/l	100
5) Bromomethane	2.598	94	71314	47.214	ug/l	100
6) Chloroethane	2.739	64	83973	47.597	ug/l	100
7) Trichlorofluoromethane	3.062	101	211527	50.331	ug/l	100
8) Diethyl Ether	3.458	74	69448	52.373	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	134494	53.736	ug/l	100
10) Methyl Iodide	4.007	142	187546	55.942	ug/l	100
11) Tert butyl alcohol	4.879	59	41051	212.148	ug/l	100
12) 1,1-Dichloroethene	3.793	96	133044	53.701	ug/l	100
13) Acrolein	3.659	56	41213	255.080	ug/l	100
14) Allyl chloride	4.391	41	214855	44.846	ug/l	100
15) Acrylonitrile	5.061	53	140610	239.879	ug/l	100
16) Acetone	3.873	43	181648	290.397	ug/l	100
17) Carbon Disulfide	4.110	76	470701	56.393	ug/l	100
18) Methyl Acetate	4.391	43	68494	46.975	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	317819	49.382	ug/l	100
20) Methylene Chloride	4.616	84	129583	48.919	ug/l	100
21) trans-1,2-Dichloroethene	5.122	96	136395	49.567	ug/l	100
22) Diisopropyl ether	6.025	45	457338	48.440	ug/l	100
23) Vinyl Acetate	5.964	43	1302817	246.924	ug/l	100
24) 1,1-Dichloroethane	5.921	63	258252	48.453	ug/l	100
25) 2-Butanone	6.896	43	203885	253.183	ug/l	100
26) 2,2-Dichloropropane	6.884	77	217639	49.403	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	156034	51.482	ug/l	100
28) Bromochloromethane	7.244	49	115631	51.546	ug/l	100
29) Tetrahydrofuran	7.268	42	121226	251.872	ug/l	100
30) Chloroform	7.421	83	280651	54.528	ug/l	100
31) Cyclohexane	7.701	56	235065	48.327	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	226463	50.111	ug/l	100
36) 1,1-Dichloropropene	7.841	75	190663	46.316	ug/l	100
37) Ethyl Acetate	6.988	43	89102	46.422	ug/l	100
38) Carbon Tetrachloride	7.823	117	200826	46.725	ug/l	100
39) Methylcyclohexane	9.110	83	245019	47.559	ug/l	100
40) Benzene	8.079	78	566676	46.974	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020341.D
Acq On : 19 Nov 2024 16:57
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:01:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	49407	46.047 ug/l	100
42) 1,2-Dichloroethane	8.158	62	152946	46.970 ug/l	100
43) Isopropyl Acetate	8.195	43	177802	48.484 ug/l	100
44) Trichloroethene	8.866	130	134577	47.083 ug/l	100
45) 1,2-Dichloropropane	9.140	63	134142	46.606 ug/l	100
46) Dibromomethane	9.231	93	72212	48.950 ug/l	100
47) Bromodichloromethane	9.420	83	206587	50.729 ug/l	100
48) Methyl methacrylate	9.219	41	84404	48.140 ug/l	100
49) 1,4-Dioxane	9.238	88	14757	972.312 ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	516270	277.407 ug/l	100
52) Toluene	10.170	92	357134	48.435 ug/l	100
53) t-1,3-Dichloropropene	10.390	75	188307	48.898 ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	212293	48.156 ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	91951	46.957 ug/l	100
56) Ethyl methacrylate	10.439	69	148986	50.661 ug/l	100
57) 1,3-Dichloropropane	10.713	76	175316	49.817 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	328825	235.811 ug/l	100
59) 2-Hexanone	10.762	43	358788	272.258 ug/l	100
60) Dibromochloromethane	10.908	129	128210	50.796 ug/l	100
61) 1,2-Dibromoethane	11.012	107	91358	50.347 ug/l	100
64) Tetrachloroethene	10.646	164	119531	45.954 ug/l	100
65) Chlorobenzene	11.438	112	412910	51.322 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	133303	49.598 ug/l	100
67) Ethyl Benzene	11.518	91	740094	49.862 ug/l	100
68) m/p-Xylenes	11.627	106	510631	95.509 ug/l	100
69) o-Xylene	11.957	106	241061	47.538 ug/l	100
70) Styrene	11.969	104	408085	48.436 ug/l	100
71) Bromoform	12.133	173	68064	48.591 ug/l	100
73) Isopropylbenzene	12.255	105	645114	50.923 ug/l	100
74) N-amyl acetate	12.072	43	163678	53.464 ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	108812	53.145 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	76443m	54.065 ug/l	
77) Bromobenzene	12.530	156	137993	51.991 ug/l	100
78) n-propylbenzene	12.597	91	777424	51.134 ug/l	100
79) 2-Chlorotoluene	12.682	91	431579	49.371 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	507211	49.541 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	38276	53.209 ug/l	100
82) 4-Chlorotoluene	12.780	91	440797	48.859 ug/l	100
83) tert-Butylbenzene	12.999	119	462472	51.187 ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	508985	50.144 ug/l	100
85) sec-Butylbenzene	13.176	105	758609	53.259 ug/l	100
86) p-Isopropyltoluene	13.292	119	576317	52.331 ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	276359	51.496 ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	258732	50.459 ug/l	100
89) n-Butylbenzene	13.621	91	547533	51.917 ug/l	100
90) Hexachloroethane	13.877	117	115268	54.229 ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	231279	51.724 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	17802	52.987 ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	133647	49.434 ug/l	100
94) Hexachlorobutadiene	15.023	225	80673	48.885 ug/l	100
95) Naphthalene	15.145	128	244680	52.551 ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	111791	48.361 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020341.D
Acq On : 19 Nov 2024 16:57
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:01:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

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

ICAL Form

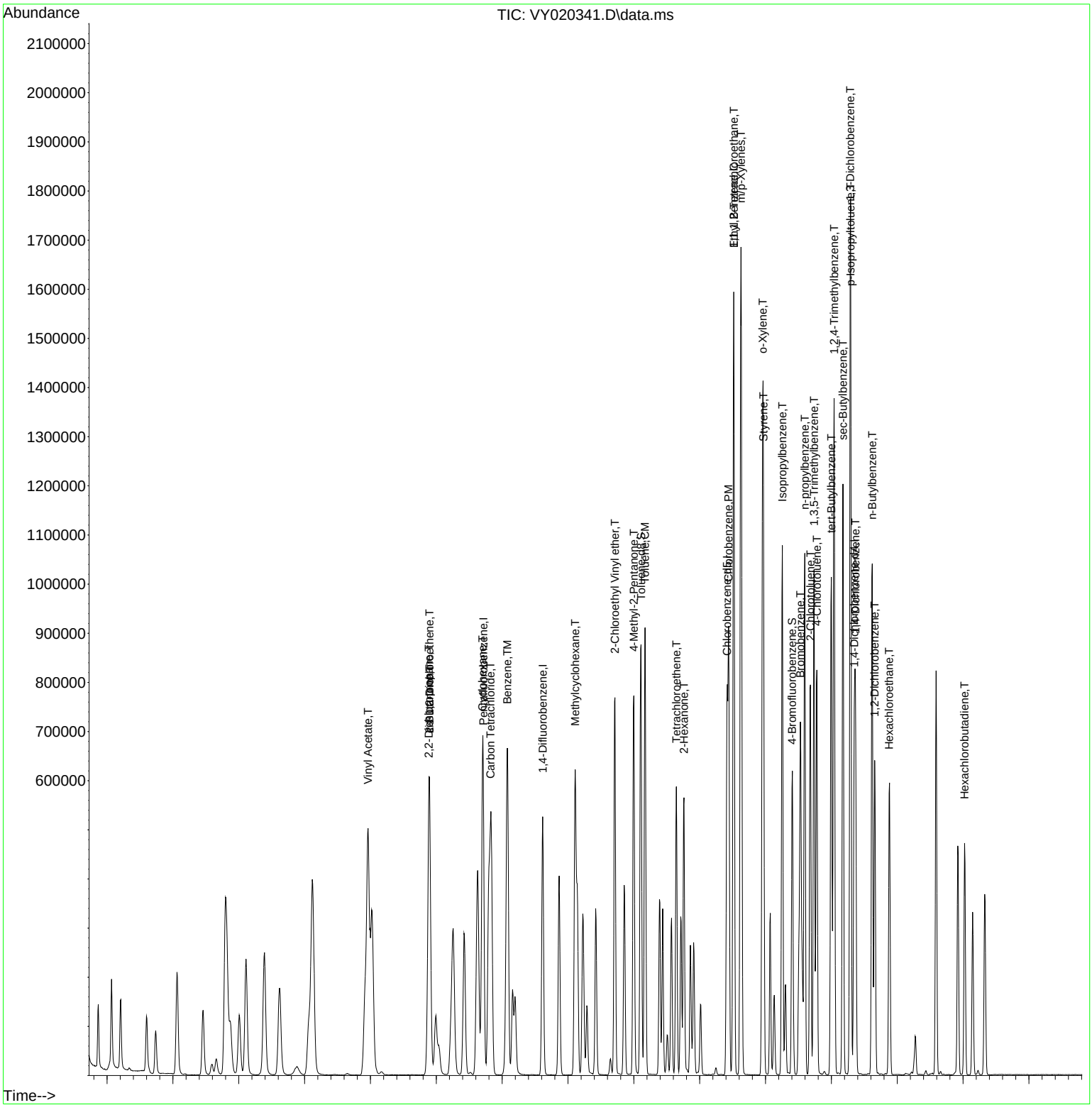
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020341.D
Acq On : 19 Nov 2024 16:57
Operator : SY/MD
Sample : VSTDICC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 01:01:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020342.D
Acq On : 19 Nov 2024 17:20
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:02:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	242950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	418120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	343084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	154843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	273625	98.031	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 196.060%#			
35) Dibromofluoromethane	7.634	113	241148	89.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 179.880%#			
50) Toluene-d8	10.109	98	944968	89.473	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 178.940%#			
62) 4-Bromofluorobenzene	12.401	95	308231	90.785	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 181.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	225851	95.772	ug/l	100
3) Chloromethane	2.068	50	286074	96.926	ug/l	98
4) Vinyl Chloride	2.202	62	278011	85.934	ug/l	100
5) Bromomethane	2.598	94	135928	84.127	ug/l	99
6) Chloroethane	2.738	64	162455	86.079	ug/l	99
7) Trichlorofluoromethane	3.061	101	399021	88.755	ug/l	100
8) Diethyl Ether	3.458	74	138894	97.917	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	232946	87.004	ug/l	100
10) Methyl Iodide	4.006	142	325705	90.820	ug/l	97
11) Tert butyl alcohol	4.890	59	97795	546.604	ug/l	99
12) 1,1-Dichloroethene	3.793	96	236992	89.422	ug/l	99
13) Acrolein	3.659	56	86380	499.781	ug/l	97
14) Allyl chloride	4.384	41	485310	94.695	ug/l	92
15) Acrylonitrile	5.061	53	322609	514.491	ug/l	99
16) Acetone	3.878	43	343146	512.820	ug/l	98
17) Carbon Disulfide	4.110	76	800247	89.624	ug/l	99
18) Methyl Acetate	4.390	43	159022	101.952	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	681962	99.054	ug/l	97
20) Methylene Chloride	4.616	84	264054	93.186	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	267977	91.038	ug/l	91
22) Diisopropyl ether	6.024	45	982564	97.286	ug/l	98
23) Vinyl Acetate	5.963	43	2923388	517.954	ug/l	98
24) 1,1-Dichloroethane	5.921	63	535189	93.866	ug/l	99
25) 2-Butanone	6.896	43	479489	556.614	ug/l	97
26) 2,2-Dichloropropane	6.890	77	446478	94.743	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	314285	96.937	ug/l	98
28) Bromochloromethane	7.250	49	218420	91.020	ug/l	95
29) Tetrahydrofuran	7.268	42	290644	564.509	ug/l	96
30) Chloroform	7.420	83	516773	93.860	ug/l	98
31) Cyclohexane	7.707	56	470793	90.481	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	456631	94.454	ug/l	99
36) 1,1-Dichloropropene	7.835	75	379162	92.591	ug/l	99
37) Ethyl Acetate	6.988	43	204144	106.917	ug/l	99
38) Carbon Tetrachloride	7.823	117	403792	94.441	ug/l	99
39) Methylcyclohexane	9.109	83	476688	93.013	ug/l	98
40) Benzene	8.079	78	1152457	96.033	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020342.D
Acq On : 19 Nov 2024 17:20
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Quant Time: Nov 20 01:02:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	113838	106.653	ug/l		98
42) 1,2-Dichloroethane	8.158	62	322641	99.603	ug/l		99
43) Isopropyl Acetate	8.201	43	411623	112.833	ug/l		99
44) Trichloroethene	8.865	130	265744	93.462	ug/l		99
45) 1,2-Dichloropropane	9.140	63	279709	97.691	ug/l		100
46) Dibromomethane	9.231	93	145980	99.474	ug/l		99
47) Bromodichloromethane	9.420	83	387534	95.661	ug/l		99
48) Methyl methacrylate	9.219	41	195485	112.081	ug/l		94
49) 1,4-Dioxane	9.243	88	32314	2140.293	ug/l	#	82
51) 4-Methyl-2-Pentanone	9.999	43	1025042	553.677	ug/l		99
52) Toluene	10.170	92	692884	94.463	ug/l		99
53) t-1,3-Dichloropropene	10.389	75	380932	99.436	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	442841	100.981	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	185332	95.141	ug/l		100
56) Ethyl methacrylate	10.438	69	307069	104.964	ug/l		99
57) 1,3-Dichloropropane	10.712	76	348373	99.512	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	700335	504.870	ug/l		98
59) 2-Hexanone	10.761	43	741041	565.275	ug/l		100
60) Dibromochloromethane	10.908	129	248066	98.797	ug/l		99
61) 1,2-Dibromoethane	11.011	107	170430	94.416	ug/l		100
64) Tetrachloroethene	10.645	164	228791	92.512	ug/l		98
65) Chlorobenzene	11.438	112	713827	93.316	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	243130	95.143	ug/l		99
67) Ethyl Benzene	11.517	91	1325393	93.917	ug/l		100
68) m/p-Xylenes	11.627	106	955240	187.918	ug/l		97
69) o-Xylene	11.956	106	457290	94.846	ug/l		98
70) Styrene	11.968	104	776130	96.888	ug/l		98
71) Bromoform	12.133	173	136679	102.627	ug/l	#	99
73) Isopropylbenzene	12.255	105	1207507	92.057	ug/l		99
74) N-amyl acetate	12.072	43	360546	113.742	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	209284	98.722	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	155715m	106.363	ug/l		
77) Bromobenzene	12.529	156	262304	95.447	ug/l		96
78) n-propylbenzene	12.596	91	1462491	92.904	ug/l		100
79) 2-Chlorotoluene	12.682	91	837998	92.584	ug/l		99
80) 1,3,5-Trimethylbenzene	12.736	105	977514	92.211	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	79441	106.658	ug/l		97
82) 4-Chlorotoluene	12.779	91	858743	91.930	ug/l		97
83) tert-Butylbenzene	12.999	119	867475	92.729	ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	970690	92.360	ug/l		99
85) sec-Butylbenzene	13.175	105	1252922	84.955	ug/l		99
86) p-Isopropyltoluene	13.291	119	1039560	91.166	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	502006	90.342	ug/l		99
88) 1,4-Dichlorobenzene	13.364	146	489016	92.108	ug/l		99
89) n-Butylbenzene	13.620	91	1009278	92.426	ug/l		99
90) Hexachloroethane	13.883	117	202571	92.042	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	437794	94.562	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	35093	100.881	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	278868	99.621	ug/l		99
94) Hexachlorobutadiene	15.023	225	163774	95.847	ug/l		98
95) Naphthalene	15.145	128	532709	110.498	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	235988	98.597	ug/l		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020342.D
Acq On : 19 Nov 2024 17:20
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:02:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

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

ICAL Form

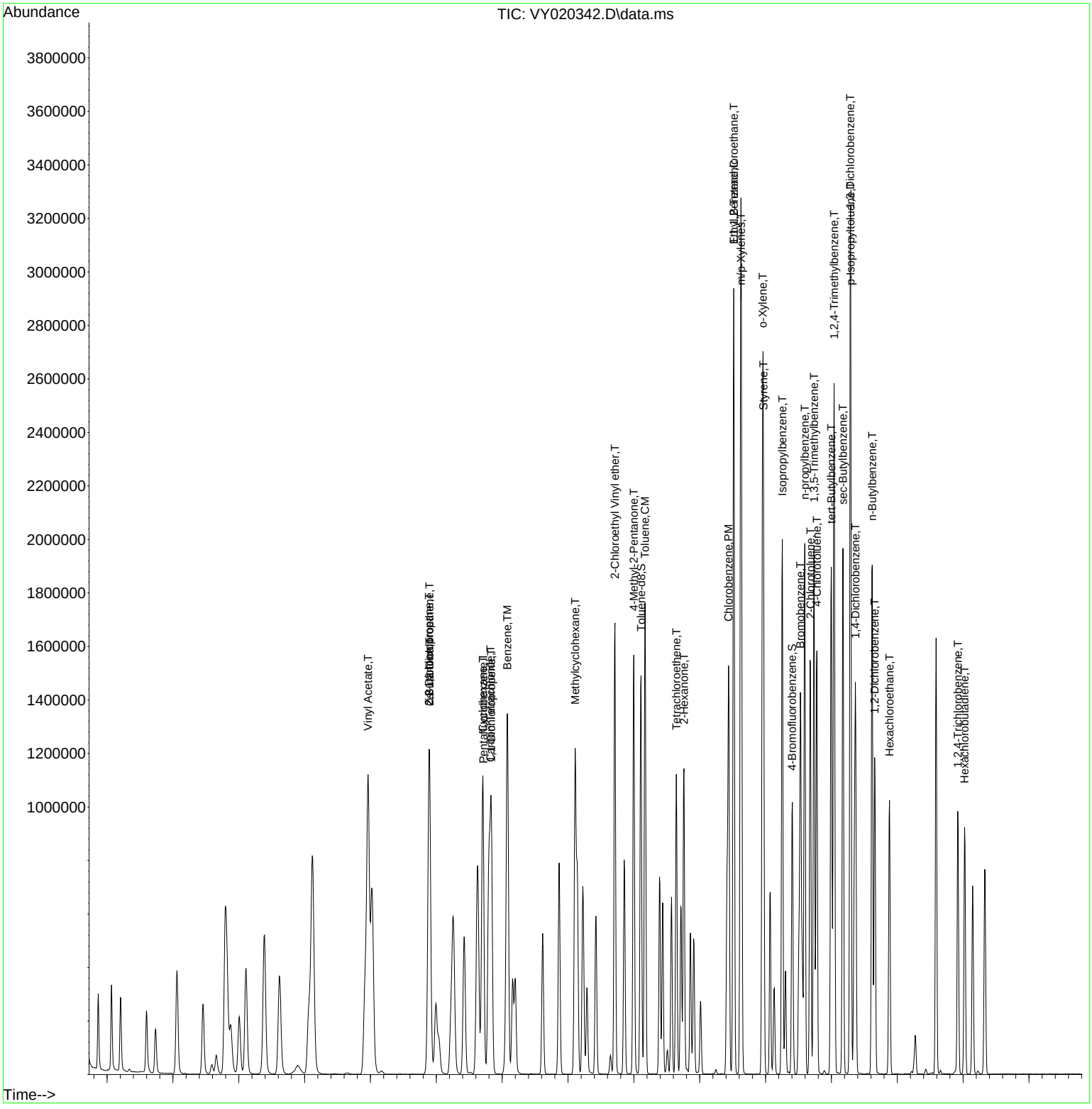
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020342.D
Acq On : 19 Nov 2024 17:20
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 20 01:02:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020343.D
Acq On : 19 Nov 2024 17:42
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:03:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	211886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	350739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	296115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	130996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	363043	149.135	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 298.280%#			
35) Dibromofluoromethane	7.634	113	328532	146.077	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 292.160%#			
50) Toluene-d8	10.109	98	1324547	149.507	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 299.020%#			
62) 4-Bromofluorobenzene	12.407	95	434570	152.587	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 305.180%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	321802	156.466	ug/l	99
3) Chloromethane	2.068	50	381050	150.712	ug/l	97
4) Vinyl Chloride	2.208	62	380588	134.887	ug/l	99
5) Bromomethane	2.598	94	192082	136.310	ug/l	98
6) Chloroethane	2.738	64	227195	138.032	ug/l	99
7) Trichlorofluoromethane	3.062	101	578218	147.470	ug/l	99
8) Diethyl Ether	3.458	74	181261	146.519	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	333758	142.933	ug/l	99
10) Methyl Iodide	4.007	142	446636	142.799	ug/l	97
11) Tert butyl alcohol	4.891	59	104155	729.517	ug/l	99
12) 1,1-Dichloroethene	3.793	96	333059	144.094	ug/l	100
13) Acrolein	3.659	56	116557	773.250	ug/l	100
14) Allyl chloride	4.384	41	660146	147.694	ug/l	93
15) Acrylonitrile	5.061	53	379392	693.752	ug/l	99
16) Acetone	3.872	43	390697	669.485	ug/l	97
17) Carbon Disulfide	4.110	76	1114337	143.098	ug/l	100
18) Methyl Acetate	4.384	43	183151	134.637	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	855630	142.499	ug/l	98
20) Methylene Chloride	4.616	84	350664	141.893	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	362921	141.368	ug/l	93
22) Diisopropyl ether	6.024	45	1242472	141.056	ug/l	97
23) Vinyl Acetate	5.963	43	3500470	711.125	ug/l	99
24) 1,1-Dichloroethane	5.921	63	709814	142.745	ug/l	99
25) 2-Butanone	6.896	43	523049	696.197	ug/l	99
26) 2,2-Dichloropropane	6.884	77	608998	148.175	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	415289	146.869	ug/l	98
28) Bromochloromethane	7.250	49	302639	144.606	ug/l	97
29) Tetrahydrofuran	7.268	42	318185	708.605	ug/l	96
30) Chloroform	7.427	83	681143	141.851	ug/l	99
31) Cyclohexane	7.701	56	630214	138.877	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	624176	148.040	ug/l	98
36) 1,1-Dichloropropene	7.835	75	511136	148.798	ug/l	99
37) Ethyl Acetate	6.988	43	224596	140.226	ug/l	99
38) Carbon Tetrachloride	7.823	117	561195	156.470	ug/l	97
39) Methylcyclohexane	9.109	83	662542	154.113	ug/l	95
40) Benzene	8.085	78	1510257	150.024	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020343.D
Acq On : 19 Nov 2024 17:42
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Quant Time: Nov 20 01:03:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.219	41	132286	147.746 ug/l		94
42) 1,2-Dichloroethane	8.158	62	409666	150.765 ug/l		99
43) Isopropyl Acetate	8.195	43	465329	152.060 ug/l	#	89
44) Trichloroethene	8.865	130	356988	149.672 ug/l		99
45) 1,2-Dichloropropane	9.140	63	365003	151.971 ug/l		98
46) Dibromomethane	9.231	93	179946	146.176 ug/l		99
47) Bromodichloromethane	9.420	83	515924	151.819 ug/l		97
48) Methyl methacrylate	9.219	41	229979	157.189 ug/l		95
49) 1,4-Dioxane	9.237	88	35246	2782.975 ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	1150805	741.026 ug/l		100
52) Toluene	10.170	92	935063	151.970 ug/l		99
53) t-1,3-Dichloropropene	10.390	75	487634	151.743 ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	580042	157.678 ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	232403	142.225 ug/l		99
56) Ethyl methacrylate	10.438	69	372428	151.763 ug/l		99
57) 1,3-Dichloropropane	10.713	76	430536	146.608 ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	904374	777.210 ug/l		99
59) 2-Hexanone	10.761	43	815456	741.541 ug/l		99
60) Dibromochloromethane	10.908	129	315843	149.957 ug/l		99
61) 1,2-Dibromoethane	11.011	107	216859	143.217 ug/l		100
64) Tetrachloroethene	10.646	164	310822	145.616 ug/l		98
65) Chlorobenzene	11.438	112	963689	145.962 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	330635	149.908 ug/l		98
67) Ethyl Benzene	11.517	91	1832488	150.446 ug/l		100
68) m/p-Xylenes	11.627	106	1323776	301.724 ug/l		97
69) o-Xylene	11.956	106	627311	150.747 ug/l		97
70) Styrene	11.968	104	1055739	152.698 ug/l		98
71) Bromoform	12.127	173	172522	150.087 ug/l	#	99
73) Isopropylbenzene	12.255	105	1670748	150.561 ug/l		100
74) N-amyl acetate	12.066	43	426531	159.054 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	253871	141.554 ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	182550m	147.393 ug/l		
77) Bromobenzene	12.529	156	347120	149.303 ug/l		97
78) n-propylbenzene	12.596	91	2022361	151.856 ug/l		100
79) 2-Chlorotoluene	12.682	91	1147443	149.851 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	1341749	149.611 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	98926	156.997 ug/l		96
82) 4-Chlorotoluene	12.779	91	1178773	149.162 ug/l		97
83) tert-Butylbenzene	12.999	119	1207733	152.603 ug/l		98
84) 1,2,4-Trimethylbenzene	13.041	105	1334165	150.053 ug/l		99
85) sec-Butylbenzene	13.176	105	1742388	139.651 ug/l		99
86) p-Isopropyltoluene	13.291	119	1448758	150.180 ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	675457	143.686 ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	659854	146.911 ug/l		99
89) n-Butylbenzene	13.621	91	1410591	152.692 ug/l		99
90) Hexachloroethane	13.883	117	280814	150.820 ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	579091	147.851 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41248	140.161 ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	376647	159.045 ug/l		100
94) Hexachlorobutadiene	15.029	225	232003	160.494 ug/l		99
95) Naphthalene	15.145	128	664631	162.960 ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	316780	156.446 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020343.D
Acq On : 19 Nov 2024 17:42
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Quant Time: Nov 20 01:03:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

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

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

ICAL Form

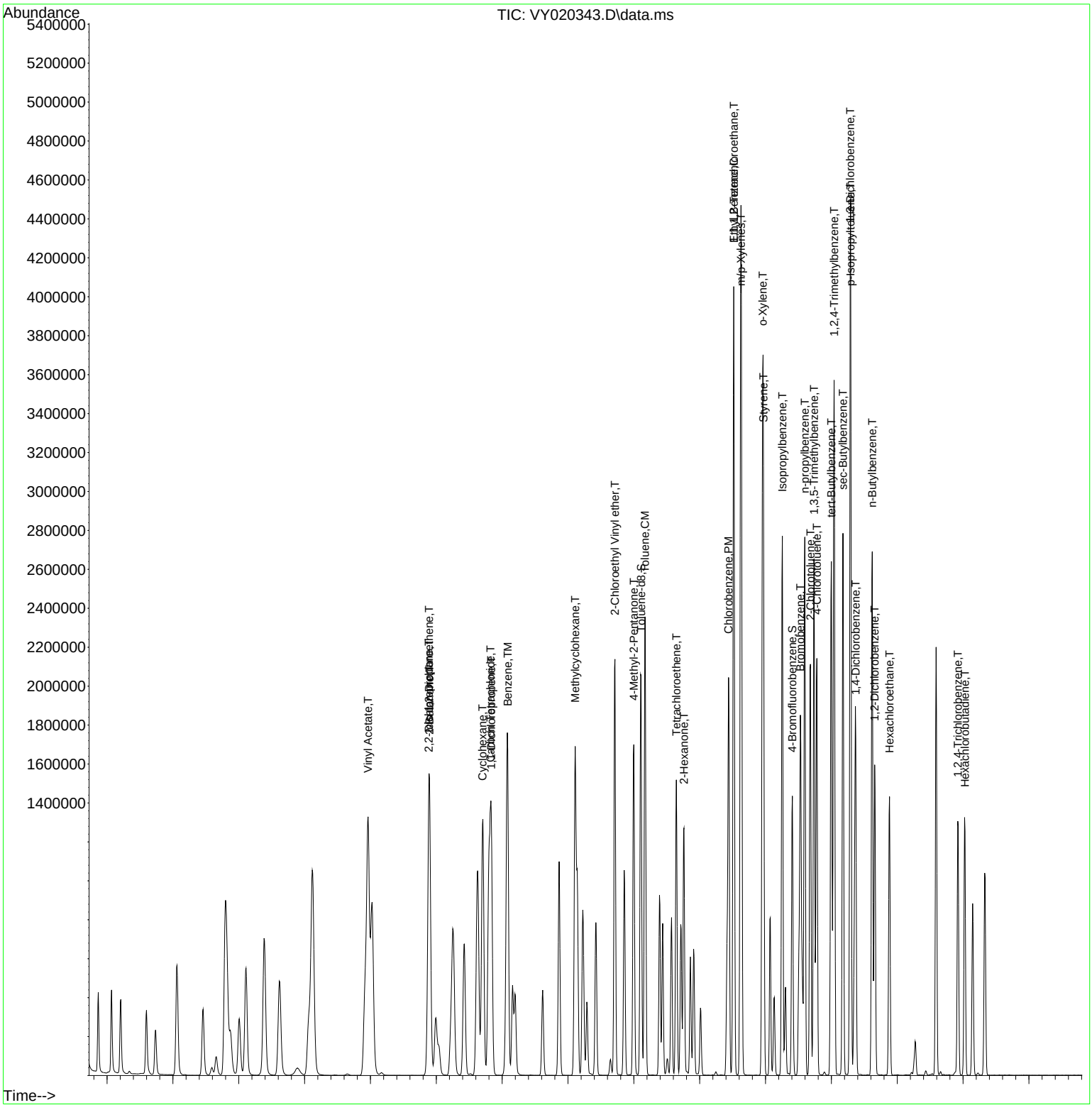
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020343.D
Acq On : 19 Nov 2024 17:42
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 20 01:03:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 00:48:27 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	218521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	364341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	309693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	110537	44.029	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.060%		
35) Dibromofluoromethane	7.634	113	97280	41.639	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	83.280%		
50) Toluene-d8	10.103	98	388428	42.207	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	84.420%		
62) 4-Bromofluorobenzene	12.408	95	130125	43.984	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	87.960%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	111072	52.365	ug/l	97
3) Chloromethane	2.068	50	125077	44.505	ug/l	99
4) Vinyl Chloride	2.208	62	123286	42.368	ug/l	99
5) Bromomethane	2.598	94	68717	47.284	ug/l	99
6) Chloroethane	2.739	64	75903	44.715	ug/l	99
7) Trichlorofluoromethane	3.062	101	199645	49.372	ug/l	99
8) Diethyl Ether	3.458	74	62415	48.920	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	113049	46.944	ug/l	98
10) Methyl Iodide	4.007	142	155561	48.226	ug/l	96
11) Tert butyl alcohol	4.872	59	41539	224.231	ug/l	100
12) 1,1-Dichloroethene	3.793	96	112225	47.078	ug/l	95
13) Acrolein	3.659	56	41518	267.071	ug/l	100
14) Allyl chloride	4.385	41	220954	47.933	ug/l	94
15) Acrylonitrile	5.061	53	143447	254.341	ug/l	99
16) Acetone	3.873	43	143018	237.630	ug/l	98
17) Carbon Disulfide	4.110	76	373607	46.520	ug/l	99
18) Methyl Acetate	4.385	43	70746	50.427	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	308971	49.895	ug/l	98
20) Methylene Chloride	4.616	84	123291	48.374	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	124677	47.091	ug/l	92
22) Diisopropyl ether	6.025	45	437612	48.173	ug/l	97
23) Vinyl Acetate	5.964	43	1280046	252.147	ug/l	99
24) 1,1-Dichloroethane	5.915	63	244354	47.648	ug/l	98
25) 2-Butanone	6.896	43	202028	260.742	ug/l	99
26) 2,2-Dichloropropane	6.890	77	205933	48.584	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	145516	49.900	ug/l	99
28) Bromochloromethane	7.250	49	103614	48.005	ug/l	96
29) Tetrahydrofuran	7.262	42	124725	269.331	ug/l	97
30) Chloroform	7.421	83	238810	48.223	ug/l	97
31) Cyclohexane	7.701	56	224125	47.890	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	219357	50.447	ug/l	97
36) 1,1-Dichloropropene	7.835	75	177989	49.880	ug/l	99
37) Ethyl Acetate	6.988	43	89280	54.618	ug/l	99
38) Carbon Tetrachloride	7.823	117	194915	52.317	ug/l	99
39) Methylcyclohexane	9.110	83	229207	51.325	ug/l	98
40) Benzene	8.079	78	531435	50.820	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	51821	55.717	ug/l		96
42) 1,2-Dichloroethane	8.158	62	148909	52.755	ug/l		99
43) Isopropyl Acetate	8.195	43	177020	55.687	ug/l		99
44) Trichloroethene	8.866	130	124155	50.110	ug/l		95
45) 1,2-Dichloropropane	9.140	63	126442	50.680	ug/l		99
46) Dibromomethane	9.231	93	64729	50.618	ug/l		99
47) Bromodichloromethane	9.420	83	180213	51.051	ug/l		98
48) Methyl methacrylate	9.219	41	84558	55.637	ug/l		95
49) 1,4-Dioxane	9.238	88	13548	1029.795	ug/l		90
51) 4-Methyl-2-Pentanone	10.000	43	442279	274.160	ug/l		100
52) Toluene	10.170	92	326653	51.107	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	172434	51.655	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	202123	52.893	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	85673	50.472	ug/l		98
56) Ethyl methacrylate	10.439	69	136602	53.587	ug/l		99
57) 1,3-Dichloropropane	10.713	76	159236	52.199	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	300898	248.935	ug/l		100
59) 2-Hexanone	10.762	43	313607	274.534	ug/l		99
60) Dibromochloromethane	10.908	129	114042	52.124	ug/l		99
61) 1,2-Dibromoethane	11.012	107	79188	50.344	ug/l		98
64) Tetrachloroethene	10.646	164	109940	49.247	ug/l		98
65) Chlorobenzene	11.438	112	338718	49.054	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.512	131	115723	50.168	ug/l		99
67) Ethyl Benzene	11.518	91	635246	49.867	ug/l		100
68) m/p-Xylenes	11.627	106	465220	101.387	ug/l		97
69) o-Xylene	11.957	106	221747	50.951	ug/l		99
70) Styrene	11.969	104	371095	51.321	ug/l		98
71) Bromoform	12.133	173	63418	52.752	ug/l	#	99
73) Isopropylbenzene	12.255	105	592489	49.433	ug/l		100
74) N-amyl acetate	12.072	43	158787	54.821	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	97478	50.321	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	71473m	53.595	ug/l		
77) Bromobenzene	12.530	156	124523	49.588	ug/l		96
78) n-propylbenzene	12.597	91	717478	49.879	ug/l		100
79) 2-Chlorotoluene	12.676	91	407383	49.257	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	478483	49.396	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	34976	51.391	ug/l		99
82) 4-Chlorotoluene	12.780	91	419222	49.114	ug/l		97
83) tert-Butylbenzene	12.999	119	433770	50.744	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	475972	49.562	ug/l		99
85) sec-Butylbenzene	13.176	105	620804	46.067	ug/l		100
86) p-Isopropyltoluene	13.292	119	516099	49.532	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	242241	47.709	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	239050	49.275	ug/l		99
89) n-Butylbenzene	13.615	91	497286	49.838	ug/l		99
90) Hexachloroethane	13.877	117	97244	48.355	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	212235	50.169	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15688	49.354	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	133013	52.001	ug/l		100
94) Hexachlorobutadiene	15.023	225	82641	52.929	ug/l		99
95) Naphthalene	15.145	128	250875	56.950	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	112500	51.439	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

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

ICAL Form

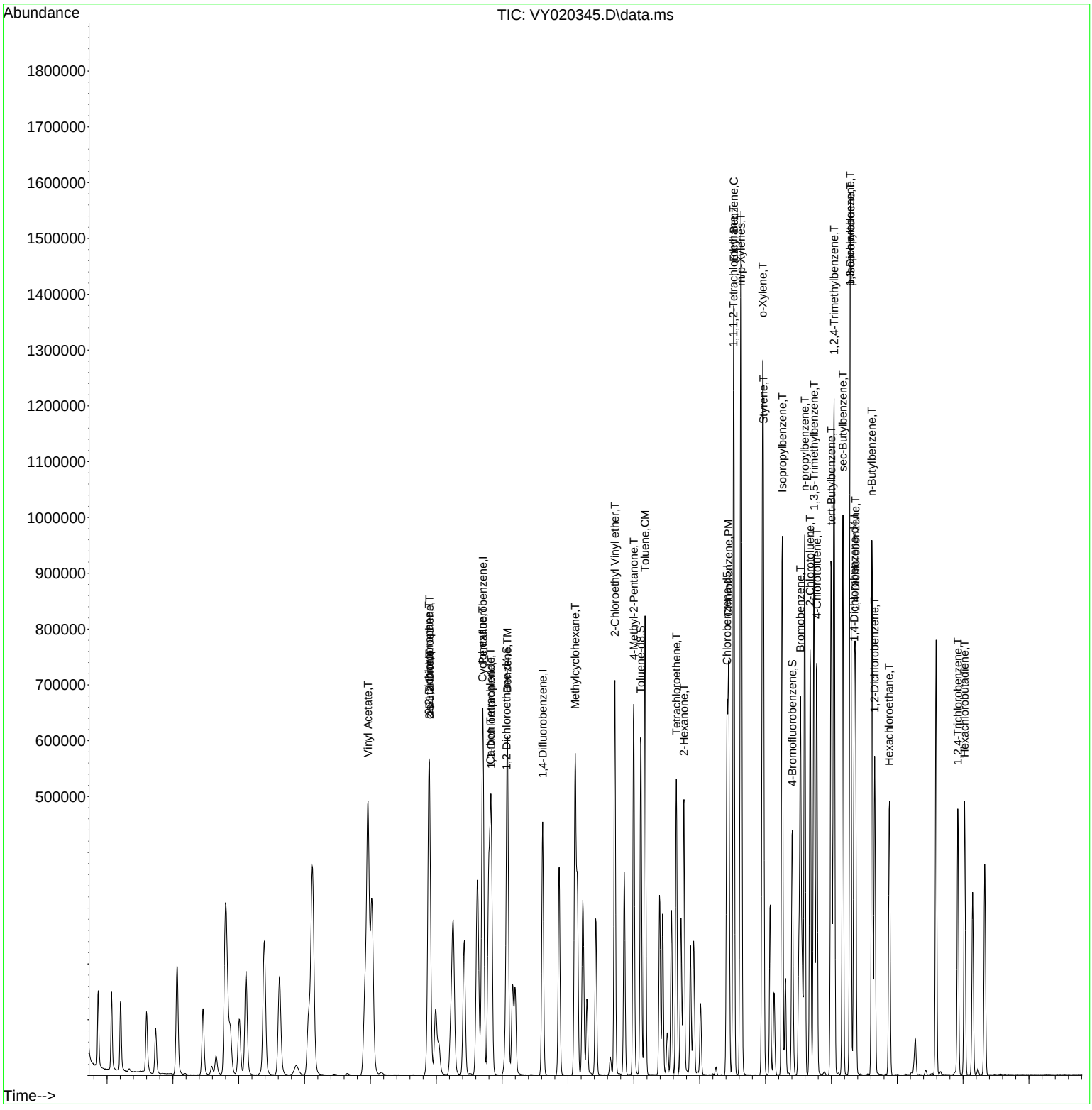
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/20/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	96	0.00
2	T	Dichlorodifluoromethane	0.485	0.508	-4.7	108	0.00
3	P	Chloromethane	0.735	0.572	22.2	81	0.00
4	C	Vinyl Chloride	0.666	0.564	15.3#	87	0.00
5	T	Bromomethane	0.333	0.314	5.7	96	0.00
6	T	Chloroethane	0.388	0.347	10.6	90	0.00
7	T	Trichlorofluoromethane	0.925	0.914	1.2	94	0.00
8	T	Diethyl Ether	0.292	0.286	2.1	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.517	6.2	84	0.00
10	T	Methyl Iodide	0.738	0.712	3.5	83	0.00
11	T	Tert butyl alcohol	0.044	0.038	13.6	101	0.00
12	CM	1,1-Dichloroethene	0.545	0.514	5.7#	84	0.00
13	T	Acrolein	0.036	0.038	-5.6	101	0.00
14	T	Allyl chloride	1.055	1.011	4.2	103	0.00
15	T	Acrylonitrile	0.129	0.131	-1.6	102	0.00
16	T	Acetone	0.138	0.131	5.1	79	0.00
17	T	Carbon Disulfide	1.838	1.710	7.0	79	0.00
18	T	Methyl Acetate	0.321	0.324	-0.9	103	0.00
19	T	Methyl tert-butyl Ether	1.417	1.414	0.2	97	0.00
20	T	Methylene Chloride	0.583	0.564	3.3	95	0.00
21	T	trans-1,2-Dichloroethene	0.606	0.571	5.8	91	0.00
22	T	Diisopropyl ether	2.079	2.003	3.7	96	0.00
23	T	Vinyl Acetate	1.162	1.172	-0.9	98	0.00
24	P	1,1-Dichloroethane	1.173	1.118	4.7	95	0.00
25	T	2-Butanone	0.177	0.185	-4.5	99	0.00
26	T	2,2-Dichloropropane	0.970	0.942	2.9	95	0.00
27	T	cis-1,2-Dichloroethene	0.667	0.666	0.1	93	0.00
28	T	Bromochloromethane	0.494	0.474	4.0	90	0.00
29	T	Tetrahydrofuran	0.106	0.114	-7.5	103	0.00
30	C	Chloroform	1.133	1.093	3.5#	85	0.00
31	T	Cyclohexane	1.071	1.026	4.2	95	0.00
32	T	1,1,1-Trichloroethane	0.995	1.004	-0.9	97	0.00
33	S	1,2-Dichloroethane-d4	0.574	0.506	11.8	76	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.321	0.267	16.8	72	0.00
36	T	1,1-Dichloropropene	0.490	0.489	0.2	93	0.00
37	T	Ethyl Acetate	0.224	0.245	-9.4	100	0.00
38	T	Carbon Tetrachloride	0.511	0.535	-4.7	97	0.00
39	T	Methylcyclohexane	0.613	0.629	-2.6	94	0.00
40	TM	Benzene	1.435	1.459	-1.7	94	0.00
41	T	Methacrylonitrile	0.128	0.142	-10.9	105	0.00
42	TM	1,2-Dichloroethane	0.387	0.409	-5.7	97	0.00
43	T	Isopropyl Acetate	0.436	0.486	-11.5	100	0.00
44	TM	Trichloroethene	0.340	0.341	-0.3	92	0.00
45	C	1,2-Dichloropropane	0.342	0.347	-1.5#	94	0.00
46	T	Dibromomethane	0.175	0.178	-1.7	90	0.00
47	T	Bromodichloromethane	0.484	0.495	-2.3	87	0.00
48	T	Methyl methacrylate	0.209	0.232	-11.0	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	92	0.00
50	S	Toluene-d8	1.263	1.066	15.6	66	0.00
51	T	4-Methyl-2-Pentanone	0.221	0.243	-10.0	86	0.00
52	CM	Toluene	0.877	0.897	-2.3#	91	0.00
53	T	t-1,3-Dichloropropene	0.458	0.473	-3.3	92	0.00
54	T	cis-1,3-Dichloropropene	0.524	0.555	-5.9	95	0.00
55	T	1,1,2-Trichloroethane	0.233	0.235	-0.9	93	0.00
56	T	Ethyl methacrylate	0.350	0.375	-7.1	92	0.00
57	T	1,3-Dichloropropane	0.419	0.437	-4.3	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.166	0.165	0.6	92	0.00
59	T	2-Hexanone	0.157	0.172	-9.6	87	0.00
60	T	Dibromochloromethane	0.300	0.313	-4.3	89	0.00
61	T	1,2-Dibromoethane	0.216	0.217	-0.5	87	0.00
62	S	4-Bromofluorobenzene	0.406	0.357	12.1	72	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.360	0.355	1.4	92	0.00
65	PM	Chlorobenzene	1.115	1.094	1.9	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.374	-0.5	87	0.00
67	C	Ethyl Benzene	2.057	2.051	0.3#	86	0.00
68	T	m/p-Xylenes	0.741	0.751	-1.3	91	0.00
69	T	o-Xylene	0.703	0.716	-1.8	92	0.00
70	T	Styrene	1.167	1.198	-2.7	91	0.00
71	P	Bromoform	0.194	0.205	-5.7	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	4.236	4.188	1.1	92	0.00
74	T	N-amyl acetate	1.024	1.122	-9.6	97	0.00
75	P	1,1,2,2-Tetrachloroethane	0.685	0.689	-0.6	90	0.00
76	T	1,2,3-Trichloropropane	0.471	0.505	-7.2	93	0.00
77	T	Bromobenzene	0.887	0.880	0.8	90	0.00
78	T	n-propylbenzene	5.083	5.071	0.2	92	0.00
79	T	2-Chlorotoluene	2.923	2.879	1.5	94	0.00
80	T	1,3,5-Trimethylbenzene	3.423	3.382	1.2	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.241	0.247	-2.5	91	0.00
82	T	4-Chlorotoluene	3.016	2.963	1.8	95	0.00
83	T	tert-Butylbenzene	3.021	3.066	-1.5	94	0.00
84	T	1,2,4-Trimethylbenzene	3.394	3.364	0.9	94	0.00
85	T	sec-Butylbenzene	4.762	4.388	7.9	82	0.00
86	T	p-Isopropyltoluene	3.682	3.648	0.9	90	0.00
87	T	1,3-Dichlorobenzene	1.794	1.712	4.6	88	0.00
88	T	1,4-Dichlorobenzene	1.714	1.690	1.4	92	0.00
89	T	n-Butylbenzene	3.526	3.515	0.3	91	0.00
90	T	Hexachloroethane	0.711	0.687	3.4	84	0.00
91	T	1,2-Dichlorobenzene	1.495	1.500	-0.3	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.112	0.111	0.9	88	0.00
93	T	1,2,4-Trichlorobenzene	0.904	0.940	-4.0	100	0.00
94	T	Hexachlorobutadiene	0.552	0.584	-5.8	102	0.00
95	T	Naphthalene	1.557	1.773	-13.9	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.773	0.795	-2.8	101	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\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	96	0.00
2	T	Dichlorodifluoromethane	50.000	52.365	-4.7	108	0.00
3	P	Chloromethane	50.000	44.505	11.0	81	0.00
4	C	Vinyl Chloride	50.000	42.368	15.3#	87	0.00
5	T	Bromomethane	50.000	47.284	5.4	96	0.00
6	T	Chloroethane	50.000	44.715	10.6	90	0.00
7	T	Trichlorofluoromethane	50.000	49.372	1.3	94	0.00
8	T	Diethyl Ether	50.000	48.920	2.2	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.944	6.1	84	0.00
10	T	Methyl Iodide	50.000	48.226	3.5	83	0.00
11	T	Tert butyl alcohol	250.000	224.231	10.3	101	0.00
12	CM	1,1-Dichloroethene	50.000	47.078	5.8#	84	0.00
13	T	Acrolein	250.000	267.071	-6.8	101	0.00
14	T	Allyl chloride	50.000	47.933	4.1	103	0.00
15	T	Acrylonitrile	250.000	254.341	-1.7	102	0.00
16	T	Acetone	250.000	237.630	4.9	79	0.00
17	T	Carbon Disulfide	50.000	46.520	7.0	79	0.00
18	T	Methyl Acetate	50.000	50.427	-0.9	103	0.00
19	T	Methyl tert-butyl Ether	50.000	49.895	0.2	97	0.00
20	T	Methylene Chloride	50.000	48.374	3.3	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.091	5.8	91	0.00
22	T	Diisopropyl ether	50.000	48.173	3.7	96	0.00
23	T	Vinyl Acetate	250.000	252.147	-0.9	98	0.00
24	P	1,1-Dichloroethane	50.000	47.648	4.7	95	0.00
25	T	2-Butanone	250.000	260.742	-4.3	99	0.00
26	T	2,2-Dichloropropane	50.000	48.584	2.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.900	0.2	93	0.00
28	T	Bromochloromethane	50.000	48.005	4.0	90	0.00
29	T	Tetrahydrofuran	250.000	269.331	-7.7	103	0.00
30	C	Chloroform	50.000	48.223	3.6#	85	0.00
31	T	Cyclohexane	50.000	47.890	4.2	95	0.00
32	T	1,1,1-Trichloroethane	50.000	50.447	-0.9	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.029	11.9	76	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	41.639	16.7	72	0.00
36	T	1,1-Dichloropropene	50.000	49.880	0.2	93	0.00
37	T	Ethyl Acetate	50.000	54.618	-9.2	100	0.00
38	T	Carbon Tetrachloride	50.000	52.317	-4.6	97	0.00
39	T	Methylcyclohexane	50.000	51.325	-2.7	94	0.00
40	TM	Benzene	50.000	50.820	-1.6	94	0.00
41	T	Methacrylonitrile	50.000	55.717	-11.4	105	0.00
42	TM	1,2-Dichloroethane	50.000	52.755	-5.5	97	0.00
43	T	Isopropyl Acetate	50.000	55.687	-11.4	100	0.00
44	TM	Trichloroethene	50.000	50.110	-0.2	92	0.00
45	C	1,2-Dichloropropane	50.000	50.680	-1.4#	94	0.00
46	T	Dibromomethane	50.000	50.618	-1.2	90	0.00
47	T	Bromodichloromethane	50.000	51.051	-2.1	87	0.00
48	T	Methyl methacrylate	50.000	55.637	-11.3	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1029.795	-3.0	92	0.00
50	S	Toluene-d8	50.000	42.207	15.6	66	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.160	-9.7	86	0.00
52	CM	Toluene	50.000	51.107	-2.2#	91	0.00
53	T	t-1,3-Dichloropropene	50.000	51.655	-3.3	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.893	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.472	-0.9	93	0.00
56	T	Ethyl methacrylate	50.000	53.587	-7.2	92	0.00
57	T	1,3-Dichloropropane	50.000	52.199	-4.4	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	248.935	0.4	92	0.00
59	T	2-Hexanone	250.000	274.534	-9.8	87	0.00
60	T	Dibromochloromethane	50.000	52.124	-4.2	89	0.00
61	T	1,2-Dibromoethane	50.000	50.344	-0.7	87	0.00
62	S	4-Bromofluorobenzene	50.000	43.984	12.0	72	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	49.247	1.5	92	0.00
65	PM	Chlorobenzene	50.000	49.054	1.9	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.168	-0.3	87	0.00
67	C	Ethyl Benzene	50.000	49.867	0.3#	86	0.00
68	T	m/p-Xylenes	100.000	101.387	-1.4	91	0.00
69	T	o-Xylene	50.000	50.951	-1.9	92	0.00
70	T	Styrene	50.000	51.321	-2.6	91	0.00
71	P	Bromoform	50.000	52.752	-5.5	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	49.433	1.1	92	0.00
74	T	N-amyl acetate	50.000	54.821	-9.6	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.321	-0.6	90	0.00
76	T	1,2,3-Trichloropropane	50.000	53.595	-7.2	93	0.00
77	T	Bromobenzene	50.000	49.588	0.8	90	0.00
78	T	n-propylbenzene	50.000	49.879	0.2	92	0.00
79	T	2-Chlorotoluene	50.000	49.257	1.5	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.396	1.2	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.391	-2.8	91	0.00
82	T	4-Chlorotoluene	50.000	49.114	1.8	95	0.00
83	T	tert-Butylbenzene	50.000	50.744	-1.5	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.562	0.9	94	0.00
85	T	sec-Butylbenzene	50.000	46.067	7.9	82	0.00
86	T	p-Isopropyltoluene	50.000	49.532	0.9	90	0.00
87	T	1,3-Dichlorobenzene	50.000	47.709	4.6	88	0.00
88	T	1,4-Dichlorobenzene	50.000	49.275	1.5	92	0.00
89	T	n-Butylbenzene	50.000	49.838	0.3	91	0.00
90	T	Hexachloroethane	50.000	48.355	3.3	84	0.00
91	T	1,2-Dichlorobenzene	50.000	50.169	-0.3	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.354	1.3	88	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.001	-4.0	100	0.00
94	T	Hexachlorobutadiene	50.000	52.929	-5.9	102	0.00
95	T	Naphthalene	50.000	56.950	-13.9	103	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020345.D
Acq On : 19 Nov 2024 18:52
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY111924

Quant Time: Nov 20 04:42:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:33:54 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.439	-2.9	101	0.00

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

Raw Data: **VN084960.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.624		8.52	20
Chloromethane	0.952	0.671	0.1	-29.52	20
Vinyl Chloride	0.618	0.652		5.5	20
Bromomethane	0.328	0.340		3.66	20
Chloroethane	0.488	0.408		-16.39	20
Trichlorofluoromethane	1.018	1.068		4.91	20
1,1,2-Trichlorotrifluoroethane	0.575	0.616		7.13	20
1,1-Dichloroethene	0.569	0.576		1.23	20
Acetone	0.238	0.200		-15.97	20
Carbon Disulfide	1.753	1.680		-4.16	20
Methyl tert-butyl Ether	1.745	1.961		12.38	20
Methyl Acetate	1.172	0.768		-34.47	20
Methylene Chloride	0.635	0.652		2.68	20
trans-1,2-Dichloroethene	0.585	0.594		1.54	20
1,1-Dichloroethane	1.102	1.147	0.1	4.08	20
Cyclohexane	0.997	1.018		2.11	20
2-Butanone	0.337	0.365		8.31	20
Carbon Tetrachloride	0.525	0.576		9.71	20
cis-1,2-Dichloroethene	0.683	0.719		5.27	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.121	1.175		4.82	20
1,1,1-Trichloroethane	1.021	1.085		6.27	20
Methylcyclohexane	0.478	0.571		19.46	20
Benzene	1.507	1.573		4.38	20
1,2-Dichloroethane	0.488	0.528		8.2	20
Trichloroethene	0.348	0.365		4.89	20
1,2-Dichloropropane	0.354	0.384		8.48	20
Bromodichloromethane	0.526	0.569		8.18	20
4-Methyl-2-Pentanone	0.406	0.504		24.14	20
Toluene	0.882	0.995		12.81	20
t-1,3-Dichloropropene	0.544	0.592		8.82	20
cis-1,3-Dichloropropene	0.576	0.634		10.07	20
1,1,2-Trichloroethane	0.332	0.361		8.73	20
2-Hexanone	0.296	0.396		33.78	20
Dibromochloromethane	0.378	0.434		14.81	20
1,2-Dibromoethane	0.340	0.370		8.82	20
Tetrachloroethene	0.333	0.356		6.91	20
Chlorobenzene	1.119	1.182	0.3	5.63	20

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

Raw Data: **VN084960.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	2.112		13.12	20
m/p-Xylenes	0.707	0.815		15.28	20
o-Xylene	0.661	0.779		17.85	20
Styrene	1.154	1.329		15.16	20
Bromoform	0.293	0.330	0.1	12.63	20
Isopropylbenzene	3.504	3.902		11.36	20
1,1,2,2-Tetrachloroethane	1.170	1.194	0.3	2.05	20
1,3-Dichlorobenzene	1.838	1.743		-5.17	20
1,4-Dichlorobenzene	1.937	1.741		-10.12	20
1,2-Dichlorobenzene	1.766	1.729		-2.1	20
1,2-Dibromo-3-Chloropropane	0.237	0.253		6.75	20
1,2,4-Trichlorobenzene	0.967	0.914		-5.48	20
1,2,3-Trichlorobenzene	0.939	0.869		-7.45	20
1,2-Dichloroethane-d4	0.722	0.653		-9.56	20
Dibromofluoromethane	0.338	0.317		-6.21	20
Toluene-d8	1.247	1.145		-8.18	20
4-Bromofluorobenzene	0.466	0.449		-3.65	20

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

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107759	45.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.440%			
35) Dibromofluoromethane	8.159	113	85890	46.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.540%			
50) Toluene-d8	10.565	98	310714	45.930	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.860%			
62) 4-Bromofluorobenzene	12.847	95	121953	48.235	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	102999	54.304	ug/l	94
3) Chloromethane	2.359	50	110719	49.734	ug/l	98
4) Vinyl Chloride	2.512	62	107639	52.764	ug/l	98
5) Bromomethane	2.900	94	56156	51.955	ug/l	97
6) Chloroethane	3.071	64	67311	53.398	ug/l	94
7) Trichlorofluoromethane	3.471	101	176242	52.445	ug/l	98
8) Diethyl Ether	3.953	74	63921	53.922	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	101609	53.510	ug/l	100
10) Methyl Iodide	4.571	142	137664	54.245	ug/l	95
11) Tert butyl alcohol	5.541	59	90985	289.250	ug/l	99
12) 1,1-Dichloroethene	4.324	96	95095	50.612	ug/l	97
13) Acrolein	4.177	56	83697	266.836	ug/l	98
14) Allyl chloride	5.012	41	161833	53.110	ug/l	93
15) Acrylonitrile	5.718	53	255741	280.842	ug/l	99
16) Acetone	4.430	43	165010	239.592	ug/l	97
17) Carbon Disulfide	4.700	76	277268	47.919	ug/l	100
18) Methyl Acetate	5.024	43	126759	50.446	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	323521	56.177	ug/l	97
20) Methylene Chloride	5.265	84	107519	51.299	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	97972	50.781	ug/l	98
22) Diisopropyl ether	6.665	45	326570	53.937	ug/l	97
23) Vinyl Acetate	6.594	43	1220460	292.299	ug/l	99
24) 1,1-Dichloroethane	6.565	63	189216	52.053	ug/l	99
25) 2-Butanone	7.482	43	301402	271.102	ug/l	98
26) 2,2-Dichloropropane	7.482	77	175340	55.420	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118648	52.668	ug/l	96
28) Bromochloromethane	7.812	49	72293	49.917	ug/l	92
29) Tetrahydrofuran	7.835	42	216108	293.003	ug/l	95
30) Chloroform	7.965	83	193933	52.416	ug/l	97
31) Cyclohexane	8.253	56	167902	51.034	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	178940	53.137	ug/l	98
36) 1,1-Dichloropropene	8.365	75	137824	54.113	ug/l	100
37) Ethyl Acetate	7.559	43	134705	58.292	ug/l	97
38) Carbon Tetrachloride	8.359	117	156315	54.908	ug/l	99
39) Methylcyclohexane	9.600	83	154889	59.777	ug/l	98
40) Benzene	8.606	78	426723	52.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	78926	63.513	ug/l		99
42) 1,2-Dichloroethane	8.665	62	143286	54.090	ug/l		99
43) Isopropyl Acetate	8.688	43	242469	56.930	ug/l		100
44) Trichloroethene	9.347	130	99056	52.511	ug/l		100
45) 1,2-Dichloropropane	9.618	63	104248	54.331	ug/l		96
46) Dibromomethane	9.706	93	73957	54.624	ug/l		99
47) Bromodichloromethane	9.888	83	154269	54.053	ug/l		99
48) Methyl methacrylate	9.676	41	109069	60.645	ug/l		97
49) 1,4-Dioxane	9.700	88	36313	1139.408	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	683902	310.450	ug/l		98
52) Toluene	10.629	92	270072	56.456	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	160608	54.366	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	172110	55.045	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	98018	54.394	ug/l		96
56) Ethyl methacrylate	10.870	69	165749	63.590	ug/l		96
57) 1,3-Dichloropropane	11.165	76	172010	55.619	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	371343	304.461	ug/l		98
59) 2-Hexanone	11.194	43	536530	334.603	ug/l		98
60) Dibromochloromethane	11.359	129	117689	57.305	ug/l		100
61) 1,2-Dibromoethane	11.465	107	100326	54.368	ug/l		100
64) Tetrachloroethene	11.100	164	85588	53.532	ug/l		97
65) Chlorobenzene	11.888	112	284076	52.828	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	101276	54.146	ug/l		99
67) Ethyl Benzene	11.965	91	507651	56.556	ug/l		100
68) m/p-Xylenes	12.070	106	391940	115.337	ug/l		100
69) o-Xylene	12.394	106	187331	58.928	ug/l		99
70) Styrene	12.412	104	319362	57.589	ug/l		100
71) Bromoform	12.576	173	79345	56.375	ug/l	#	99
73) Isopropylbenzene	12.694	105	479086	55.679	ug/l		99
74) N-amyl acetate	12.494	43	205323	56.065	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	146589	51.040	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	125143m	50.987	ug/l		
77) Bromobenzene	12.976	156	113414	49.030	ug/l		98
78) n-propylbenzene	13.035	91	563327	55.869	ug/l		99
79) 2-Chlorotoluene	13.123	91	349601	53.064	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	407010	57.072	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	56982	55.078	ug/l		94
82) 4-Chlorotoluene	13.217	91	353895	51.041	ug/l		99
83) tert-Butylbenzene	13.435	119	348071	58.973	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	414294	56.287	ug/l		99
85) sec-Butylbenzene	13.611	105	467025	56.017	ug/l		99
86) p-Isopropyltoluene	13.729	119	401222	58.679	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	213991	47.403	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	213744	51.698	ug/l		99
89) n-Butylbenzene	14.053	91	339784	53.124	ug/l		99
90) Hexachloroethane	14.335	117	75005	49.189	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	212272	48.934	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31109	53.467	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	112274	47.286	ug/l		99
94) Hexachlorobutadiene	15.500	225	49818	47.779	ug/l		98
95) Naphthalene	15.641	128	368434	51.842	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	106677	46.284	ug/l		99

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

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

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

Sample Results: **VN084960.D**

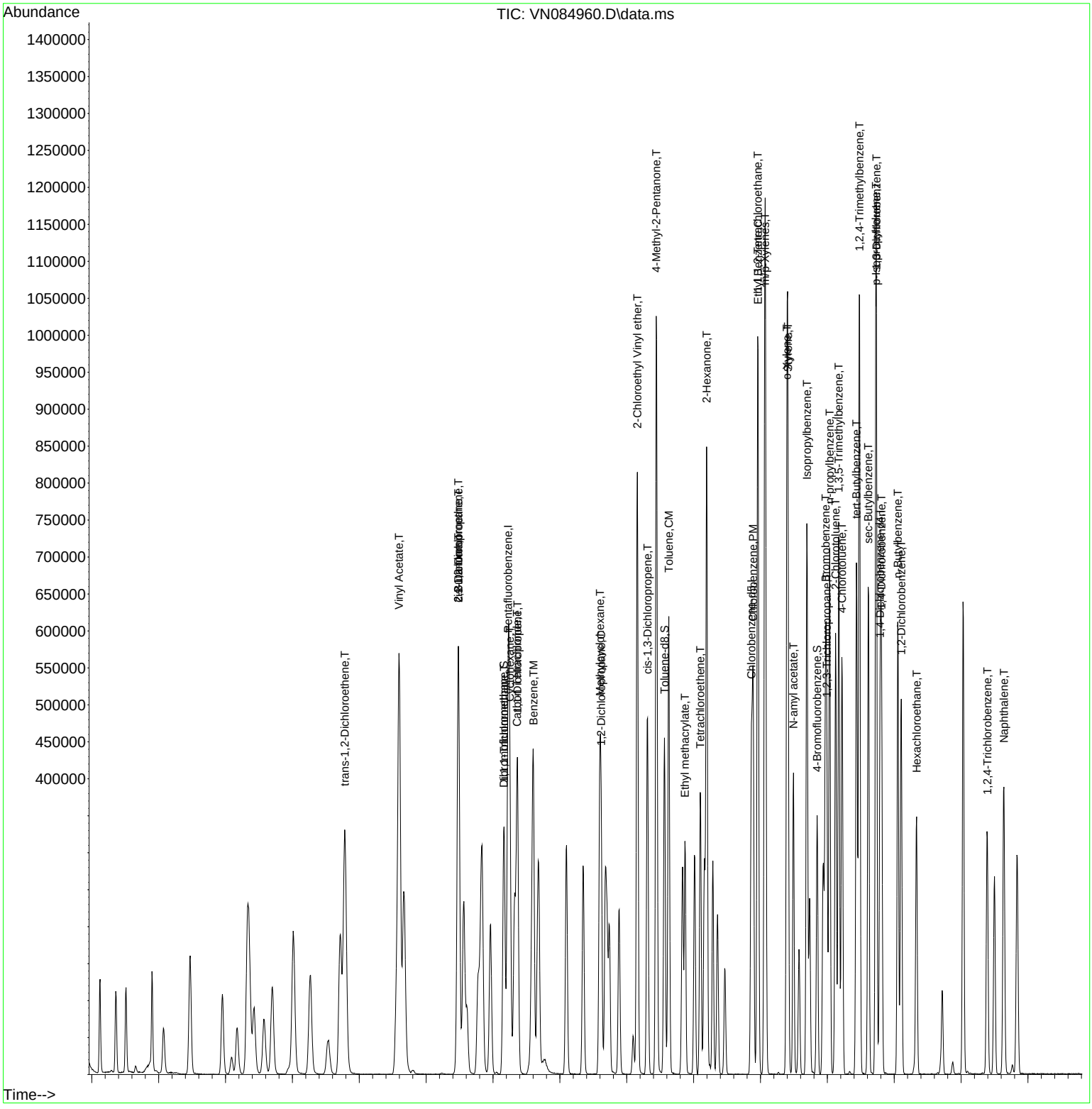
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	0.575	0.624	-8.5	100	0.00
3	P	Chloromethane	0.952	0.671	29.5#	88	0.00
4	C	Vinyl Chloride	0.618	0.652	-5.5#	95	0.00
5	T	Bromomethane	0.328	0.340	-3.7	102	-0.05
6	T	Chloroethane	0.488	0.408	16.4	96	-0.05
7	T	Trichlorofluoromethane	1.018	1.068	-4.9	98	-0.02
8	T	Diethyl Ether	0.359	0.387	-7.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.616	-7.1	98	-0.02
10	T	Methyl Iodide	0.769	0.834	-8.5	100	-0.02
11	T	Tert butyl alcohol	0.095	0.110	-15.8	113	0.02
12	CM	1,1-Dichloroethene	0.569	0.576	-1.2#	95	-0.02
13	T	Acrolein	0.095	0.101	-6.3	102	0.00
14	T	Allyl chloride	0.923	0.981	-6.3	95	-0.01
15	T	Acrylonitrile	0.276	0.310	-12.3	101	0.00
16	T	Acetone	0.238	0.200	16.0	87	0.00
17	T	Carbon Disulfide	1.753	1.680	4.2	93	-0.01
18	T	Methyl Acetate	1.172	0.768	34.5#	91	0.00
19	T	Methyl tert-butyl Ether	1.745	1.961	-12.4	99	0.00
20	T	Methylene Chloride	0.635	0.652	-2.7	96	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.594	-1.5	93	0.00
22	T	Diisopropyl ether	1.835	1.979	-7.8	94	0.00
23	T	Vinyl Acetate	1.265	1.479	-16.9	101	0.00
24	P	1,1-Dichloroethane	1.102	1.147	-4.1	95	0.00
25	T	2-Butanone	0.337	0.365	-8.3	102	0.00
26	T	2,2-Dichloropropane	0.959	1.063	-10.8	100	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.719	-5.3	96	0.00
28	T	Bromochloromethane	0.439	0.438	0.2	76	0.00
29	T	Tetrahydrofuran	0.224	0.262	-17.0	104	0.00
30	C	Chloroform	1.121	1.175	-4.8#	96	0.00
31	T	Cyclohexane	0.997	1.018	-2.1	96	0.00
32	T	1,1,1-Trichloroethane	1.021	1.085	-6.3	97	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.653	9.6	80	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.338	0.317	6.2	80	0.00
36	T	1,1-Dichloropropene	0.469	0.508	-8.3	98	0.00
37	T	Ethyl Acetate	0.426	0.496	-16.4	103	0.00
38	T	Carbon Tetrachloride	0.525	0.576	-9.7	98	0.00
39	T	Methylcyclohexane	0.478	0.571	-19.5	98	0.00
40	TM	Benzene	1.507	1.573	-4.4	95	0.00
41	T	Methacrylonitrile	0.229	0.291	-27.1#	103	0.00
42	TM	1,2-Dichloroethane	0.488	0.528	-8.2	93	0.00
43	T	Isopropyl Acetate	0.927	0.894	3.6	103	0.00
44	TM	Trichloroethene	0.348	0.365	-4.9	95	0.00
45	C	1,2-Dichloropropane	0.354	0.384	-8.5#	96	0.00
46	T	Dibromomethane	0.250	0.273	-9.2	97	0.00
47	T	Bromodichloromethane	0.526	0.569	-8.2	95	0.00
48	T	Methyl methacrylate	0.331	0.402	-21.5	101	0.00

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	96	0.00
50	S	Toluene-d8	1.247	1.145	8.2	77	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.504	-24.1	104	0.00
52	CM	Toluene	0.882	0.995	-12.8#	96	0.00
53	T	t-1,3-Dichloropropene	0.544	0.592	-8.8	95	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.634	-10.1	95	0.00
55	T	1,1,2-Trichloroethane	0.332	0.361	-8.7	96	0.00
56	T	Ethyl methacrylate	0.480	0.611	-27.3#	99	0.00
57	T	1,3-Dichloropropane	0.570	0.634	-11.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.274	-21.8	91	0.00
59	T	2-Hexanone	0.296	0.396	-33.8#	111	0.00
60	T	Dibromochloromethane	0.378	0.434	-14.8	96	0.00
61	T	1,2-Dibromoethane	0.340	0.370	-8.8	97	0.00
62	S	4-Bromofluorobenzene	0.466	0.449	3.6	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64	T	Tetrachloroethene	0.333	0.356	-6.9	98	0.00
65	PM	Chlorobenzene	1.119	1.182	-5.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.421	-8.2	97	0.00
67	C	Ethyl Benzene	1.867	2.112	-13.1#	96	0.00
68	T	m/p-Xylenes	0.707	0.815	-15.3	96	0.00
69	T	o-Xylene	0.661	0.779	-17.9	97	0.00
70	T	Styrene	1.154	1.329	-15.2	95	0.00
71	P	Bromoform	0.293	0.330	-12.6	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73	T	Isopropylbenzene	3.504	3.902	-11.4	97	0.00
74	T	N-amyl acetate	1.491	1.672	-12.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.194	-2.1	99	0.00
76	T	1,2,3-Trichloropropane	0.999	1.019	-2.0	102	0.00
77	T	Bromobenzene	0.942	0.924	1.9	93	0.00
78	T	n-propylbenzene	4.106	4.588	-11.7	96	0.00
79	T	2-Chlorotoluene	2.683	2.847	-6.1	96	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.315	-14.2	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.464	-10.2	103	0.00
82	T	4-Chlorotoluene	2.823	2.882	-2.1	94	0.00
83	T	tert-Butylbenzene	2.403	2.835	-18.0	99	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.374	-12.6	95	0.00
85	T	sec-Butylbenzene	3.395	3.804	-12.0	95	0.00
86	T	p-Isopropyltoluene	2.784	3.268	-17.4	95	0.00
87	T	1,3-Dichlorobenzene	1.838	1.743	5.2	93	0.00
88	T	1,4-Dichlorobenzene	1.937	1.741	10.1	92	0.00
89	T	n-Butylbenzene	2.605	2.767	-6.2	94	0.00
90	T	Hexachloroethane	0.621	0.611	1.6	92	0.00
91	T	1,2-Dichlorobenzene	1.766	1.729	2.1	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.253	-6.8	104	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.914	5.5	94	0.00
94	T	Hexachlorobutadiene	0.425	0.406	4.5	98	0.00
95	T	Naphthalene	2.894	3.001	-3.7	96	0.00

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.869	7.5	92	0.00

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

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	50.000	54.304	-8.6	100	0.00
3	P	Chloromethane	50.000	49.734	0.5	88	0.00
4	C	Vinyl Chloride	50.000	52.764	-5.5#	95	0.00
5	T	Bromomethane	50.000	51.955	-3.9	102	-0.05
6	T	Chloroethane	50.000	53.398	-6.8	96	-0.05
7	T	Trichlorofluoromethane	50.000	52.445	-4.9	98	-0.02
8	T	Diethyl Ether	50.000	53.922	-7.8	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.510	-7.0	98	-0.02
10	T	Methyl Iodide	50.000	54.245	-8.5	100	-0.02
11	T	Tert butyl alcohol	250.000	289.250	-15.7	113	0.02
12	CM	1,1-Dichloroethene	50.000	50.612	-1.2#	95	-0.02
13	T	Acrolein	250.000	266.836	-6.7	102	0.00
14	T	Allyl chloride	50.000	53.110	-6.2	95	-0.01
15	T	Acrylonitrile	250.000	280.842	-12.3	101	0.00
16	T	Acetone	250.000	239.592	4.2	87	0.00
17	T	Carbon Disulfide	50.000	47.919	4.2	93	-0.01
18	T	Methyl Acetate	50.000	50.446	-0.9	91	0.00
19	T	Methyl tert-butyl Ether	50.000	56.177	-12.4	99	0.00
20	T	Methylene Chloride	50.000	51.299	-2.6	96	-0.01
21	T	trans-1,2-Dichloroethene	50.000	50.781	-1.6	93	0.00
22	T	Diisopropyl ether	50.000	53.937	-7.9	94	0.00
23	T	Vinyl Acetate	250.000	292.299	-16.9	101	0.00
24	P	1,1-Dichloroethane	50.000	52.053	-4.1	95	0.00
25	T	2-Butanone	250.000	271.102	-8.4	102	0.00
26	T	2,2-Dichloropropane	50.000	55.420	-10.8	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.668	-5.3	96	0.00
28	T	Bromochloromethane	50.000	49.917	0.2	76	0.00
29	T	Tetrahydrofuran	250.000	293.003	-17.2	104	0.00
30	C	Chloroform	50.000	52.416	-4.8#	96	0.00
31	T	Cyclohexane	50.000	51.034	-2.1	96	0.00
32	T	1,1,1-Trichloroethane	50.000	53.137	-6.3	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.219	9.6	80	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	46.769	6.5	80	0.00
36	T	1,1-Dichloropropene	50.000	54.113	-8.2	98	0.00
37	T	Ethyl Acetate	50.000	58.292	-16.6	103	0.00
38	T	Carbon Tetrachloride	50.000	54.908	-9.8	98	0.00
39	T	Methylcyclohexane	50.000	59.777	-19.6	98	0.00
40	TM	Benzene	50.000	52.170	-4.3	95	0.00
41	T	Methacrylonitrile	50.000	63.513	-27.0#	103	0.00
42	TM	1,2-Dichloroethane	50.000	54.090	-8.2	93	0.00
43	T	Isopropyl Acetate	50.000	56.930	-13.9	103	0.00
44	TM	Trichloroethene	50.000	52.511	-5.0	95	0.00
45	C	1,2-Dichloropropane	50.000	54.331	-8.7#	96	0.00
46	T	Dibromomethane	50.000	54.624	-9.2	97	0.00
47	T	Bromodichloromethane	50.000	54.053	-8.1	95	0.00
48	T	Methyl methacrylate	50.000	60.645	-21.3	101	0.00

Sample Results: **VN084960.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1139.408	-13.9	96	0.00
50	S	Toluene-d8	50.000	45.930	8.1	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	310.450	-24.2	104	0.00
52	CM	Toluene	50.000	56.456	-12.9#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	54.366	-8.7	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.045	-10.1	95	0.00
55	T	1,1,2-Trichloroethane	50.000	54.394	-8.8	96	0.00
56	T	Ethyl methacrylate	50.000	63.590	-27.2#	99	0.00
57	T	1,3-Dichloropropane	50.000	55.619	-11.2	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	304.461	-21.8	91	0.00
59	T	2-Hexanone	250.000	334.603	-33.8#	111	0.00
60	T	Dibromochloromethane	50.000	57.305	-14.6	96	0.00
61	T	1,2-Dibromoethane	50.000	54.368	-8.7	97	0.00
62	S	4-Bromofluorobenzene	50.000	48.235	3.5	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64	T	Tetrachloroethene	50.000	53.532	-7.1	98	0.00
65	PM	Chlorobenzene	50.000	52.828	-5.7	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.146	-8.3	97	0.00
67	C	Ethyl Benzene	50.000	56.556	-13.1#	96	0.00
68	T	m/p-Xylenes	100.000	115.337	-15.3	96	0.00
69	T	o-Xylene	50.000	58.928	-17.9	97	0.00
70	T	Styrene	50.000	57.589	-15.2	95	0.00
71	P	Bromoform	50.000	56.375	-12.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73	T	Isopropylbenzene	50.000	55.679	-11.4	97	0.00
74	T	N-amyl acetate	50.000	56.065	-12.1	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.040	-2.1	99	0.00
76	T	1,2,3-Trichloropropane	50.000	50.987	-2.0	102	0.00
77	T	Bromobenzene	50.000	49.030	1.9	93	0.00
78	T	n-propylbenzene	50.000	55.869	-11.7	96	0.00
79	T	2-Chlorotoluene	50.000	53.064	-6.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	57.072	-14.1	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.078	-10.2	103	0.00
82	T	4-Chlorotoluene	50.000	51.041	-2.1	94	0.00
83	T	tert-Butylbenzene	50.000	58.973	-17.9	99	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.287	-12.6	95	0.00
85	T	sec-Butylbenzene	50.000	56.017	-12.0	95	0.00
86	T	p-Isopropyltoluene	50.000	58.679	-17.4	95	0.00
87	T	1,3-Dichlorobenzene	50.000	47.403	5.2	93	0.00
88	T	1,4-Dichlorobenzene	50.000	51.698	-3.4	92	0.00
89	T	n-Butylbenzene	50.000	53.124	-6.2	94	0.00
90	T	Hexachloroethane	50.000	49.189	1.6	92	0.00
91	T	1,2-Dichlorobenzene	50.000	48.934	2.1	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.467	-6.9	104	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.286	5.4	94	0.00
94	T	Hexachlorobutadiene	50.000	47.779	4.4	98	0.00
95	T	Naphthalene	50.000	51.842	-3.7	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084960.D
Acq On : 20 Nov 2024 11:18
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 21 00:32:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.284	7.4	92	0.00

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

Raw Data: **VY020373.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/21/2024 09:25

Lab File ID: VY020373.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.485	0.554		14.23	20
Chloromethane	0.735	0.578	0.1	-21.36	20
Vinyl Chloride	0.666	0.567		-14.86	20
Bromomethane	0.333	0.304		-8.71	20
Chloroethane	0.388	0.335		-13.66	20
Trichlorofluoromethane	0.925	0.962		4	20
1,1,2-Trichlorotrifluoroethane	0.551	0.533		-3.27	20
1,1-Dichloroethene	0.545	0.530		-2.75	20
Acetone	0.138	0.163		18.12	20
Carbon Disulfide	1.838	1.752		-4.68	20
Methyl tert-butyl Ether	1.417	1.447		2.12	20
Methyl Acetate	0.321	0.327		1.87	20
Methylene Chloride	0.583	0.567		-2.74	20
trans-1,2-Dichloroethene	0.606	0.581		-4.13	20
1,1-Dichloroethane	1.173	1.127	0.1	-3.92	20
Cyclohexane	1.071	1.017		-5.04	20
2-Butanone	0.177	0.204		15.25	20
Carbon Tetrachloride	0.511	0.577		12.92	20
cis-1,2-Dichloroethene	0.667	0.667		0	20
Bromochloromethane	0.494	0.461		-6.68	20
Chloroform	1.133	1.101		-2.82	20
1,1,1-Trichloroethane	0.995	1.042		4.72	20
Methylcyclohexane	0.613	0.632		3.1	20
Benzene	1.435	1.479		3.07	20
1,2-Dichloroethane	0.387	0.423		9.3	20
Trichloroethene	0.340	0.348		2.35	20
1,2-Dichloropropane	0.342	0.348		1.75	20
Bromodichloromethane	0.484	0.509		5.16	20
4-Methyl-2-Pentanone	0.221	0.244		10.41	20
Toluene	0.877	0.905		3.19	20
t-1,3-Dichloropropene	0.458	0.480		4.8	20
cis-1,3-Dichloropropene	0.524	0.559		6.68	20
1,1,2-Trichloroethane	0.233	0.236		1.29	20
2-Hexanone	0.157	0.185		17.83	20
Dibromochloromethane	0.300	0.320		6.67	20
1,2-Dibromoethane	0.216	0.221		2.32	20
Tetrachloroethene	0.360	0.362		0.56	20
Chlorobenzene	1.115	1.107	0.3	-0.72	20

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/21/2024 09:25

Lab File ID: VY020373.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.057	2.103		2.24	20
m/p-Xylenes	0.741	0.763		2.97	20
o-Xylene	0.703	0.723		2.85	20
Styrene	1.167	1.231		5.48	20
Bromoform	0.194	0.213	0.1	9.79	20
Isopropylbenzene	4.236	4.245		0.21	20
1,1,2,2-Tetrachloroethane	0.685	0.699	0.3	2.04	20
1,3-Dichlorobenzene	1.794	1.751		-2.4	20
1,4-Dichlorobenzene	1.714	1.699		-0.88	20
1,2-Dichlorobenzene	1.495	1.513		1.2	20
1,2-Dibromo-3-Chloropropane	0.112	0.112		0	20
1,2,4-Trichlorobenzene	0.904	0.922		1.99	20
1,2,3-Trichlorobenzene	0.773	0.768		-0.65	20
1,2-Dichloroethane-d4	0.574	0.598		4.18	20
Dibromofluoromethane	0.321	0.316		-1.56	20
Toluene-d8	1.263	1.242		-1.66	20
4-Bromofluorobenzene	0.406	0.415		2.22	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\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	191018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	313957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	263957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	121826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	114241	52.056	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.120%			
35) Dibromofluoromethane	7.640	113	99082	49.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.440%			
50) Toluene-d8	10.109	98	389849	49.159	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.320%			
62) 4-Bromofluorobenzene	12.408	95	130147	51.051	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	105756	57.038	ug/l	99
3) Chloromethane	2.074	50	110402	44.989	ug/l	98
4) Vinyl Chloride	2.214	62	108241	42.554	ug/l	99
5) Bromomethane	2.604	94	58141	45.767	ug/l	100
6) Chloroethane	2.745	64	64064	43.174	ug/l	99
7) Trichlorofluoromethane	3.068	101	183733	51.979	ug/l	99
8) Diethyl Ether	3.464	74	55454	49.722	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	101743	48.332	ug/l	100
10) Methyl Iodide	4.019	142	134068	47.547	ug/l	94
11) Tert butyl alcohol	4.872	59	36712	226.965	ug/l	99
12) 1,1-Dichloroethene	3.799	96	101210	48.571	ug/l	91
13) Acrolein	3.665	56	41887	308.240	ug/l	97
14) Allyl chloride	4.391	41	194056	48.159	ug/l	94
15) Acrylonitrile	5.067	53	127193	257.993	ug/l	100
16) Acetone	3.879	43	156029	296.575	ug/l	93
17) Carbon Disulfide	4.116	76	334637	47.667	ug/l	100
18) Methyl Acetate	4.397	43	62427	50.904	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	276461	51.073	ug/l	100
20) Methylene Chloride	4.628	84	108400	48.655	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	111034	47.976	ug/l	95
22) Diisopropyl ether	6.025	45	379634	47.808	ug/l	98
23) Vinyl Acetate	5.970	43	1113464	250.913	ug/l	98
24) 1,1-Dichloroethane	5.927	63	215234	48.013	ug/l	99
25) 2-Butanone	6.902	43	194697	287.460	ug/l	98
26) 2,2-Dichloropropane	6.890	77	191447	51.670	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	127322	49.947	ug/l	98
28) Bromochloromethane	7.250	49	88109	46.699	ug/l	100
29) Tetrahydrofuran	7.268	42	109090	269.487	ug/l	98
30) Chloroform	7.427	83	210274	48.574	ug/l	99
31) Cyclohexane	7.707	56	194230	47.477	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	199027	52.361	ug/l	98
36) 1,1-Dichloropropene	7.841	75	159083	51.736	ug/l	99
37) Ethyl Acetate	6.988	43	78302	55.589	ug/l	99
38) Carbon Tetrachloride	7.823	117	181264	56.460	ug/l	97
39) Methylcyclohexane	9.115	83	198413	51.560	ug/l	96
40) Benzene	8.085	78	464288	51.524	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	45520	56.796	ug/l		96
42) 1,2-Dichloroethane	8.164	62	132760	54.582	ug/l		98
43) Isopropyl Acetate	8.201	43	152400	55.636	ug/l	#	90
44) Trichloroethene	8.872	130	109148	51.123	ug/l		100
45) 1,2-Dichloropropane	9.146	63	109335	50.856	ug/l		99
46) Dibromomethane	9.237	93	58050	52.680	ug/l		99
47) Bromodichloromethane	9.426	83	159849	52.549	ug/l		98
48) Methyl methacrylate	9.225	41	72620	55.450	ug/l		96
49) 1,4-Dioxane	9.237	88	11733	1034.957	ug/l	#	88
51) 4-Methyl-2-Pentanone	9.999	43	382611	275.235	ug/l		99
52) Toluene	10.176	92	284192	51.599	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	150684	52.384	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	175444	53.280	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	73941	50.551	ug/l		98
56) Ethyl methacrylate	10.444	69	117267	53.384	ug/l		99
57) 1,3-Dichloropropane	10.719	76	138386	52.644	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	287613	276.129	ug/l		98
59) 2-Hexanone	10.762	43	289969	294.578	ug/l		99
60) Dibromochloromethane	10.914	129	100432	53.270	ug/l		98
61) 1,2-Dibromoethane	11.018	107	69299	51.128	ug/l		100
64) Tetrachloroethene	10.652	164	95629	50.259	ug/l		97
65) Chlorobenzene	11.444	112	292282	49.663	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	101973	51.867	ug/l		98
67) Ethyl Benzene	11.524	91	554988	51.115	ug/l		100
68) m/p-Xylenes	11.633	106	402780	102.989	ug/l		97
69) o-Xylene	11.956	106	190779	51.431	ug/l		97
70) Styrene	11.975	104	324962	52.727	ug/l		98
71) Bromoform	12.139	173	56258	54.905	ug/l	#	98
73) Isopropylbenzene	12.261	105	517205	50.117	ug/l		100
74) N-amyl acetate	12.072	43	134142	53.787	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	85136	51.044	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	63029m	54.892	ug/l		
77) Bromobenzene	12.536	156	108458	50.161	ug/l		97
78) n-propylbenzene	12.603	91	622006	50.221	ug/l		100
79) 2-Chlorotoluene	12.682	91	352846	49.548	ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	423200	50.741	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	31947	54.517	ug/l		97
82) 4-Chlorotoluene	12.786	91	360361	49.033	ug/l		98
83) tert-Butylbenzene	13.005	119	377510	51.291	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	413969	50.063	ug/l		98
85) sec-Butylbenzene	13.182	105	539489	46.494	ug/l		99
86) p-Isopropyltoluene	13.298	119	447545	49.885	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	213276	48.784	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	207020	49.561	ug/l		99
89) n-Butylbenzene	13.627	91	426701	49.666	ug/l		100
90) Hexachloroethane	13.889	117	85124	49.160	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	184340	50.608	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13654	49.889	ug/l		95
93) 1,2,4-Trichlorobenzene	14.931	180	112273	50.977	ug/l		99
94) Hexachlorobutadiene	15.029	225	69051	51.363	ug/l		99
95) Naphthalene	15.151	128	205233	54.108	ug/l		100
96) 1,2,3-Trichlorobenzene	15.340	180	93604	49.707	ug/l		99

Sample Results: **VY020373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Quant Time: Nov 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

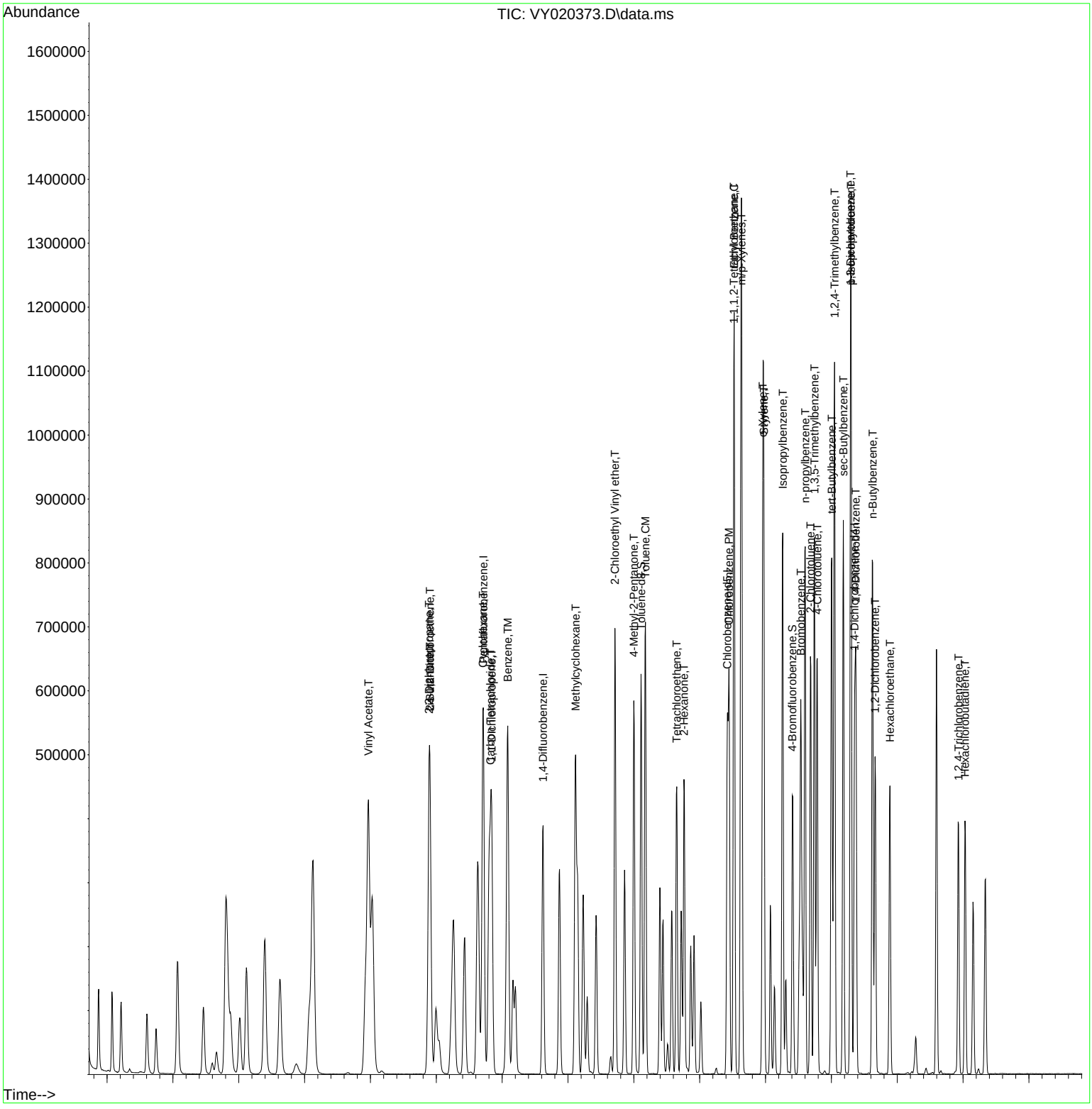
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Sample Results: **VY020373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
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 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	0.485	0.554	-14.2	103	0.00
3	P	Chloromethane	0.735	0.578	21.4	71	0.00
4	C	Vinyl Chloride	0.666	0.567	14.9#	77	0.00
5	T	Bromomethane	0.333	0.304	8.7	82	0.00
6	T	Chloroethane	0.388	0.335	13.7	76	0.00
7	T	Trichlorofluoromethane	0.925	0.962	-4.0	87	0.00
8	T	Diethyl Ether	0.292	0.290	0.7	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.533	3.3	76	0.00
10	T	Methyl Iodide	0.738	0.702	4.9	71	0.01
11	T	Tert butyl alcohol	0.044	0.038	13.6	89	0.00
12	CM	1,1-Dichloroethene	0.545	0.530	2.8#	76	0.00
13	T	Acrolein	0.036	0.044	-22.2	102	0.00
14	T	Allyl chloride	1.055	1.016	3.7	90	0.00
15	T	Acrylonitrile	0.129	0.133	-3.1	90	0.00
16	T	Acetone	0.138	0.163	-18.1	86	0.00
17	T	Carbon Disulfide	1.838	1.752	4.7	71	0.00
18	T	Methyl Acetate	0.321	0.327	-1.9	91	0.00
19	T	Methyl tert-butyl Ether	1.417	1.447	-2.1	87	0.00
20	T	Methylene Chloride	0.583	0.567	2.7	84	0.01
21	T	trans-1,2-Dichloroethene	0.606	0.581	4.1	81	0.00
22	T	Diisopropyl ether	2.079	1.987	4.4	83	0.00
23	T	Vinyl Acetate	1.162	1.166	-0.3	85	0.00
24	P	1,1-Dichloroethane	1.173	1.127	3.9	83	0.00
25	T	2-Butanone	0.177	0.204	-15.3	95	0.00
26	T	2,2-Dichloropropane	0.970	1.002	-3.3	88	0.00
27	T	cis-1,2-Dichloroethene	0.667	0.667	0.0	82	0.00
28	T	Bromochloromethane	0.494	0.461	6.7	76	0.00
29	T	Tetrahydrofuran	0.106	0.114	-7.5	90	0.00
30	C	Chloroform	1.133	1.101	2.8#	75	0.00
31	T	Cyclohexane	1.071	1.017	5.0	83	0.00
32	T	1,1,1-Trichloroethane	0.995	1.042	-4.7	88	0.00
33	S	1,2-Dichloroethane-d4	0.574	0.598	-4.2	79	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	75	0.00
35	S	Dibromofluoromethane	0.321	0.316	1.6	73	0.00
36	T	1,1-Dichloropropene	0.490	0.507	-3.5	83	0.00
37	T	Ethyl Acetate	0.224	0.249	-11.2	88	0.00
38	T	Carbon Tetrachloride	0.511	0.577	-12.9	90	0.00
39	T	Methylcyclohexane	0.613	0.632	-3.1	81	0.00
40	TM	Benzene	1.435	1.479	-3.1	82	0.00
41	T	Methacrylonitrile	0.128	0.145	-13.3	92	0.00
42	TM	1,2-Dichloroethane	0.387	0.423	-9.3	87	0.00
43	T	Isopropyl Acetate	0.436	0.485	-11.2	86	0.00
44	TM	Trichloroethene	0.340	0.348	-2.4	81	0.00
45	C	1,2-Dichloropropane	0.342	0.348	-1.8#	82	0.00
46	T	Dibromomethane	0.175	0.185	-5.7	80	0.00
47	T	Bromodichloromethane	0.484	0.509	-5.2	77	0.00
48	T	Methyl methacrylate	0.209	0.231	-10.5	86	0.00

Sample Results: **VY020373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
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 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	80	0.00
50	S	Toluene-d8	1.263	1.242	1.7	66	0.00
51	T	4-Methyl-2-Pentanone	0.221	0.244	-10.4	74	0.00
52	CM	Toluene	0.877	0.905	-3.2#	80	0.00
53	T	t-1,3-Dichloropropene	0.458	0.480	-4.8	80	0.00
54	T	cis-1,3-Dichloropropene	0.524	0.559	-6.7	83	0.00
55	T	1,1,2-Trichloroethane	0.233	0.236	-1.3	80	0.00
56	T	Ethyl methacrylate	0.350	0.374	-6.9	79	0.00
57	T	1,3-Dichloropropane	0.419	0.441	-5.3	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.166	0.183	-10.2	87	0.00
59	T	2-Hexanone	0.157	0.185	-17.8	81	0.00
60	T	Dibromochloromethane	0.300	0.320	-6.7	78	0.00
61	T	1,2-Dibromoethane	0.216	0.221	-2.3	76	0.00
62	S	4-Bromofluorobenzene	0.406	0.415	-2.2	72	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	73	0.00
64	T	Tetrachloroethene	0.360	0.362	-0.6	80	0.00
65	PM	Chlorobenzene	1.115	1.107	0.7	71	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.386	-3.8	76	0.00
67	C	Ethyl Benzene	2.057	2.103	-2.2#	75	0.00
68	T	m/p-Xylenes	0.741	0.763	-3.0	79	0.00
69	T	o-Xylene	0.703	0.723	-2.8	79	0.00
70	T	Styrene	1.167	1.231	-5.5	80	0.00
71	P	Bromoform	0.194	0.213	-9.8	83	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73	T	Isopropylbenzene	4.236	4.245	-0.2	80	0.00
74	T	N-amyl acetate	1.024	1.101	-7.5	82	0.00
75	P	1,1,2,2-Tetrachloroethane	0.685	0.699	-2.0	78	0.00
76	T	1,2,3-Trichloropropane	0.471	0.517	-9.8	82	0.00
77	T	Bromobenzene	0.887	0.890	-0.3	79	0.00
78	T	n-propylbenzene	5.083	5.106	-0.5	80	0.00
79	T	2-Chlorotoluene	2.923	2.896	0.9	82	0.00
80	T	1,3,5-Trimethylbenzene	3.423	3.474	-1.5	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.241	0.262	-8.7	83	0.00
82	T	4-Chlorotoluene	3.016	2.958	1.9	82	0.00
83	T	tert-Butylbenzene	3.021	3.099	-2.6	82	0.00
84	T	1,2,4-Trimethylbenzene	3.394	3.398	-0.1	81	0.00
85	T	sec-Butylbenzene	4.762	4.428	7.0	71	0.00
86	T	p-Isopropyltoluene	3.682	3.674	0.2	78	0.00
87	T	1,3-Dichlorobenzene	1.794	1.751	2.4	77	0.00
88	T	1,4-Dichlorobenzene	1.714	1.699	0.9	80	0.00
89	T	n-Butylbenzene	3.526	3.503	0.7	78	0.00
90	T	Hexachloroethane	0.711	0.699	1.7	74	0.01
91	T	1,2-Dichlorobenzene	1.495	1.513	-1.2	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.112	0.112	0.0	77	0.00
93	T	1,2,4-Trichlorobenzene	0.904	0.922	-2.0	84	0.01
94	T	Hexachlorobutadiene	0.552	0.567	-2.7	86	0.00
95	T	Naphthalene	1.557	1.685	-8.2	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
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 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.773	0.768	0.6	84	0.01

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

Sample Results: **VY020373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
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 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	50.000	57.038	-14.1	103	0.00
3	P	Chloromethane	50.000	44.989	10.0	71	0.00
4	C	Vinyl Chloride	50.000	42.554	14.9#	77	0.00
5	T	Bromomethane	50.000	45.767	8.5	82	0.00
6	T	Chloroethane	50.000	43.174	13.7	76	0.00
7	T	Trichlorofluoromethane	50.000	51.979	-4.0	87	0.00
8	T	Diethyl Ether	50.000	49.722	0.6	80	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.332	3.3	76	0.00
10	T	Methyl Iodide	50.000	47.547	4.9	71	0.01
11	T	Tert butyl alcohol	250.000	226.965	9.2	89	0.00
12	CM	1,1-Dichloroethene	50.000	48.571	2.9#	76	0.00
13	T	Acrolein	250.000	308.240	-23.3	102	0.00
14	T	Allyl chloride	50.000	48.159	3.7	90	0.00
15	T	Acrylonitrile	250.000	257.993	-3.2	90	0.00
16	T	Acetone	250.000	296.575	-18.6	86	0.00
17	T	Carbon Disulfide	50.000	47.667	4.7	71	0.00
18	T	Methyl Acetate	50.000	50.904	-1.8	91	0.00
19	T	Methyl tert-butyl Ether	50.000	51.073	-2.1	87	0.00
20	T	Methylene Chloride	50.000	48.655	2.7	84	0.01
21	T	trans-1,2-Dichloroethene	50.000	47.976	4.0	81	0.00
22	T	Diisopropyl ether	50.000	47.808	4.4	83	0.00
23	T	Vinyl Acetate	250.000	250.913	-0.4	85	0.00
24	P	1,1-Dichloroethane	50.000	48.013	4.0	83	0.00
25	T	2-Butanone	250.000	287.460	-15.0	95	0.00
26	T	2,2-Dichloropropane	50.000	51.670	-3.3	88	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.947	0.1	82	0.00
28	T	Bromochloromethane	50.000	46.699	6.6	76	0.00
29	T	Tetrahydrofuran	250.000	269.487	-7.8	90	0.00
30	C	Chloroform	50.000	48.574	2.9#	75	0.00
31	T	Cyclohexane	50.000	47.477	5.0	83	0.00
32	T	1,1,1-Trichloroethane	50.000	52.361	-4.7	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.056	-4.1	79	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	75	0.00
35	S	Dibromofluoromethane	50.000	49.217	1.6	73	0.00
36	T	1,1-Dichloropropene	50.000	51.736	-3.5	83	0.00
37	T	Ethyl Acetate	50.000	55.589	-11.2	88	0.00
38	T	Carbon Tetrachloride	50.000	56.460	-12.9	90	0.00
39	T	Methylcyclohexane	50.000	51.560	-3.1	81	0.00
40	TM	Benzene	50.000	51.524	-3.0	82	0.00
41	T	Methacrylonitrile	50.000	56.796	-13.6	92	0.00
42	TM	1,2-Dichloroethane	50.000	54.582	-9.2	87	0.00
43	T	Isopropyl Acetate	50.000	55.636	-11.3	86	0.00
44	TM	Trichloroethene	50.000	51.123	-2.2	81	0.00
45	C	1,2-Dichloropropane	50.000	50.856	-1.7#	82	0.00
46	T	Dibromomethane	50.000	52.680	-5.4	80	0.00
47	T	Bromodichloromethane	50.000	52.549	-5.1	77	0.00
48	T	Methyl methacrylate	50.000	55.450	-10.9	86	0.00

Sample Results: **VY020373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
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 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1034.957	-3.5	80	0.00
50	S	Toluene-d8	50.000	49.159	1.7	66	0.00
51	T	4-Methyl-2-Pentanone	250.000	275.235	-10.1	74	0.00
52	CM	Toluene	50.000	51.599	-3.2#	80	0.00
53	T	t-1,3-Dichloropropene	50.000	52.384	-4.8	80	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.280	-6.6	83	0.00
55	T	1,1,2-Trichloroethane	50.000	50.551	-1.1	80	0.00
56	T	Ethyl methacrylate	50.000	53.384	-6.8	79	0.00
57	T	1,3-Dichloropropane	50.000	52.644	-5.3	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.129	-10.5	87	0.00
59	T	2-Hexanone	250.000	294.578	-17.8	81	0.00
60	T	Dibromochloromethane	50.000	53.270	-6.5	78	0.00
61	T	1,2-Dibromoethane	50.000	51.128	-2.3	76	0.00
62	S	4-Bromofluorobenzene	50.000	51.051	-2.1	72	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	73	0.00
64	T	Tetrachloroethene	50.000	50.259	-0.5	80	0.00
65	PM	Chlorobenzene	50.000	49.663	0.7	71	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.867	-3.7	76	0.00
67	C	Ethyl Benzene	50.000	51.115	-2.2#	75	0.00
68	T	m/p-Xylenes	100.000	102.989	-3.0	79	0.00
69	T	o-Xylene	50.000	51.431	-2.9	79	0.00
70	T	Styrene	50.000	52.727	-5.5	80	0.00
71	P	Bromoform	50.000	54.905	-9.8	83	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73	T	Isopropylbenzene	50.000	50.117	-0.2	80	0.00
74	T	N-amyl acetate	50.000	53.787	-7.6	82	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.044	-2.1	78	0.00
76	T	1,2,3-Trichloropropane	50.000	54.892	-9.8	82	0.00
77	T	Bromobenzene	50.000	50.161	-0.3	79	0.00
78	T	n-propylbenzene	50.000	50.221	-0.4	80	0.00
79	T	2-Chlorotoluene	50.000	49.548	0.9	82	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.741	-1.5	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.517	-9.0	83	0.00
82	T	4-Chlorotoluene	50.000	49.033	1.9	82	0.00
83	T	tert-Butylbenzene	50.000	51.291	-2.6	82	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.063	-0.1	81	0.00
85	T	sec-Butylbenzene	50.000	46.494	7.0	71	0.00
86	T	p-Isopropyltoluene	50.000	49.885	0.2	78	0.00
87	T	1,3-Dichlorobenzene	50.000	48.784	2.4	77	0.00
88	T	1,4-Dichlorobenzene	50.000	49.561	0.9	80	0.00
89	T	n-Butylbenzene	50.000	49.666	0.7	78	0.00
90	T	Hexachloroethane	50.000	49.160	1.7	74	0.01
91	T	1,2-Dichlorobenzene	50.000	50.608	-1.2	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.889	0.2	77	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.977	-2.0	84	0.01
94	T	Hexachlorobutadiene	50.000	51.363	-2.7	86	0.00
95	T	Naphthalene	50.000	54.108	-8.2	84	0.00

Sample Results: **VY020373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020373.D
Acq On : 21 Nov 2024 09:25
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 21 13:55:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.707	0.6	84	0.01

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

Raw Data: **VY020401.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/22/2024 09:40

Lab File ID: VY020401.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.485	0.559		15.26	20
Chloromethane	0.735	0.555	0.1	-24.49	20
Vinyl Chloride	0.666	0.563		-15.47	20
Bromomethane	0.333	0.308		-7.51	20
Chloroethane	0.388	0.332		-14.43	20
Trichlorofluoromethane	0.925	0.989		6.92	20
1,1,2-Trichlorotrifluoroethane	0.551	0.552		0.18	20
1,1-Dichloroethene	0.545	0.541		-0.73	20
Acetone	0.138	0.143		3.62	20
Carbon Disulfide	1.838	1.754		-4.57	20
Methyl tert-butyl Ether	1.417	1.349		-4.8	20
Methyl Acetate	0.321	0.284		-11.53	20
Methylene Chloride	0.583	0.546		-6.35	20
trans-1,2-Dichloroethene	0.606	0.585		-3.46	20
1,1-Dichloroethane	1.173	1.087	0.1	-7.33	20
Cyclohexane	1.071	1.017		-5.04	20
2-Butanone	0.177	0.179		1.13	20
Carbon Tetrachloride	0.511	0.607		18.79	20
cis-1,2-Dichloroethene	0.667	0.653		-2.1	20
Bromochloromethane	0.494	0.432		-12.55	20
Chloroform	1.133	1.084		-4.32	20
1,1,1-Trichloroethane	0.995	1.045		5.03	20
Methylcyclohexane	0.613	0.678		10.6	20
Benzene	1.435	1.495		4.18	20
1,2-Dichloroethane	0.387	0.406		4.91	20
Trichloroethene	0.340	0.363		6.76	20
1,2-Dichloropropane	0.342	0.346		1.17	20
Bromodichloromethane	0.484	0.496		2.48	20
4-Methyl-2-Pentanone	0.221	0.221		0	20
Toluene	0.877	0.922		5.13	20
t-1,3-Dichloropropene	0.458	0.465		1.53	20
cis-1,3-Dichloropropene	0.524	0.555		5.92	20
1,1,2-Trichloroethane	0.233	0.227		-2.58	20
2-Hexanone	0.157	0.167		6.37	20
Dibromochloromethane	0.300	0.315		5	20
1,2-Dibromoethane	0.216	0.211		-2.32	20
Tetrachloroethene	0.360	0.390		8.33	20
Chlorobenzene	1.115	1.152	0.3	3.32	20

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/22/2024 09:40

Lab File ID: VY020401.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.057	2.201		7	20
m/p-Xylenes	0.741	0.797		7.56	20
o-Xylene	0.703	0.745		5.97	20
Styrene	1.167	1.258		7.8	20
Bromoform	0.194	0.214	0.1	10.31	20
Isopropylbenzene	4.236	4.572		7.93	20
1,1,2,2-Tetrachloroethane	0.685	0.683	0.3	-0.29	20
1,3-Dichlorobenzene	1.794	1.819		1.39	20
1,4-Dichlorobenzene	1.714	1.766		3.03	20
1,2-Dichlorobenzene	1.495	1.545		3.34	20
1,2-Dibromo-3-Chloropropane	0.112	0.113		0.89	20
1,2,4-Trichlorobenzene	0.904	0.904		0	20
1,2,3-Trichlorobenzene	0.773	0.732		-5.3	20
1,2-Dichloroethane-d4	0.574	0.585		1.92	20
Dibromofluoromethane	0.321	0.339		5.61	20
Toluene-d8	1.263	1.353		7.13	20
4-Bromofluorobenzene	0.406	0.442		8.87	20

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

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	199094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	315114	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	255079	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	114938	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	116494	50.929	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.860%			
35) Dibromofluoromethane	7.646	113	106905	52.908	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.820%			
50) Toluene-d8	10.115	98	426296	53.558	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.120%			
62) 4-Bromofluorobenzene	12.414	95	139180	54.394	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 108.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	111376	57.632	ug/l	100
3) Chloromethane	2.080	50	110497	42.999	ug/l	98
4) Vinyl Chloride	2.214	62	112180	42.313	ug/l	100
5) Bromomethane	2.611	94	61402	46.373	ug/l	99
6) Chloroethane	2.751	64	66071	42.720	ug/l	99
7) Trichlorofluoromethane	3.074	101	196810	53.420	ug/l	99
8) Diethyl Ether	3.464	74	54576	46.950	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.836	101	109913	50.095	ug/l	98
10) Methyl Iodide	4.019	142	137554	46.804	ug/l	95
11) Tert butyl alcohol	4.878	59	35102	206.445	ug/l	99
12) 1,1-Dichloroethene	3.805	96	107768	49.620	ug/l	99
13) Acrolein	3.665	56	39559	279.300	ug/l	98
14) Allyl chloride	4.403	41	192511	45.838	ug/l	95
15) Acrylonitrile	5.074	53	119045	231.671	ug/l	99
16) Acetone	3.885	43	142708	260.251	ug/l	98
17) Carbon Disulfide	4.122	76	349289	47.736	ug/l	99
18) Methyl Acetate	4.397	43	56454	44.167	ug/l	99
19) Methyl tert-butyl Ether	5.134	73	268639	47.615	ug/l	97
20) Methylene Chloride	4.635	84	108761	46.837	ug/l	99
21) trans-1,2-Dichloroethene	5.134	96	116492	48.292	ug/l	96
22) Diisopropyl ether	6.037	45	365369	44.145	ug/l	98
23) Vinyl Acetate	5.976	43	1034978	223.766	ug/l	100
24) 1,1-Dichloroethane	5.933	63	216453	46.326	ug/l	100
25) 2-Butanone	6.902	43	178437	252.766	ug/l	97
26) 2,2-Dichloropropane	6.902	77	198476	51.394	ug/l	99
27) cis-1,2-Dichloroethene	6.909	96	130033	48.941	ug/l	99
28) Bromochloromethane	7.262	49	86074	43.770	ug/l	97
29) Tetrahydrofuran	7.274	42	97664	231.474	ug/l	99
30) Chloroform	7.433	83	215847	47.839	ug/l	99
31) Cyclohexane	7.713	56	202534	47.499	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	207961	52.493	ug/l	97
36) 1,1-Dichloropropene	7.847	75	165899	53.755	ug/l	100
37) Ethyl Acetate	6.994	43	70523	49.883	ug/l	99
38) Carbon Tetrachloride	7.829	117	191327	59.376	ug/l	97
39) Methylcyclohexane	9.115	83	213556	55.291	ug/l	99
40) Benzene	8.091	78	471211	52.101	ug/l	99

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.238	41	41340	51.391 ug/l		98
42) 1,2-Dichloroethane	8.171	62	127783	52.343 ug/l		98
43) Isopropyl Acetate	8.207	43	140171	50.983 ug/l	#	87
44) Trichloroethene	8.878	130	114339	53.358 ug/l		96
45) 1,2-Dichloropropane	9.152	63	108877	50.457 ug/l		98
46) Dibromomethane	9.237	93	56398	50.993 ug/l		99
47) Bromodichloromethane	9.432	83	156354	51.211 ug/l		98
48) Methyl methacrylate	9.231	41	65774	50.039 ug/l		97
49) 1,4-Dioxane	9.237	88	11635	1022.544 ug/l		92
51) 4-Methyl-2-Pentanone	10.006	43	348385	249.694 ug/l		99
52) Toluene	10.176	92	290653	52.578 ug/l		98
53) t-1,3-Dichloropropene	10.402	75	146519	50.749 ug/l		99
54) cis-1,3-Dichloropropene	9.865	75	174944	52.933 ug/l		93
55) 1,1,2-Trichloroethane	10.579	97	71662	48.813 ug/l		99
56) Ethyl methacrylate	10.445	69	110773	50.243 ug/l		96
57) 1,3-Dichloropropane	10.725	76	131122	49.698 ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	266968	255.368 ug/l		99
59) 2-Hexanone	10.768	43	263747	266.955 ug/l		98
60) Dibromochloromethane	10.920	129	99205	52.426 ug/l		99
61) 1,2-Dibromoethane	11.024	107	66598	48.955 ug/l		100
64) Tetrachloroethene	10.658	164	99509	54.118 ug/l		97
65) Chlorobenzene	11.450	112	293820	51.662 ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.524	131	102611	54.008 ug/l		98
67) Ethyl Benzene	11.524	91	561497	53.514 ug/l		100
68) m/p-Xylenes	11.633	106	406534	107.567 ug/l		97
69) o-Xylene	11.963	106	189987	53.000 ug/l		96
70) Styrene	11.975	104	320963	53.891 ug/l		98
71) Bromoform	12.139	173	54500	55.040 ug/l	#	100
73) Isopropylbenzene	12.261	105	525466	53.968 ug/l		99
74) N-amyl acetate	12.078	43	117939	50.124 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.517	83	78489	49.878 ug/l		99
76) 1,2,3-Trichloropropane	12.566	75	52372m	48.344 ug/l		
77) Bromobenzene	12.542	156	108422	53.150 ug/l		100
78) n-propylbenzene	12.603	91	628054	53.748 ug/l		99
79) 2-Chlorotoluene	12.688	91	347387	51.705 ug/l		99
80) 1,3,5-Trimethylbenzene	12.743	105	421591	53.577 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.310	75	28956	52.374 ug/l		98
82) 4-Chlorotoluene	12.786	91	355075	51.209 ug/l		98
83) tert-Butylbenzene	13.005	119	373316	53.760 ug/l		98
84) 1,2,4-Trimethylbenzene	13.054	105	409729	52.520 ug/l		99
85) sec-Butylbenzene	13.182	105	549366	50.183 ug/l		100
86) p-Isopropyltoluene	13.304	119	454931	53.747 ug/l		99
87) 1,3-Dichlorobenzene	13.298	146	209104	50.696 ug/l		99
88) 1,4-Dichlorobenzene	13.377	146	203002	51.511 ug/l		99
89) n-Butylbenzene	13.627	91	429585	52.998 ug/l		99
90) Hexachloroethane	13.889	117	85761	52.496 ug/l		96
91) 1,2-Dichlorobenzene	13.670	146	177537	51.661 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12951	50.156 ug/l		95
93) 1,2,4-Trichlorobenzene	14.932	180	103928	50.016 ug/l		99
94) Hexachlorobutadiene	15.035	225	70815	55.832 ug/l		97
95) Naphthalene	15.157	128	180259	50.372 ug/l		99
96) 1,2,3-Trichlorobenzene	15.340	180	84155	47.368 ug/l		99

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

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

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

Sample Results: **VY020401.D**

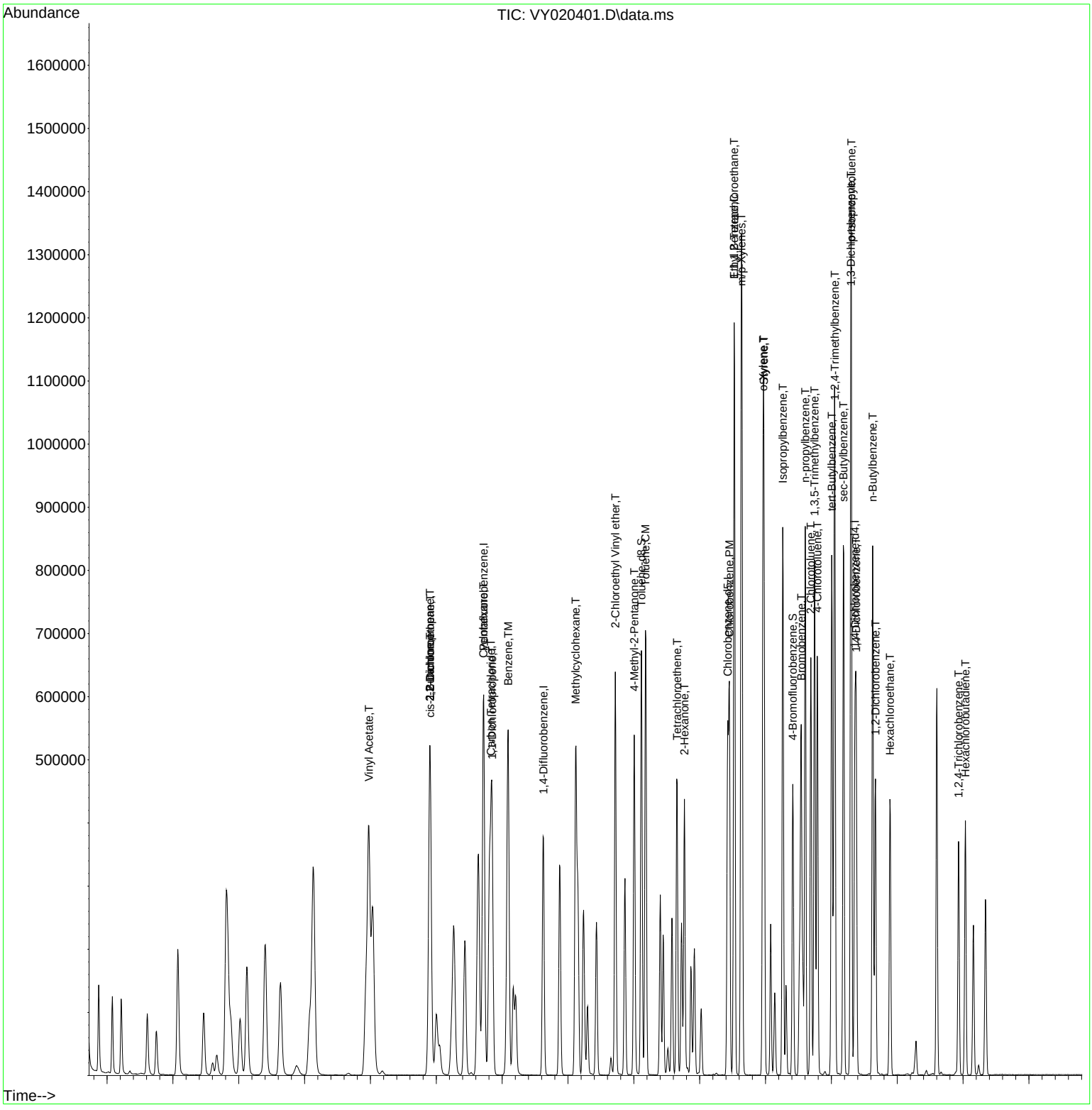
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



Evaluate Continuing Calibration Report

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
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 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	0.485	0.559	-15.3	108	0.00
3	P	Chloromethane	0.735	0.555	24.5	71	0.01
4	C	Vinyl Chloride	0.666	0.563	15.5#	79	0.00
5	T	Bromomethane	0.333	0.308	7.5	86	0.01
6	T	Chloroethane	0.388	0.332	14.4	79	0.01
7	T	Trichlorofluoromethane	0.925	0.989	-6.9	93	0.01
8	T	Diethyl Ether	0.292	0.274	6.2	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.551	0.552	-0.2	82	0.02
10	T	Methyl Iodide	0.738	0.691	6.4	73	0.01
11	T	Tert butyl alcohol	0.044	0.035	20.5	86	0.00
12	CM	1,1-Dichloroethene	0.545	0.541	0.7#	81	0.01
13	T	Acrolein	0.036	0.040	-11.1	96	0.00
14	T	Allyl chloride	1.055	0.967	8.3	90	0.01
15	T	Acrylonitrile	0.129	0.120	7.0	85	0.01
16	T	Acetone	0.138	0.143	-3.6	79	0.01
17	T	Carbon Disulfide	1.838	1.754	4.6	74	0.01
18	T	Methyl Acetate	0.321	0.284	11.5	82	0.00
19	T	Methyl tert-butyl Ether	1.417	1.349	4.8	85	0.02
20	T	Methylene Chloride	0.583	0.546	6.3	84	0.02
21	T	trans-1,2-Dichloroethene	0.606	0.585	3.5	85	0.01
22	T	Diisopropyl ether	2.079	1.835	11.7	80	0.01
23	T	Vinyl Acetate	1.162	1.040	10.5	79	0.01
24	P	1,1-Dichloroethane	1.173	1.087	7.3	84	0.01
25	T	2-Butanone	0.177	0.179	-1.1	88	0.00
26	T	2,2-Dichloropropane	0.970	0.997	-2.8	91	0.02
27	T	cis-1,2-Dichloroethene	0.667	0.653	2.1	83	0.01
28	T	Bromochloromethane	0.494	0.432	12.6	74	0.02
29	T	Tetrahydrofuran	0.106	0.098	7.5	81	0.00
30	C	Chloroform	1.133	1.084	4.3#	77	0.01
31	T	Cyclohexane	1.071	1.017	5.0	86	0.01
32	T	1,1,1-Trichloroethane	0.995	1.045	-5.0	92	0.00
33	S	1,2-Dichloroethane-d4	0.574	0.585	-1.9	81	0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	75	0.01
35	S	Dibromofluoromethane	0.321	0.339	-5.6	79	0.01
36	T	1,1-Dichloropropene	0.490	0.526	-7.3	87	0.00
37	T	Ethyl Acetate	0.224	0.224	0.0	79	0.00
38	T	Carbon Tetrachloride	0.511	0.607	-18.8	95	0.00
39	T	Methylcyclohexane	0.613	0.678	-10.6	87	0.00
40	TM	Benzene	1.435	1.495	-4.2	83	0.01
41	T	Methacrylonitrile	0.128	0.131	-2.3	84	0.01
42	TM	1,2-Dichloroethane	0.387	0.406	-4.9	84	0.01
43	T	Isopropyl Acetate	0.436	0.445	-2.1	79	0.01
44	TM	Trichloroethene	0.340	0.363	-6.8	85	0.01
45	C	1,2-Dichloropropane	0.342	0.346	-1.2#	81	0.01
46	T	Dibromomethane	0.175	0.179	-2.3	78	0.00
47	T	Bromodichloromethane	0.484	0.496	-2.5	76	0.01
48	T	Methyl methacrylate	0.209	0.209	0.0	78	0.01

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
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 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.002	0.002	0.0	79	0.00
50	S	Toluene-d8	1.263	1.353	-7.1	73	0.00
51	T	4-Methyl-2-Pentanone	0.221	0.221	0.0	67	0.00
52	CM	Toluene	0.877	0.922	-5.1#	81	0.00
53	T	t-1,3-Dichloropropene	0.458	0.465	-1.5	78	0.01
54	T	cis-1,3-Dichloropropene	0.524	0.555	-5.9	82	0.01
55	T	1,1,2-Trichloroethane	0.233	0.227	2.6	78	0.00
56	T	Ethyl methacrylate	0.350	0.352	-0.6	74	0.00
57	T	1,3-Dichloropropane	0.419	0.416	0.7	75	0.01
58	T	2-Chloroethyl Vinyl ether	0.166	0.169	-1.8	81	0.00
59	T	2-Hexanone	0.157	0.167	-6.4	74	0.00
60	T	Dibromochloromethane	0.300	0.315	-5.0	77	0.01
61	T	1,2-Dibromoethane	0.216	0.211	2.3	73	0.01
62	S	4-Bromofluorobenzene	0.406	0.442	-8.9	77	0.01
63	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.01
64	T	Tetrachloroethene	0.360	0.390	-8.3	83	0.01
65	PM	Chlorobenzene	1.115	1.152	-3.3	71	0.01
66	T	1,1,1,2-Tetrachloroethane	0.372	0.402	-8.1	77	0.00
67	C	Ethyl Benzene	2.057	2.201	-7.0#	76	0.00
68	T	m/p-Xylenes	0.741	0.797	-7.6	80	0.00
69	T	o-Xylene	0.703	0.745	-6.0	79	0.00
70	T	Styrene	1.167	1.258	-7.8	79	0.00
71	P	Bromoform	0.194	0.214	-10.3	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.01
73	T	Isopropylbenzene	4.236	4.572	-7.9	81	0.00
74	T	N-amyl acetate	1.024	1.026	-0.2	72	0.00
75	P	1,1,2,2-Tetrachloroethane	0.685	0.683	0.3	72	0.01
76	T	1,2,3-Trichloropropane	0.471	0.456	3.2	69	0.01
77	T	Bromobenzene	0.887	0.943	-6.3	79	0.01
78	T	n-propylbenzene	5.083	5.464	-7.5	81	0.00
79	T	2-Chlorotoluene	2.923	3.022	-3.4	80	0.00
80	T	1,3,5-Trimethylbenzene	3.423	3.668	-7.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	0.241	0.252	-4.6	76	0.00
82	T	4-Chlorotoluene	3.016	3.089	-2.4	81	0.00
83	T	tert-Butylbenzene	3.021	3.248	-7.5	81	0.00
84	T	1,2,4-Trimethylbenzene	3.394	3.565	-5.0	80	0.01
85	T	sec-Butylbenzene	4.762	4.780	-0.4	72	0.00
86	T	p-Isopropyltoluene	3.682	3.958	-7.5	79	0.01
87	T	1,3-Dichlorobenzene	1.794	1.819	-1.4	76	0.01
88	T	1,4-Dichlorobenzene	1.714	1.766	-3.0	78	0.01
89	T	n-Butylbenzene	3.526	3.738	-6.0	78	0.00
90	T	Hexachloroethane	0.711	0.746	-4.9	74	0.01
91	T	1,2-Dichlorobenzene	1.495	1.545	-3.3	77	0.01
92	T	1,2-Dibromo-3-Chloropropane	0.112	0.113	-0.9	73	0.01
93	T	1,2,4-Trichlorobenzene	0.904	0.904	0.0	78	0.01
94	T	Hexachlorobutadiene	0.552	0.616	-11.6	88	0.01
95	T	Naphthalene	1.557	1.568	-0.7	74	0.01

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
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 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.773	0.732	5.3	75	0.01

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

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
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 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	88	0.00
2	T	Dichlorodifluoromethane	50.000	57.632	-15.3	108	0.00
3	P	Chloromethane	50.000	42.999	14.0	71	0.01
4	C	Vinyl Chloride	50.000	42.313	15.4#	79	0.00
5	T	Bromomethane	50.000	46.373	7.3	86	0.01
6	T	Chloroethane	50.000	42.720	14.6	79	0.01
7	T	Trichlorofluoromethane	50.000	53.420	-6.8	93	0.01
8	T	Diethyl Ether	50.000	46.950	6.1	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.095	-0.2	82	0.02
10	T	Methyl Iodide	50.000	46.804	6.4	73	0.01
11	T	Tert butyl alcohol	250.000	206.445	17.4	86	0.00
12	CM	1,1-Dichloroethene	50.000	49.620	0.8#	81	0.01
13	T	Acrolein	250.000	279.300	-11.7	96	0.00
14	T	Allyl chloride	50.000	45.838	8.3	90	0.01
15	T	Acrylonitrile	250.000	231.671	7.3	85	0.01
16	T	Acetone	250.000	260.251	-4.1	79	0.01
17	T	Carbon Disulfide	50.000	47.736	4.5	74	0.01
18	T	Methyl Acetate	50.000	44.167	11.7	82	0.00
19	T	Methyl tert-butyl Ether	50.000	47.615	4.8	85	0.02
20	T	Methylene Chloride	50.000	46.837	6.3	84	0.02
21	T	trans-1,2-Dichloroethene	50.000	48.292	3.4	85	0.01
22	T	Diisopropyl ether	50.000	44.145	11.7	80	0.01
23	T	Vinyl Acetate	250.000	223.766	10.5	79	0.01
24	P	1,1-Dichloroethane	50.000	46.326	7.3	84	0.01
25	T	2-Butanone	250.000	252.766	-1.1	88	0.00
26	T	2,2-Dichloropropane	50.000	51.394	-2.8	91	0.02
27	T	cis-1,2-Dichloroethene	50.000	48.941	2.1	83	0.01
28	T	Bromochloromethane	50.000	43.770	12.5	74	0.02
29	T	Tetrahydrofuran	250.000	231.474	7.4	81	0.00
30	C	Chloroform	50.000	47.839	4.3#	77	0.01
31	T	Cyclohexane	50.000	47.499	5.0	86	0.01
32	T	1,1,1-Trichloroethane	50.000	52.493	-5.0	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.929	-1.9	81	0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	75	0.01
35	S	Dibromofluoromethane	50.000	52.908	-5.8	79	0.01
36	T	1,1-Dichloropropene	50.000	53.755	-7.5	87	0.00
37	T	Ethyl Acetate	50.000	49.883	0.2	79	0.00
38	T	Carbon Tetrachloride	50.000	59.376	-18.8	95	0.00
39	T	Methylcyclohexane	50.000	55.291	-10.6	87	0.00
40	TM	Benzene	50.000	52.101	-4.2	83	0.01
41	T	Methacrylonitrile	50.000	51.391	-2.8	84	0.01
42	TM	1,2-Dichloroethane	50.000	52.343	-4.7	84	0.01
43	T	Isopropyl Acetate	50.000	50.983	-2.0	79	0.01
44	TM	Trichloroethene	50.000	53.358	-6.7	85	0.01
45	C	1,2-Dichloropropane	50.000	50.457	-0.9#	81	0.01
46	T	Dibromomethane	50.000	50.993	-2.0	78	0.00
47	T	Bromodichloromethane	50.000	51.211	-2.4	76	0.01
48	T	Methyl methacrylate	50.000	50.039	-0.1	78	0.01

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
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 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1022.544	-2.3	79	0.00
50	S	Toluene-d8	50.000	53.558	-7.1	73	0.00
51	T	4-Methyl-2-Pentanone	250.000	249.694	0.1	67	0.00
52	CM	Toluene	50.000	52.578	-5.2#	81	0.00
53	T	t-1,3-Dichloropropene	50.000	50.749	-1.5	78	0.01
54	T	cis-1,3-Dichloropropene	50.000	52.933	-5.9	82	0.01
55	T	1,1,2-Trichloroethane	50.000	48.813	2.4	78	0.00
56	T	Ethyl methacrylate	50.000	50.243	-0.5	74	0.00
57	T	1,3-Dichloropropane	50.000	49.698	0.6	75	0.01
58	T	2-Chloroethyl Vinyl ether	250.000	255.368	-2.1	81	0.00
59	T	2-Hexanone	250.000	266.955	-6.8	74	0.00
60	T	Dibromochloromethane	50.000	52.426	-4.9	77	0.01
61	T	1,2-Dibromoethane	50.000	48.955	2.1	73	0.01
62	S	4-Bromofluorobenzene	50.000	54.394	-8.8	77	0.01
63	I	Chlorobenzene-d5	50.000	50.000	0.0	71	0.01
64	T	Tetrachloroethene	50.000	54.118	-8.2	83	0.01
65	PM	Chlorobenzene	50.000	51.662	-3.3	71	0.01
66	T	1,1,1,2-Tetrachloroethane	50.000	54.008	-8.0	77	0.00
67	C	Ethyl Benzene	50.000	53.514	-7.0#	76	0.00
68	T	m/p-Xylenes	100.000	107.567	-7.6	80	0.00
69	T	o-Xylene	50.000	53.000	-6.0	79	0.00
70	T	Styrene	50.000	53.891	-7.8	79	0.00
71	P	Bromoform	50.000	55.040	-10.1	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.01
73	T	Isopropylbenzene	50.000	53.968	-7.9	81	0.00
74	T	N-amyl acetate	50.000	50.124	-0.2	72	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.878	0.2	72	0.01
76	T	1,2,3-Trichloropropane	50.000	48.344	3.3	69	0.01
77	T	Bromobenzene	50.000	53.150	-6.3	79	0.01
78	T	n-propylbenzene	50.000	53.748	-7.5	81	0.00
79	T	2-Chlorotoluene	50.000	51.705	-3.4	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.577	-7.2	83	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.374	-4.7	76	0.00
82	T	4-Chlorotoluene	50.000	51.209	-2.4	81	0.00
83	T	tert-Butylbenzene	50.000	53.760	-7.5	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.520	-5.0	80	0.01
85	T	sec-Butylbenzene	50.000	50.183	-0.4	72	0.00
86	T	p-Isopropyltoluene	50.000	53.747	-7.5	79	0.01
87	T	1,3-Dichlorobenzene	50.000	50.696	-1.4	76	0.01
88	T	1,4-Dichlorobenzene	50.000	51.511	-3.0	78	0.01
89	T	n-Butylbenzene	50.000	52.998	-6.0	78	0.00
90	T	Hexachloroethane	50.000	52.496	-5.0	74	0.01
91	T	1,2-Dichlorobenzene	50.000	51.661	-3.3	77	0.01
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.156	-0.3	73	0.01
93	T	1,2,4-Trichlorobenzene	50.000	50.016	-0.0	78	0.01
94	T	Hexachlorobutadiene	50.000	55.832	-11.7	88	0.01
95	T	Naphthalene	50.000	50.372	-0.7	74	0.01

Sample Results: **VY020401.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020401.D
Acq On : 22 Nov 2024 09:40
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 22 23:55:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.368	5.3	75	0.01

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

QC SAMPLE DATA

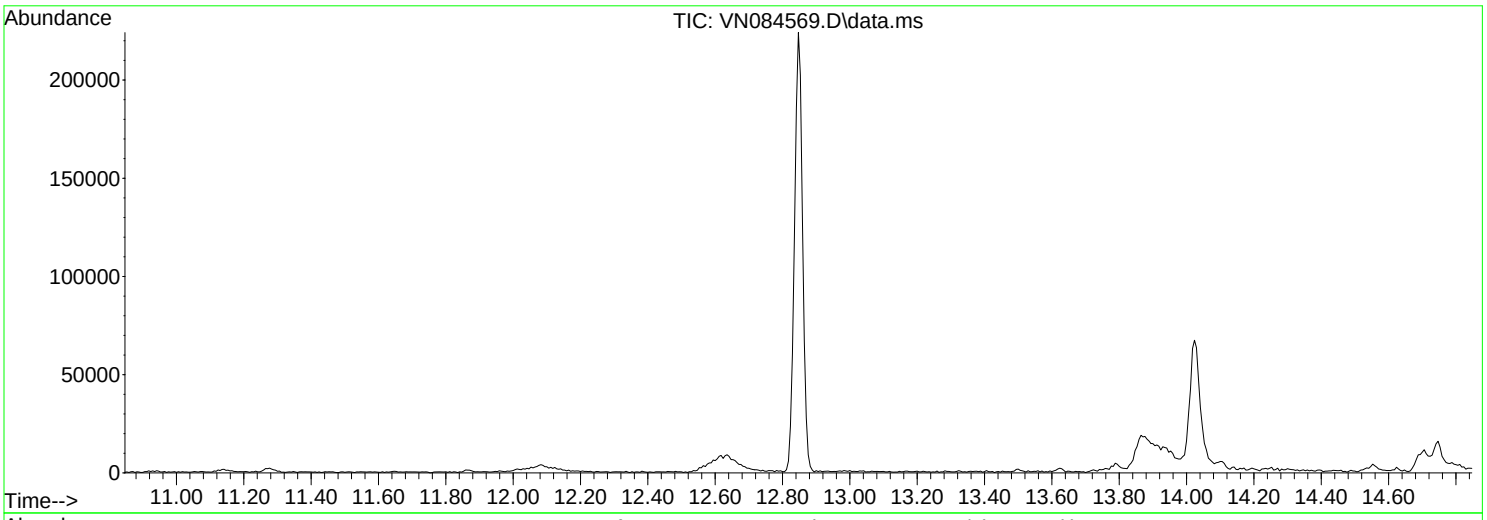
Sample Results: **VN084569.D**

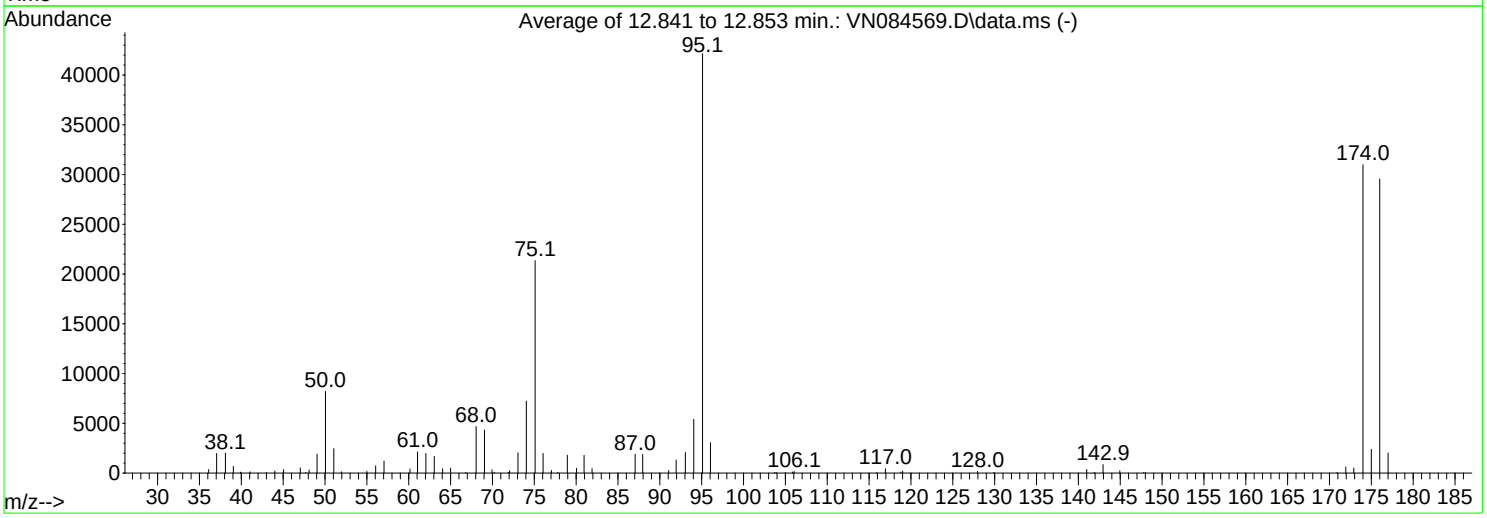
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	359	48.10	321	63.05	1677	74.05	7235
37.05	1972	49.05	1905	64.05	441	75.10	21357
38.10	2004	50.05	8210	65.00	496	76.05	1981
39.05	674	51.05	2454	66.80	70	77.05	266
39.90	98	51.95	137	68.05	4674	77.80	63
41.05	129	55.00	174	69.05	4327	78.95	1789
43.00	58	56.05	724	69.95	329	80.05	481
44.00	211	57.05	1205	70.20	94	80.95	1784
45.05	351	60.15	415	71.90	82	81.90	450
47.05	515	61.05	2127	72.05	237	87.05	1893
47.70	66	62.05	1973	73.05	2035	87.95	1870

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	256	115.90	54	148.00	75		
91.95	1316	116.95	438	170.90	52		
93.05	2070	118.80	90	171.95	607		
94.05	5401	119.00	202	172.90	502		
95.10	42141	127.95	162	174.00	30984		
96.05	3053	129.90	69	175.00	2392		
103.70	65	141.00	358	176.00	29560		
103.90	65	141.90	66	177.00	2026		
105.00	53	142.95	857				
105.85	107	144.95	228				
106.05	162	147.80	53				

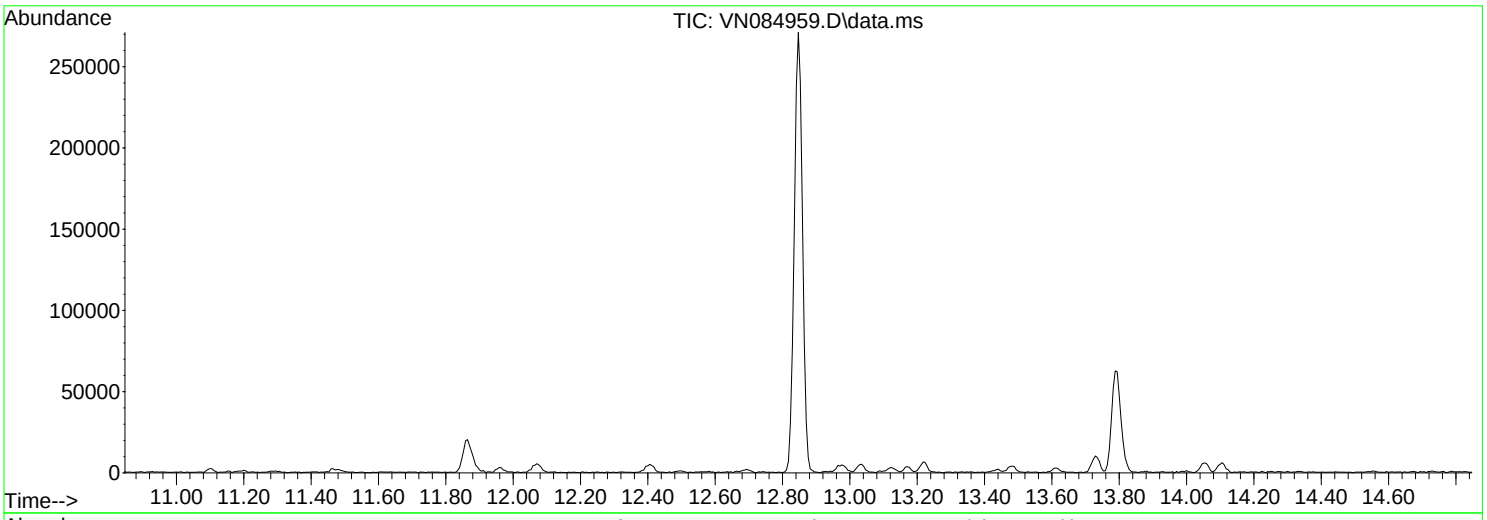
Sample Results: **VN084959.D**

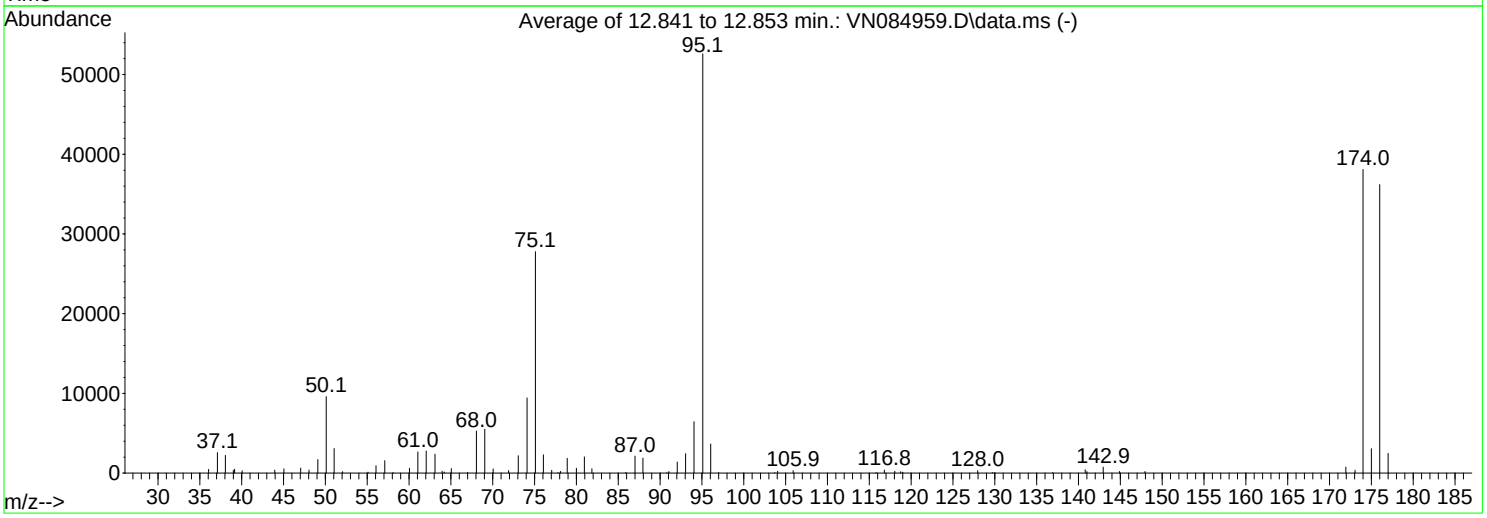
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084959.D
Acq On : 20 Nov 2024 09:51
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.3	9603	PASS
75	95	30	60	52.8	27779	PASS
95	95	100	100	100.0	52611	PASS
96	95	5	9	6.9	3649	PASS
173	174	0.00	2	0.9	361	PASS
174	95	50	100	72.4	38096	PASS
175	174	5	9	8.0	3061	PASS
176	174	95	101	95.0	36195	PASS
177	176	5	9	6.9	2485	PASS

Average of 12.841 to 12.853 min.: VN084959.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	462	50.10	9603	63.95	245	76.05	2292
37.10	2574	51.05	3083	64.20	136	77.05	349
38.05	2230	52.05	179	65.05	566	77.80	61
39.00	357	55.10	123	67.00	73	78.10	204
39.15	489	56.05	935	68.05	5275	78.90	1859
40.05	285	57.10	1561	69.05	5496	80.00	607
43.95	376	58.10	57	70.05	524	80.95	2029
45.05	537	60.05	607	71.90	314	81.85	551
47.05	633	61.05	2652	73.05	2179	85.90	70
48.05	394	62.05	2768	74.10	9434	87.00	2133
49.10	1701	63.10	2374	75.10	27779	87.95	1883

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084959.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.80	56	115.80	58	142.95	744		
91.05	200	116.80	382	144.90	202		
92.05	1389	118.05	245	147.95	202		
93.05	2427	118.75	167	171.95	747		
94.05	6446	119.00	115	173.05	361		
95.10	52611	127.95	301	174.00	38096		
96.05	3649	129.70	75	175.00	3061		
97.00	52	130.00	76	176.00	36195		
103.70	56	136.90	54	177.00	2485		
104.05	241	140.80	424				
105.90	304	141.00	188				

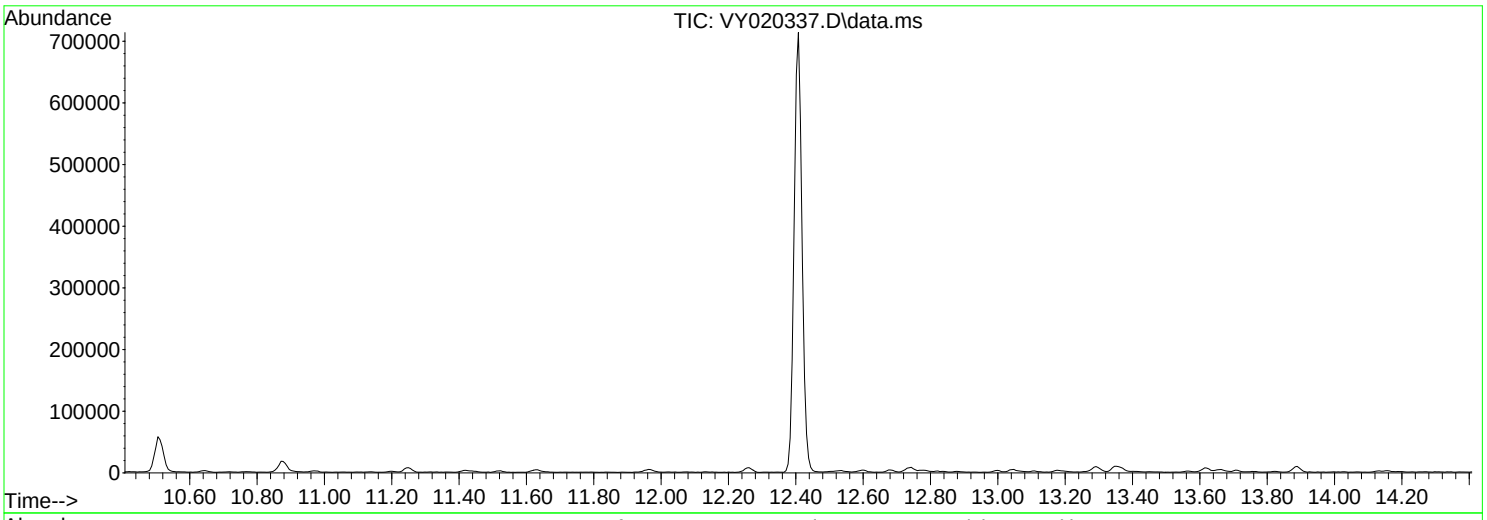
Sample Results: **VY020337.D**

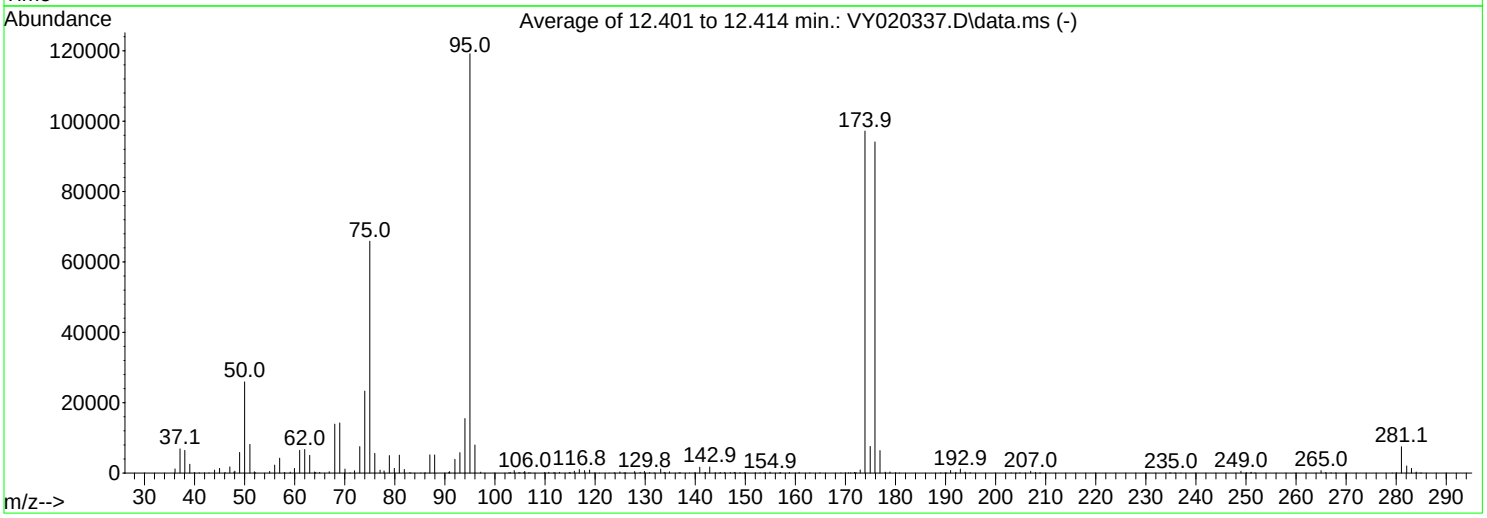
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111924\
Data File : VY020337.D
Acq On : 19 Nov 2024 14:40
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Title : SW846 8260
Last Update : Wed Nov 20 04:38:24 2024





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	25915	PASS
75	95	30	60	55.3	65907	PASS
95	95	100	100	100.0	119168	PASS
96	95	5	9	6.7	7986	PASS
173	174	0.00	2	0.9	895	PASS
174	95	50	100	81.6	97187	PASS
175	174	5	9	7.8	7585	PASS
176	174	95	101	96.8	94104	PASS
177	176	5	9	6.8	6392	PASS

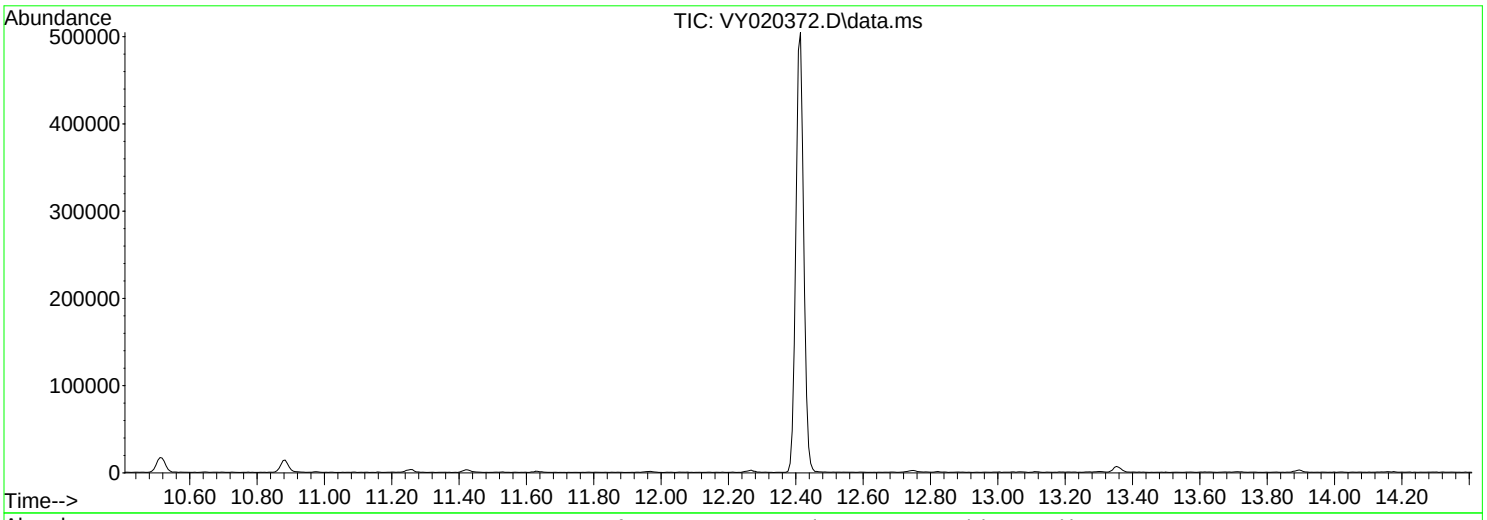
Sample Results: **VY020372.D**

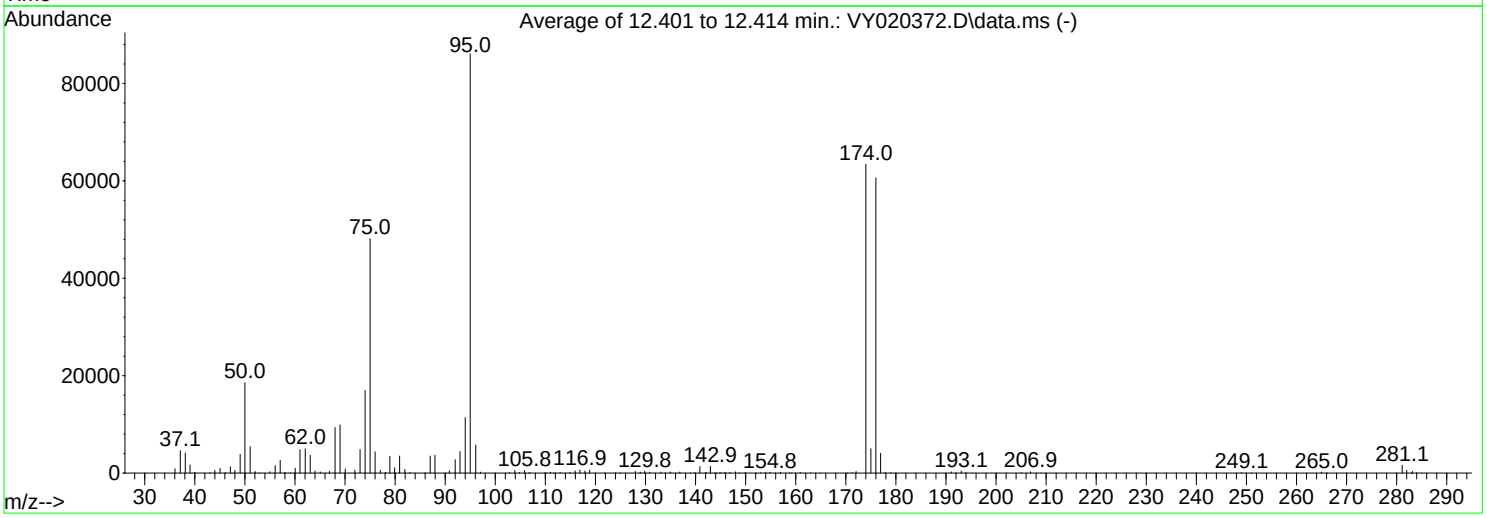
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020372.D
Acq On : 21 Nov 2024 08:32
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Title : SW846 8260
Last Update : Wed Nov 20 04:38:24 2024





AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	18537	PASS
75	95	30	60	55.9	48139	PASS
95	95	100	100	100.0	86101	PASS
96	95	5	9	6.7	5771	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	73.7	63419	PASS
175	174	5	9	7.9	5005	PASS
176	174	95	101	95.6	60600	PASS
177	176	5	9	6.7	4051	PASS

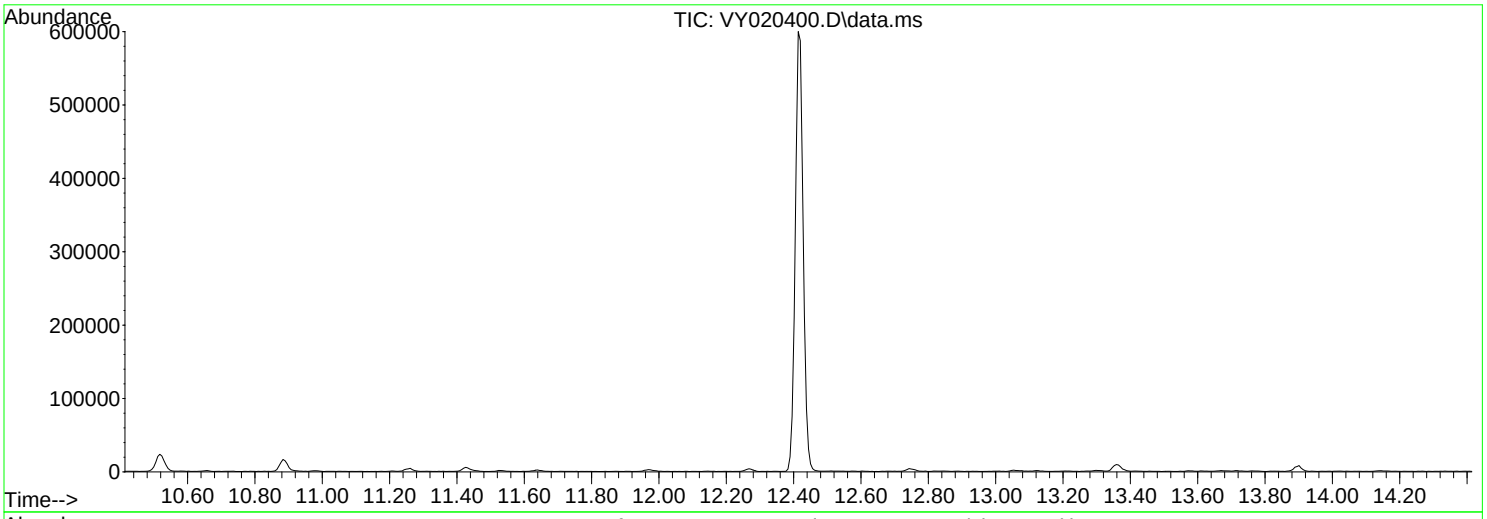
Sample Results: **VY020400.D**

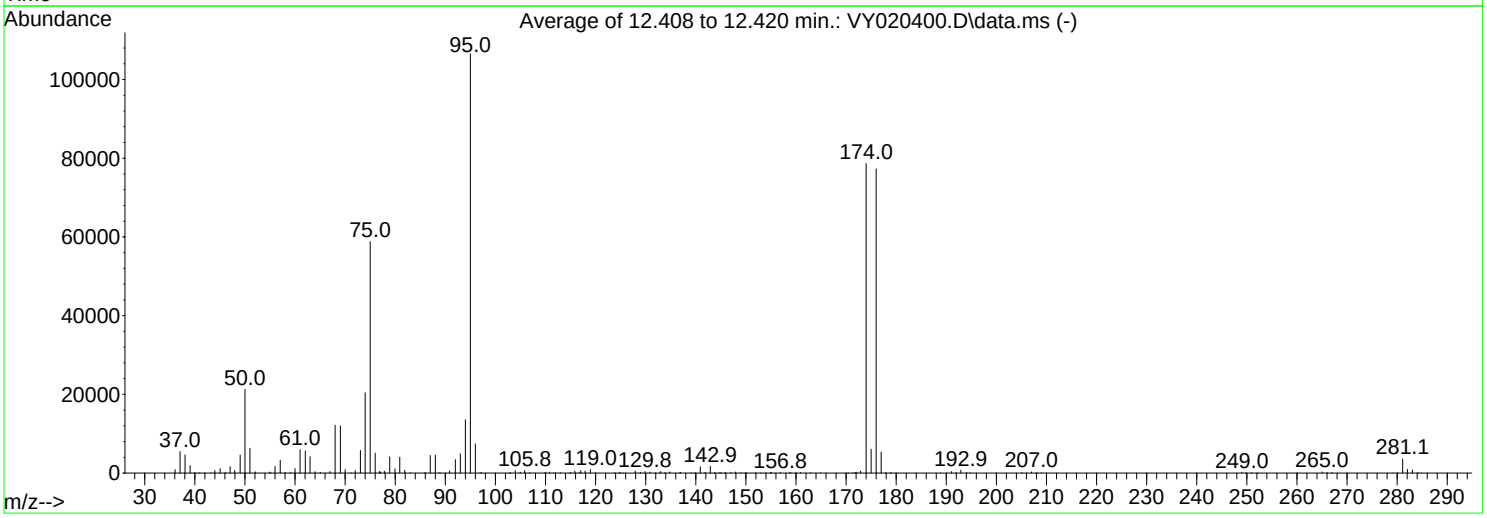
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020400.D
Acq On : 22 Nov 2024 08:56
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Title : SW846 8260
Last Update : Wed Nov 20 04:38:24 2024





AutoFind: Scans 1753, 1754, 1755; Background Corrected with Scan 1746

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	21291	PASS
75	95	30	60	55.2	58803	PASS
95	95	100	100	100.0	106549	PASS
96	95	5	9	7.0	7433	PASS
173	174	0.00	2	0.7	521	PASS
174	95	50	100	73.8	78624	PASS
175	174	5	9	7.7	6067	PASS
176	174	95	101	98.3	77283	PASS
177	176	5	9	6.9	5341	PASS

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4892
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084962.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4892
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	8.218			
540-36-3	1,4-Difluorobenzene	319000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.794			

Raw Data: **VN084962.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4892
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084962.D	1		11/20/24 12:21	VN112024

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_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

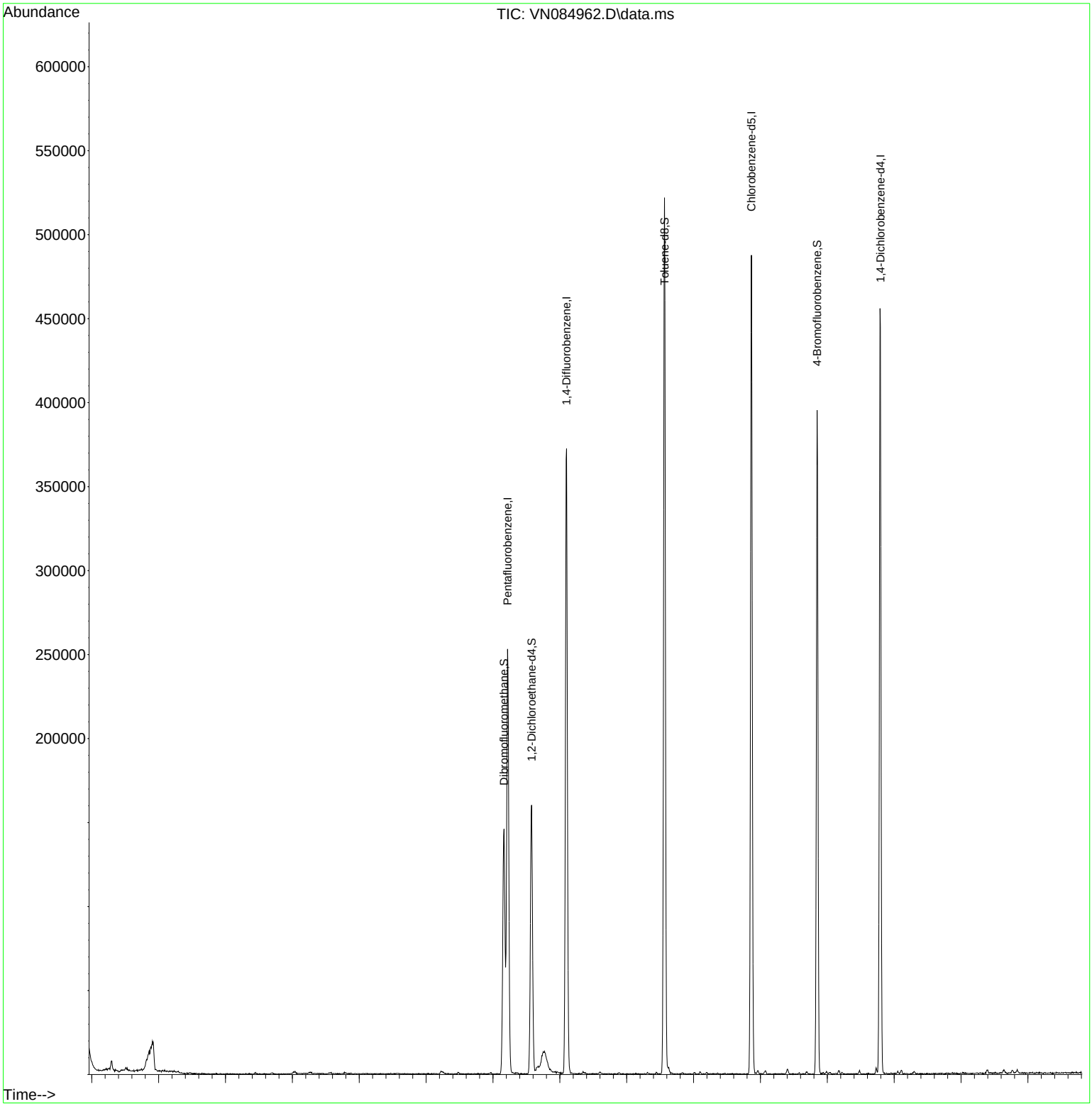
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	178908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131967	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.140%			
35) Dibromofluoromethane	8.165	113	107113	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.565	98	366987	46.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	138133	46.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.800%			
Target Compounds						Qvalue

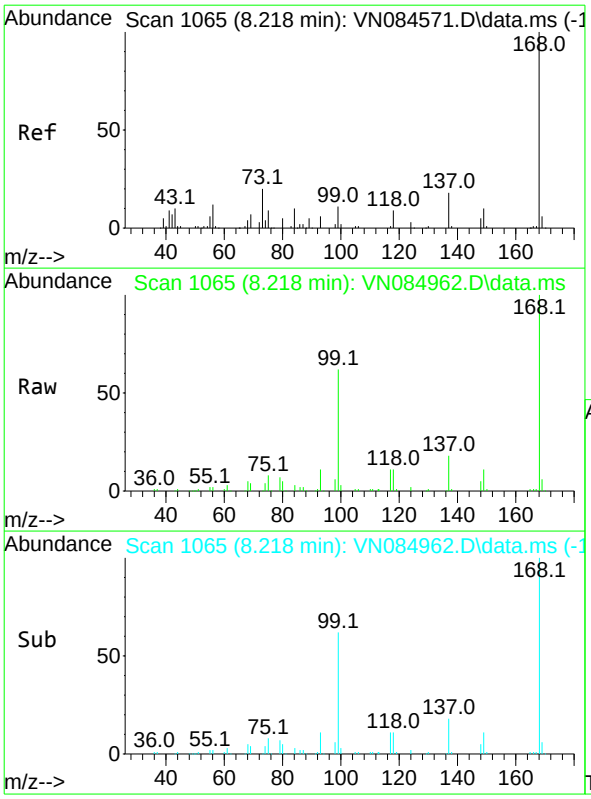
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



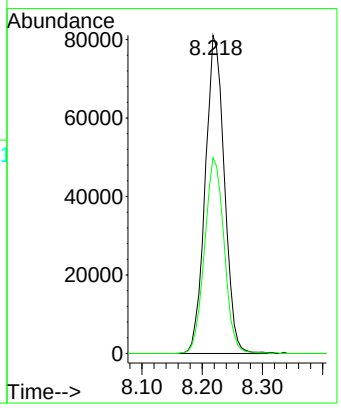


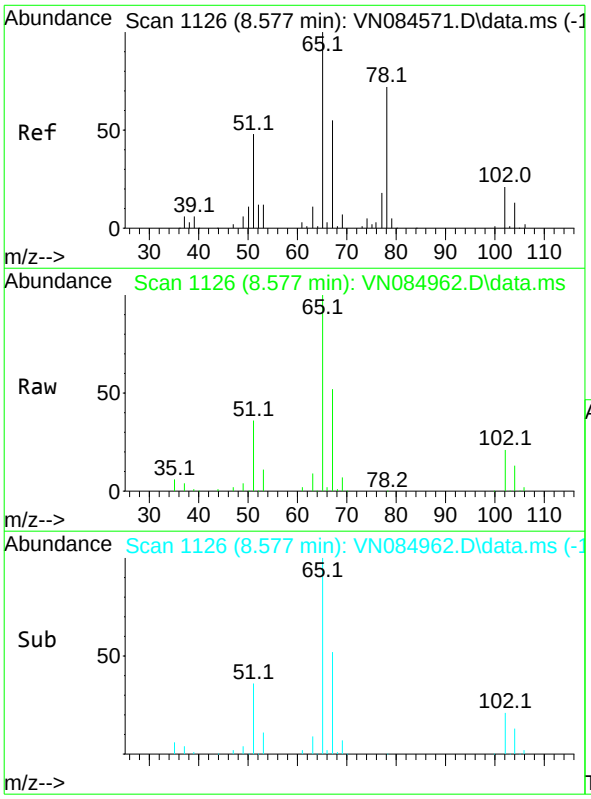
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:168 Resp: 178908

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

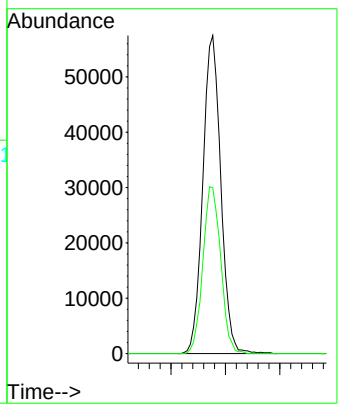


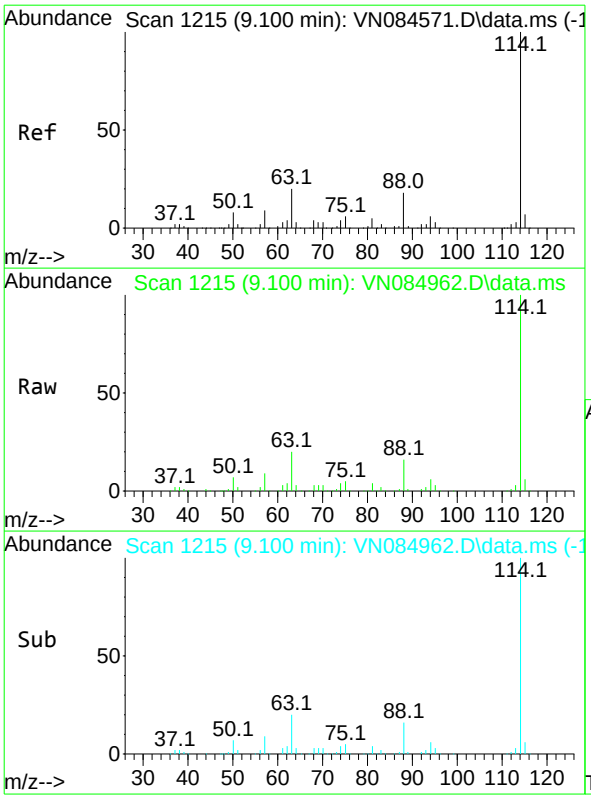


#33
1,2-Dichloroethane-d4
Concen: 51.070 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 65 Resp: 131967

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



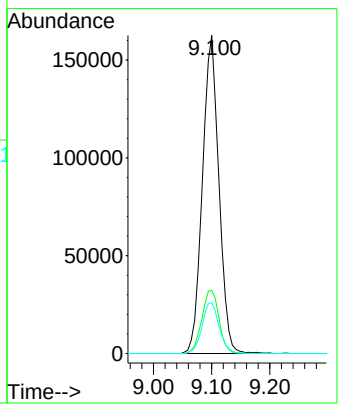


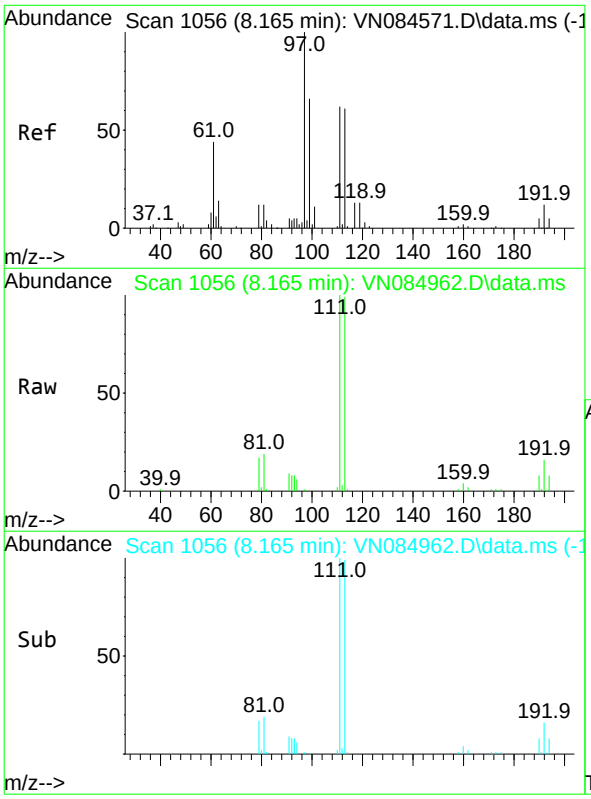
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:114 Resp: 319489

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.8
88	16.0	0.0	31.6

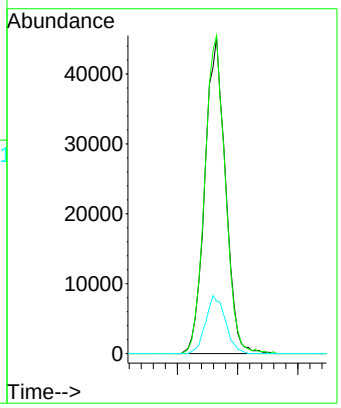


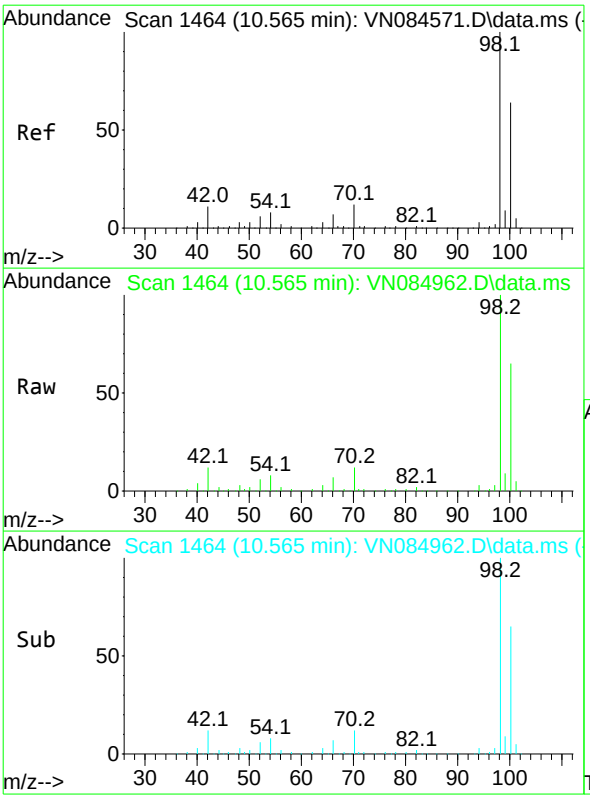


#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:113 Resp: 107113

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	17.7	13.5	20.3



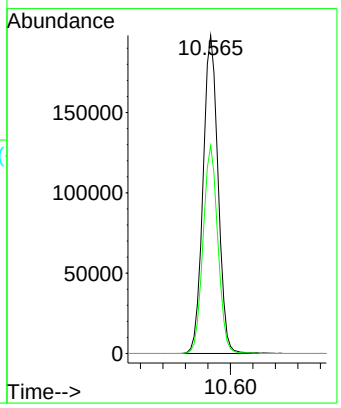


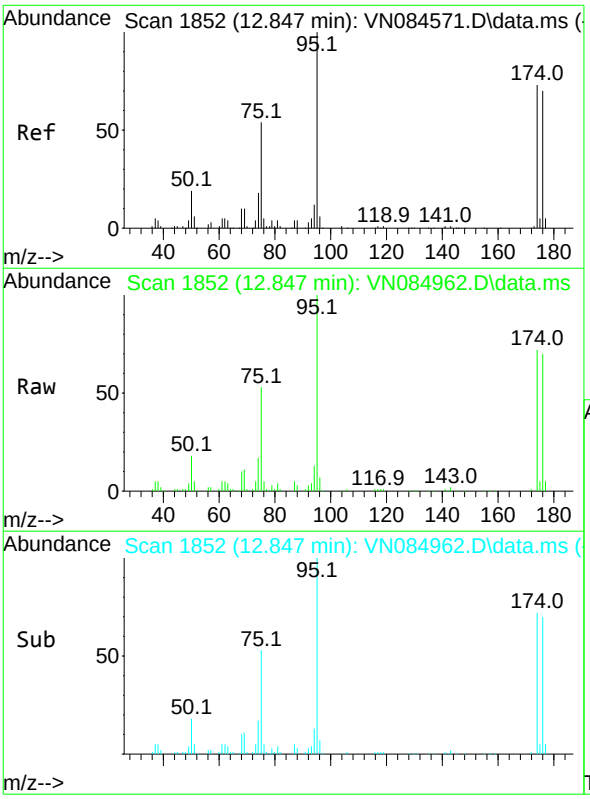
#50
Toluene-d8
Concen: 46.068 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion: 98 Resp: 366987

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1

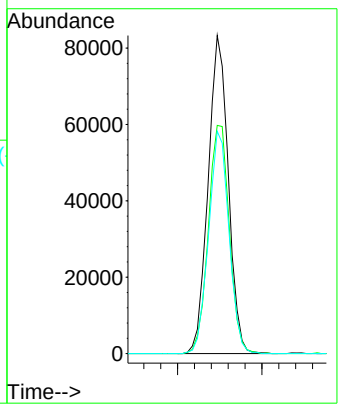


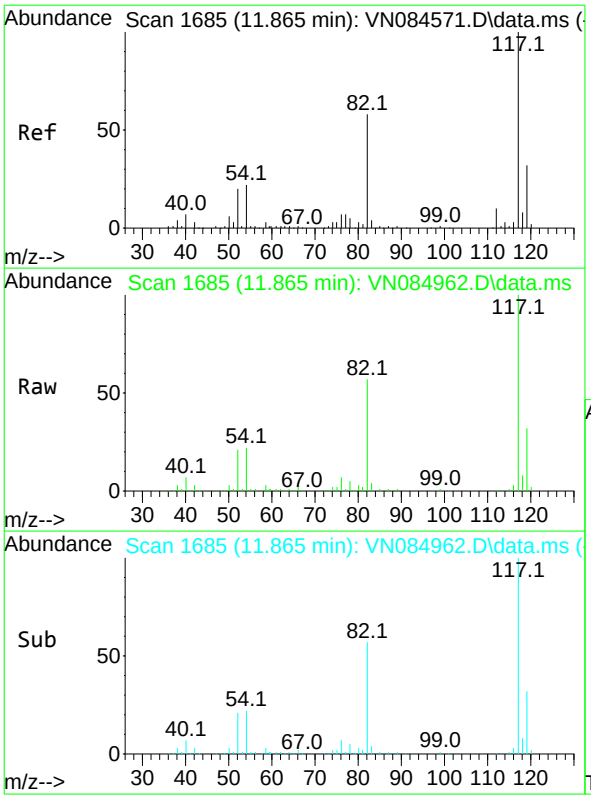


#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 95 Resp: 138133

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	70.5	0.0	140.0



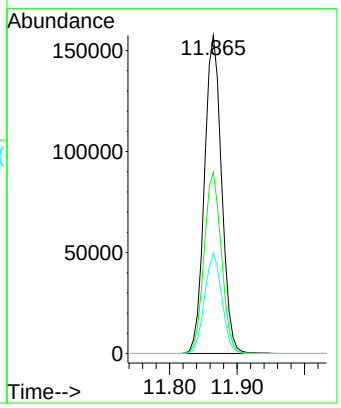


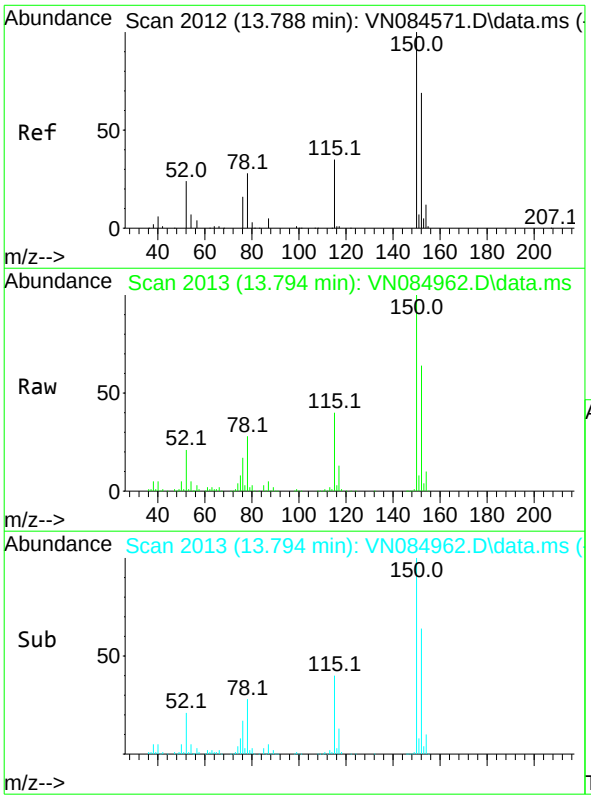
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:117 Resp: 277659

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	31.7	25.4	38.0

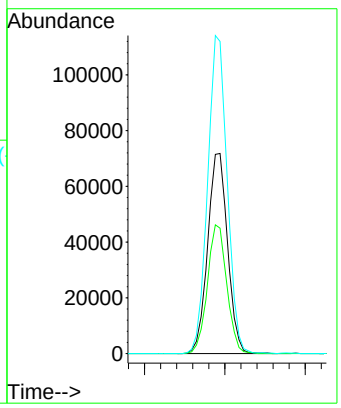




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:152 Resp: 123641

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	155.7	0.0	349.8



Sample Results: **VN084962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

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_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084962.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	54	58	66	rVB2	6509	12920	1.33%	0.243%
2	2.818	137	147	148	rBV4	6310	10780	1.11%	0.202%
3	8.165	1044	1056	1060	rBV	145988	346283	35.65%	6.502%
4	8.218	1060	1065	1076	rVB	252421	559884	57.64%	10.513%
5	8.577	1116	1126	1134	rBV	160114	359847	37.05%	6.757%
6	8.753	1147	1156	1157	rBV3	8578	18416	1.90%	0.346%
7	9.100	1206	1215	1225	rBV	371811	754393	77.66%	14.166%
8	10.565	1452	1464	1474	rBV	521713	971376	100.00%	18.240%
9	11.865	1676	1685	1694	rBV	487545	863950	88.94%	16.223%
10	12.847	1845	1852	1861	rBV	395157	659134	67.86%	12.377%
11	13.788	2005	2012	2022	rVB	455514	768453	79.11%	14.430%

Sum of corrected areas: 5325436

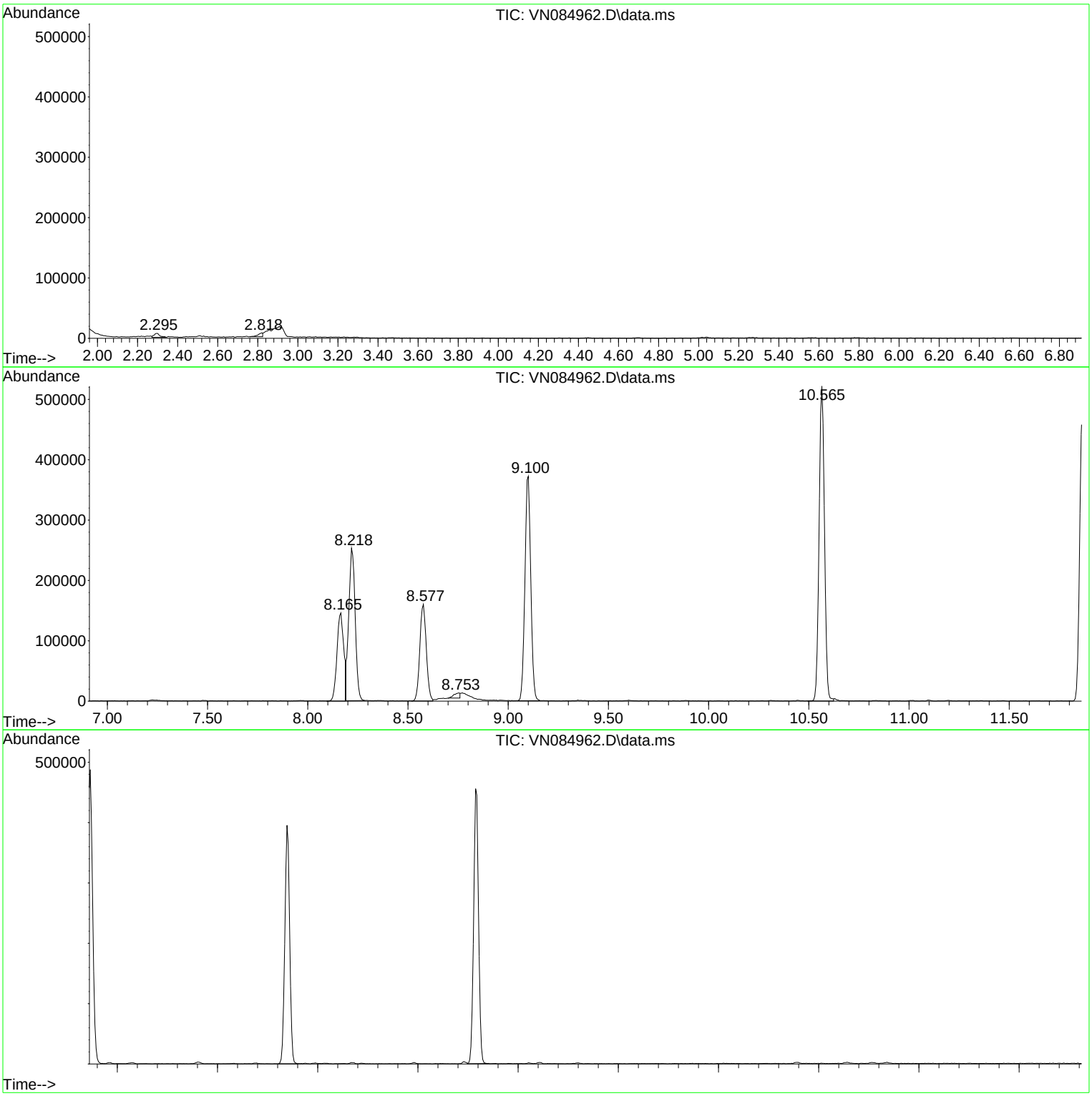
Sample Results: **VN084962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN084962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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: **VY020374.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4892
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4892
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (29) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.713			
540-36-3	1,4-Difluorobenzene	271000	8.616			
3114-55-4	Chlorobenzene-d5	245000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	89000	13.353			

Raw Data: **VY020374.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4892
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Time: Nov 21 13:56:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	139506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	270751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	245370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83114	51.857	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.720%			
35) Dibromofluoromethane	7.640	113	84115	48.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.900%			
50) Toluene-d8	10.109	98	329763	48.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.408	95	104043	47.324	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 94.640%			
Target Compounds						Qvalue

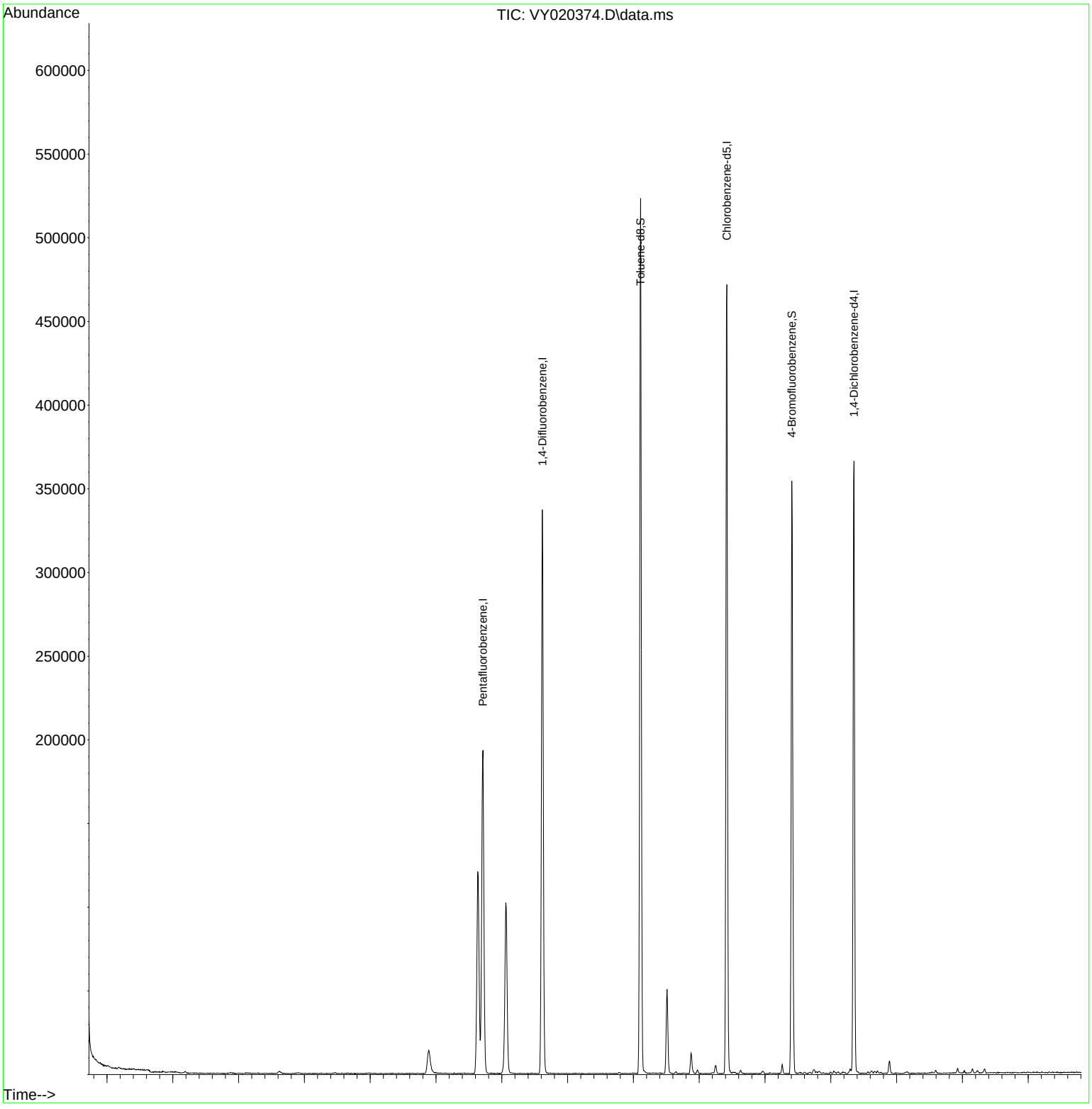
(#) = qualifier out of range (m) = manual integration (+) = signals summed

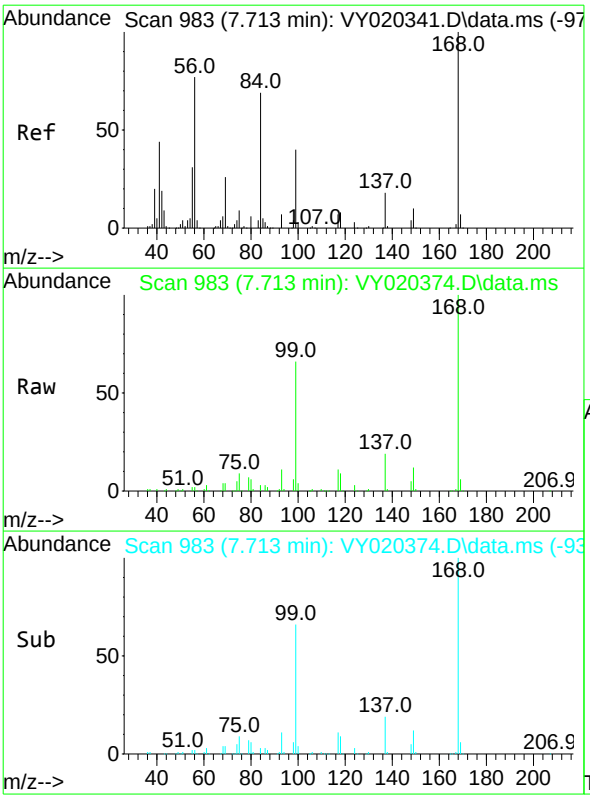
Sample Results: **VY020374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Time: Nov 21 13:56:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



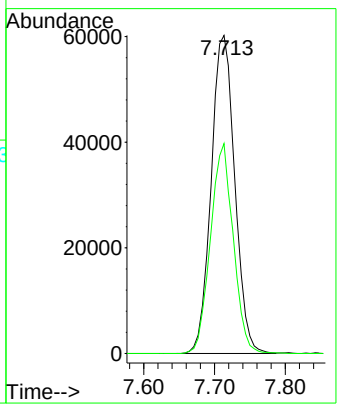


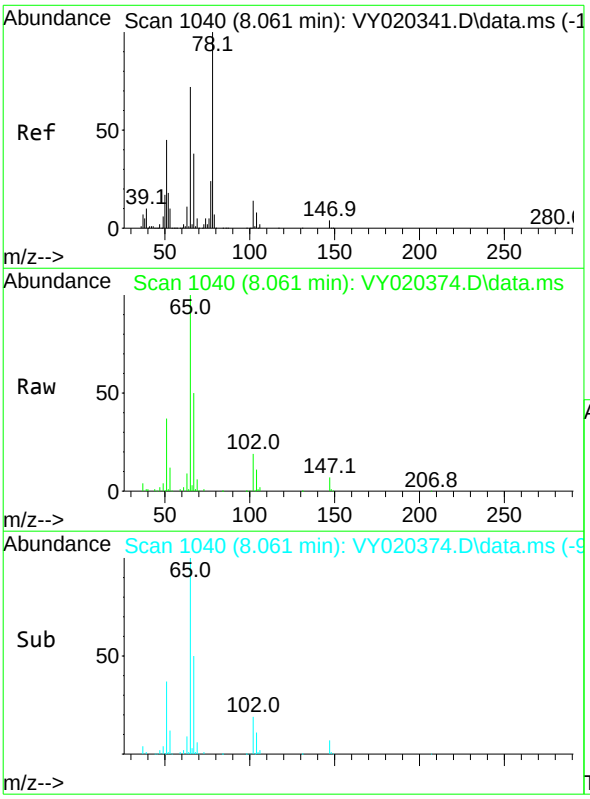
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:168 Resp: 139506

Ion	Ratio	Lower	Upper
168	100		
99	66.0	46.6	69.8

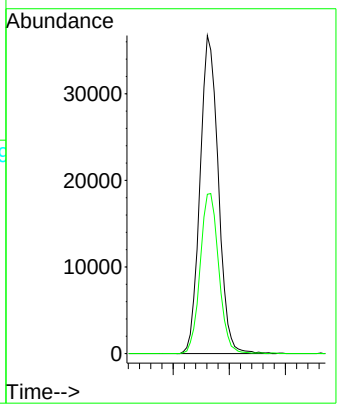


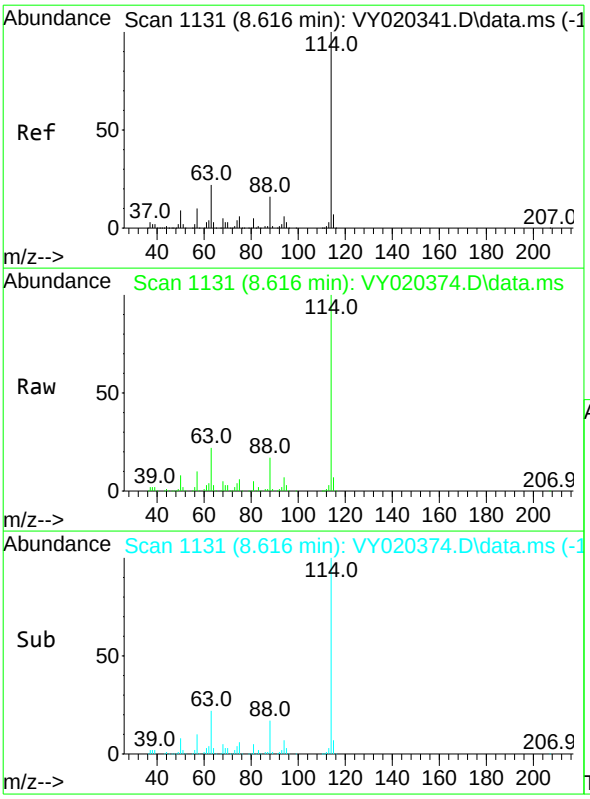


#33
1,2-Dichloroethane-d4
Concen: 51.857 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion: 65 Resp: 83114

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.8



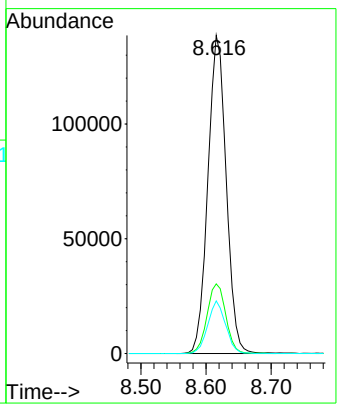


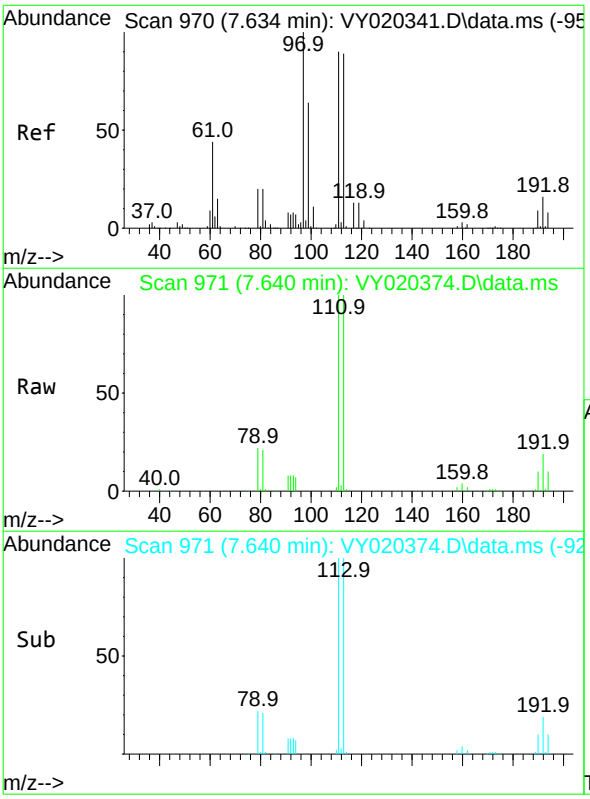
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:114 Resp: 270751

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.8
88	16.5	0.0	32.0

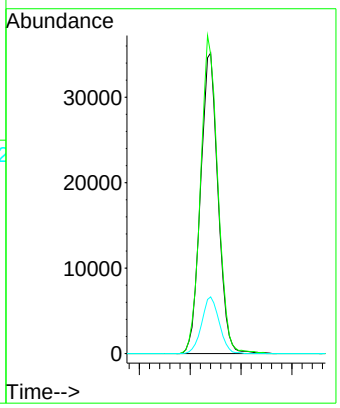


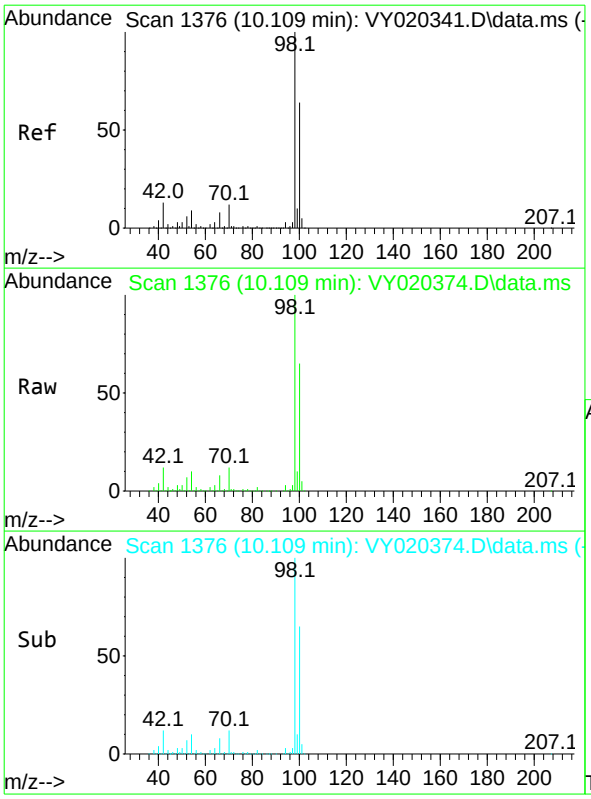


#35
Dibromofluoromethane
Concen: 48.450 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion:113 Resp: 84115

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	18.9	15.1	22.7



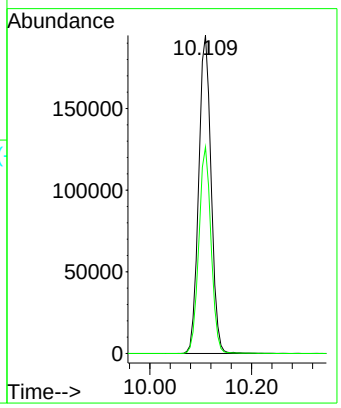


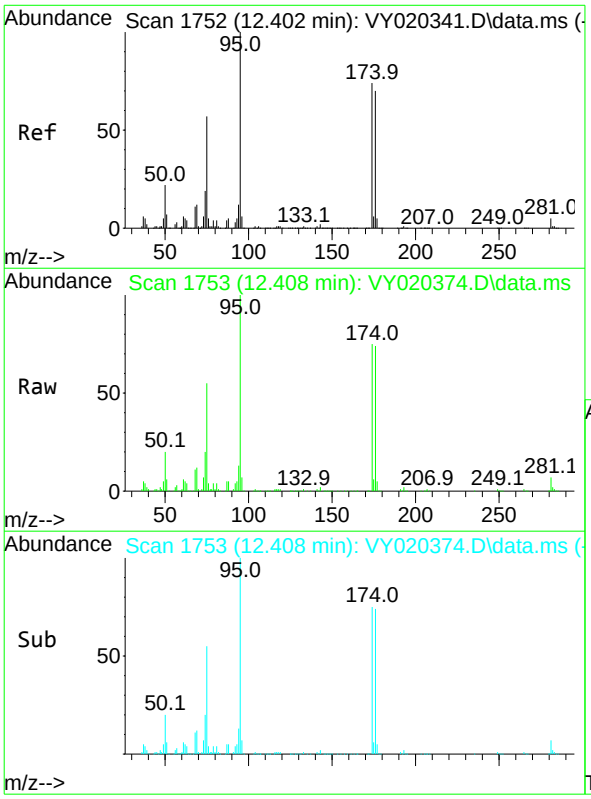
#50
Toluene-d8
Concen: 48.218 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion: 98 Resp: 329763

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9

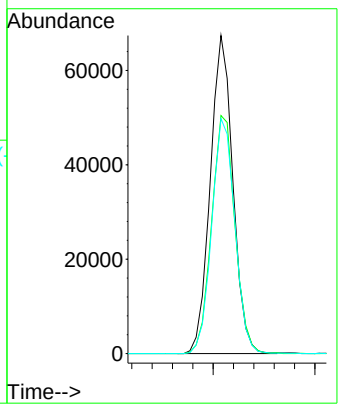


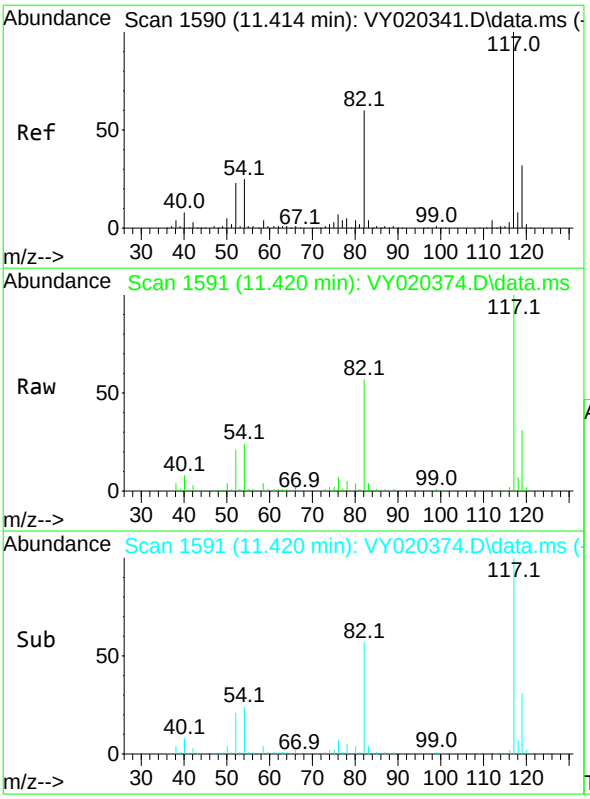


#62
4-Bromofluorobenzene
Concen: 47.324 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion: 95 Resp: 104043

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	156.8
176	75.4	0.0	152.0



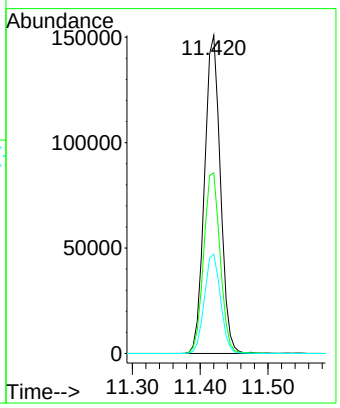


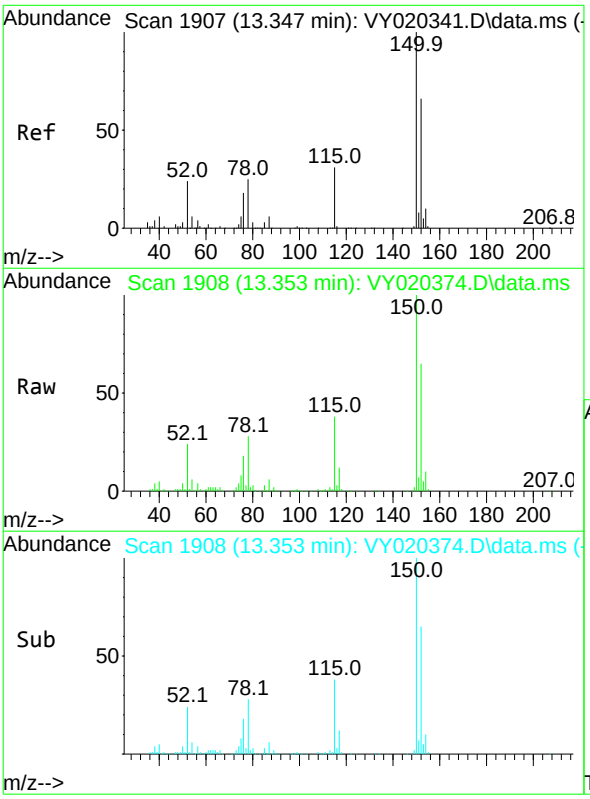
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:117 Resp: 245370

Ion	Ratio	Lower	Upper
117	100		
82	56.8	48.2	72.4
119	31.2	25.8	38.8

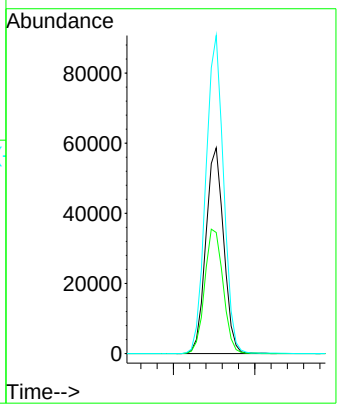




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion:152 Resp: 89046

Ion	Ratio	Lower	Upper
152	100		
115	62.6	30.0	90.0
150	154.3	0.0	348.2



Sample Results: **VY020374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020374.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	835	848	857	rBV	14023	45838	5.14%	0.989%
2	7.634	961	970	976	rBV	120761	283920	31.86%	6.127%
3	7.713	976	983	996	rVB	193066	443131	49.72%	9.563%
4	8.061	1026	1040	1051	rBV	102248	242886	27.25%	5.242%
5	8.616	1122	1131	1142	rBV	337014	659966	74.05%	14.242%
6	10.109	1368	1376	1393	rBV	523019	891259	100.00%	19.234%
7	10.512	1433	1442	1453	rBV	50195	90808	10.19%	1.960%
8	10.877	1497	1502	1512	rVB	12217	22092	2.48%	0.477%
9	11.420	1584	1591	1602	rBV	471263	780231	87.54%	16.838%
10	12.408	1747	1753	1764	rBV2	354121	591084	66.32%	12.756%
11	13.353	1901	1908	1917	rVB	365341	570479	64.01%	12.311%
12	13.889	1989	1996	2001	rBV	7330	12146	1.36%	0.262%

Sum of corrected areas: 4633840

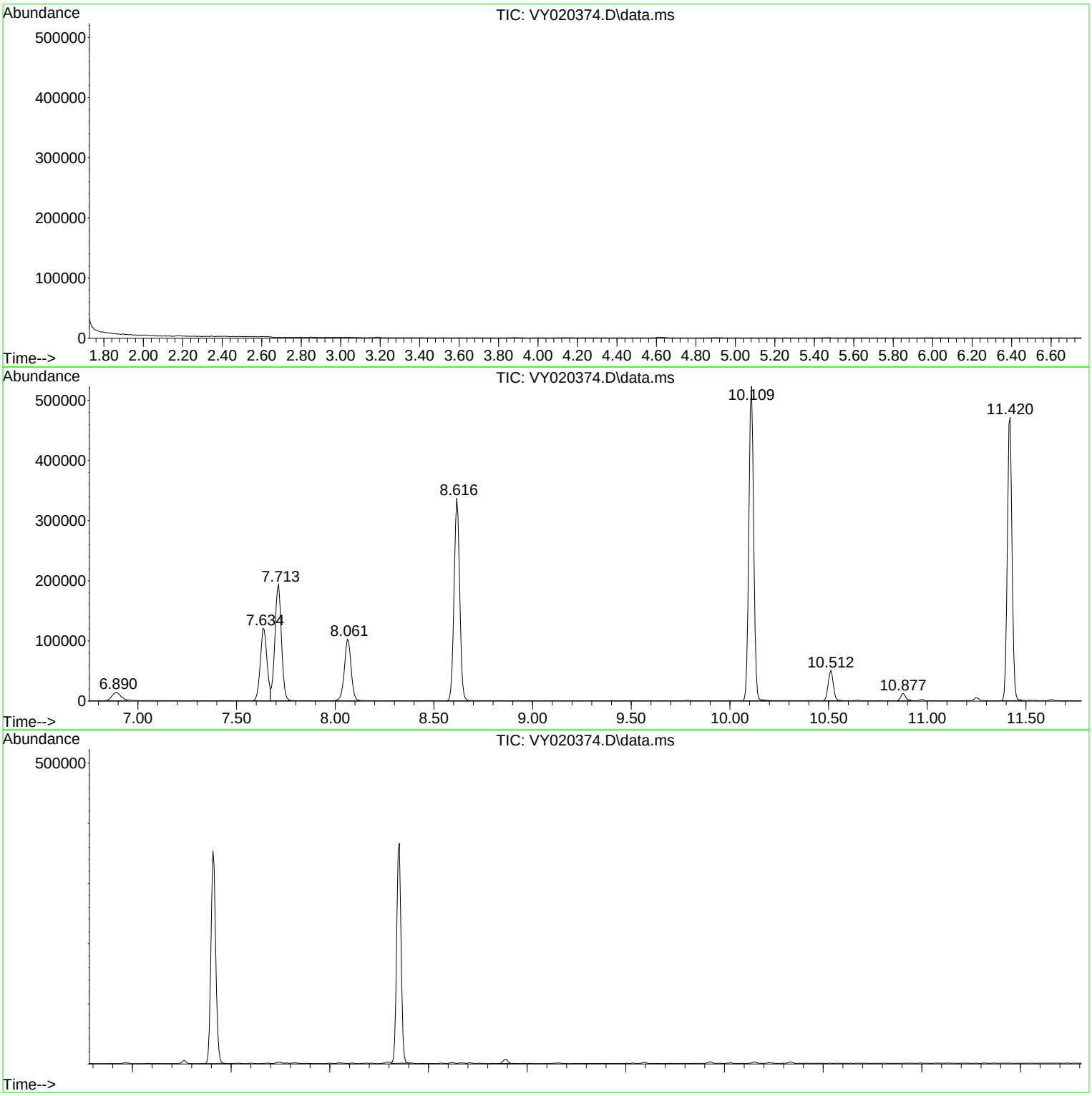
Sample Results: **VY020374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Sample Results: **VY020374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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: **VY020402.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBL01	SDG No.:	P4892
Lab Sample ID:	VY1122SBL01	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
VY020402.D	1		11/22/24 10:15	VY112224

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

Raw Data: **VY020402.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBL01	SDG No.:	P4892
Lab Sample ID:	VY1122SBL01	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
VY020402.D	1		11/22/24 10:15	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.6		70 (50) - 130 (163)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (58) - 130 (134)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		70 (29) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.72			
540-36-3	1,4-Difluorobenzene	307000	8.622			
3114-55-4	Chlorobenzene-d5	269000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	94800	13.359			

Raw Data: **VY020402.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBL01	SDG No.:	P4892
Lab Sample ID:	VY1122SBL01	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
VY020402.D	1		11/22/24 10:15	VY112224

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\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Time: Nov 22 23:56:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	161234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	306842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	269008	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	94757	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	88239	47.635	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.280%		
35) Dibromofluoromethane	7.646	113	95193	48.381	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.760%		
50) Toluene-d8	10.115	98	368920	47.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.200%		
62) 4-Bromofluorobenzene	12.414	95	112970	45.341	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	90.680%		
Target Compounds						Qvalue

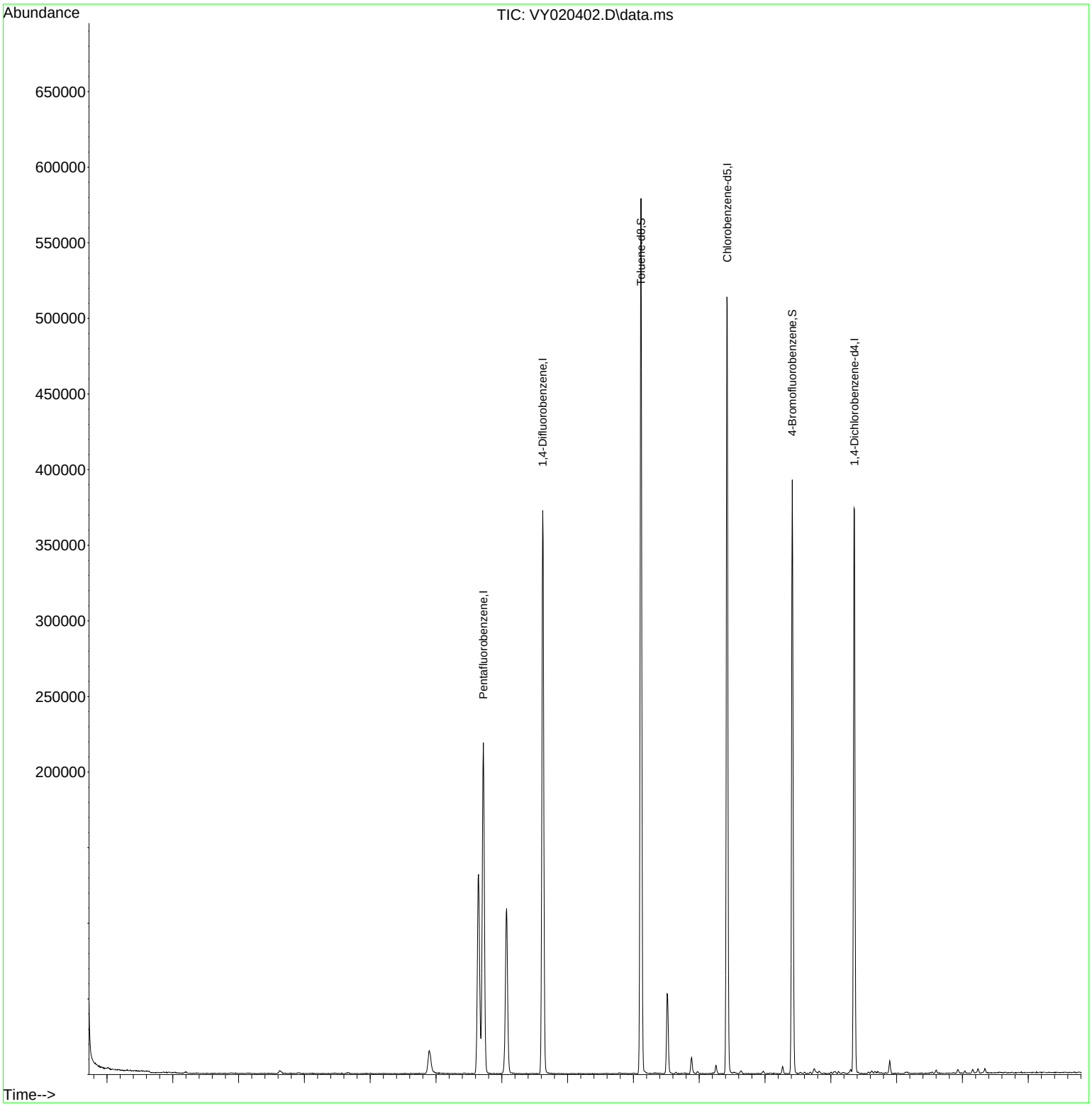
(#) = qualifier out of range (m) = manual integration (+) = signals summed

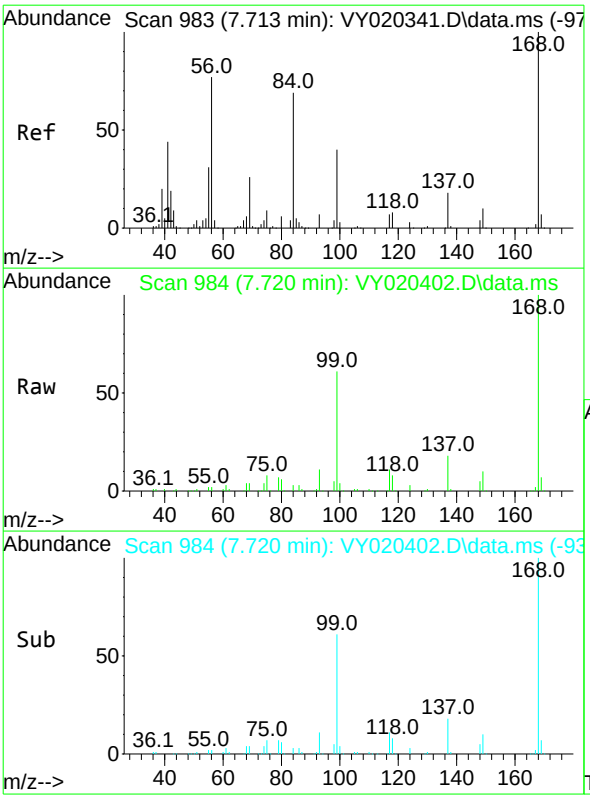
Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Time: Nov 22 23:56:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



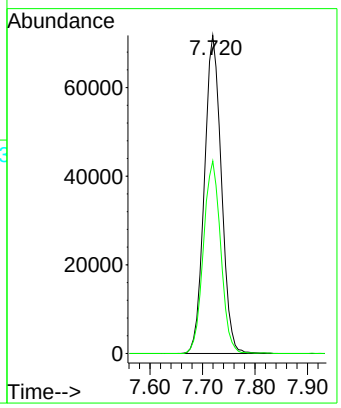


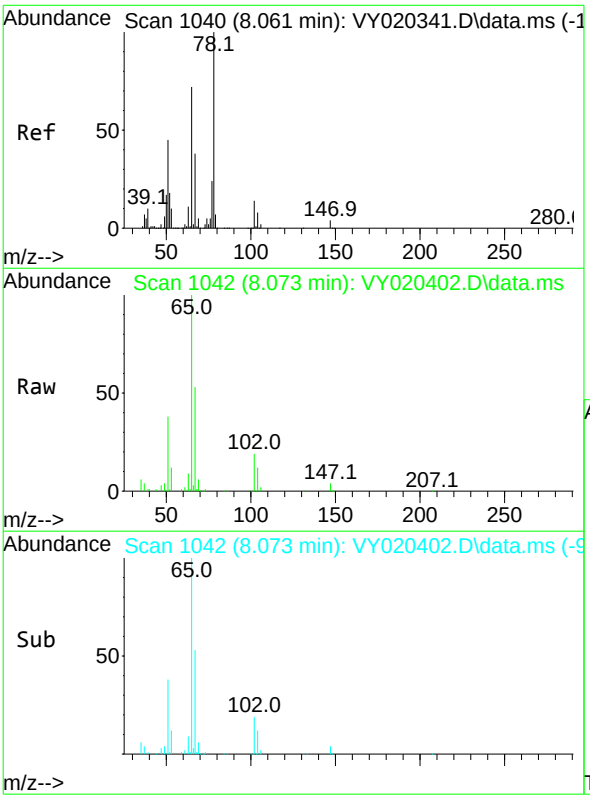
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion:168 Resp: 161234

Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.6	69.8

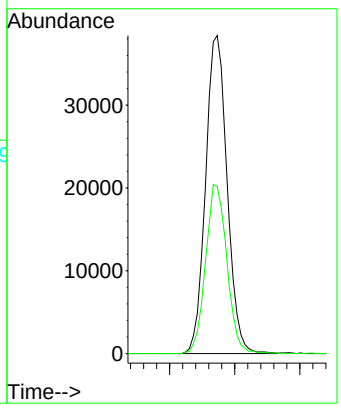


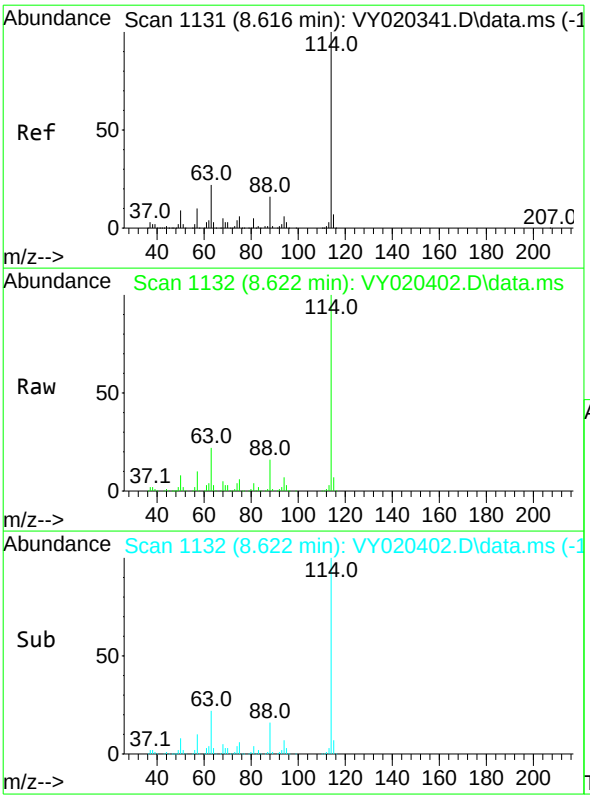


#33
1,2-Dichloroethane-d4
Concen: 47.635 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion: 65 Resp: 88239

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.8



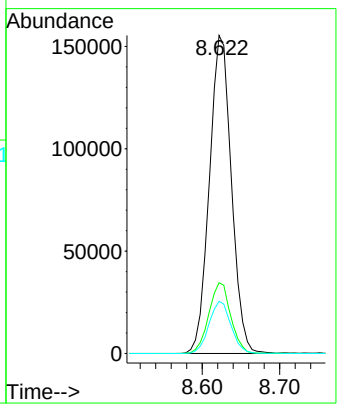


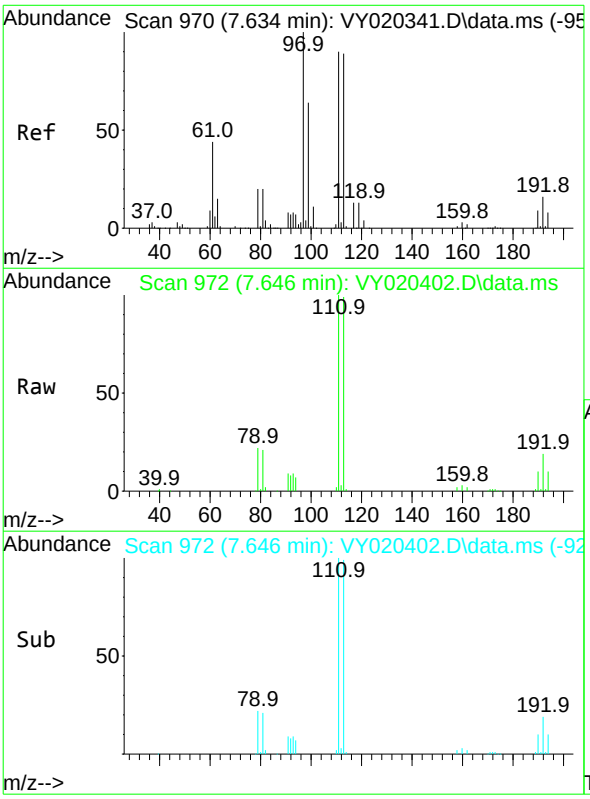
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion:114 Resp: 306842

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.8
88	16.4	0.0	32.0

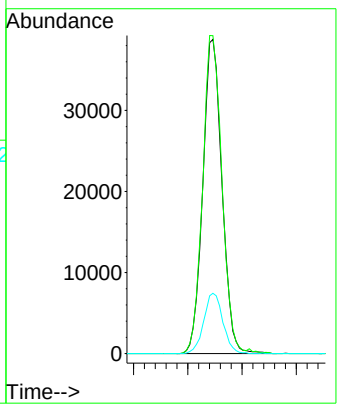


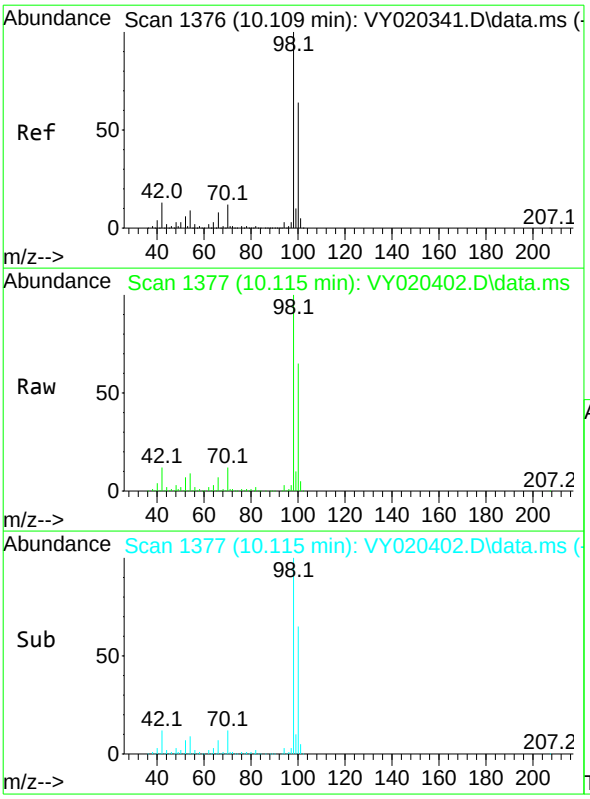


#35
Dibromofluoromethane
Concen: 48.381 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion:113 Resp: 95193

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.4	122.0
192	19.2	15.1	22.7



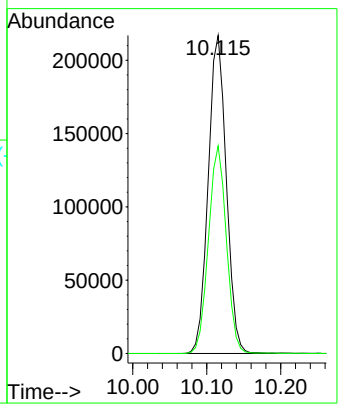


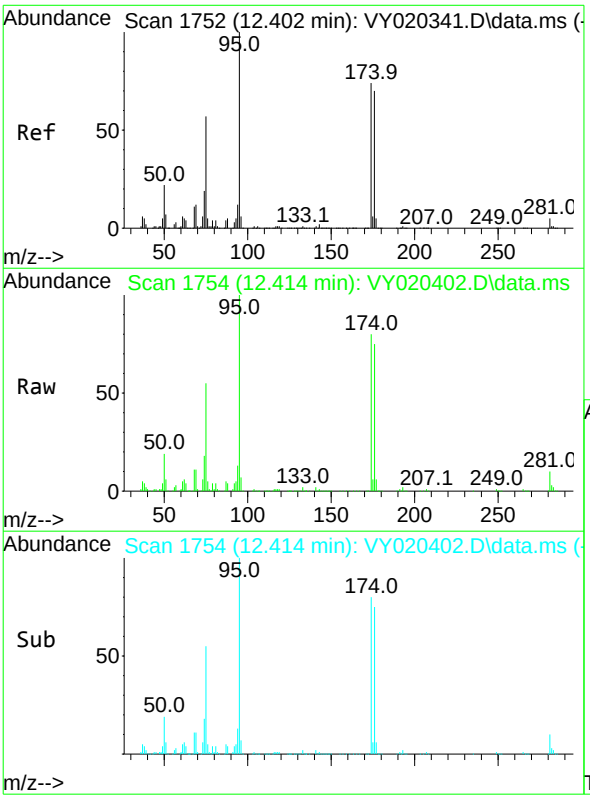
#50
Toluene-d8
Concen: 47.599 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion: 98 Resp: 368920

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9

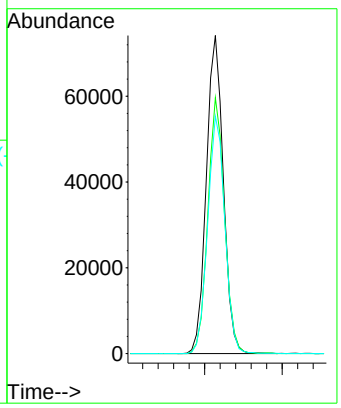


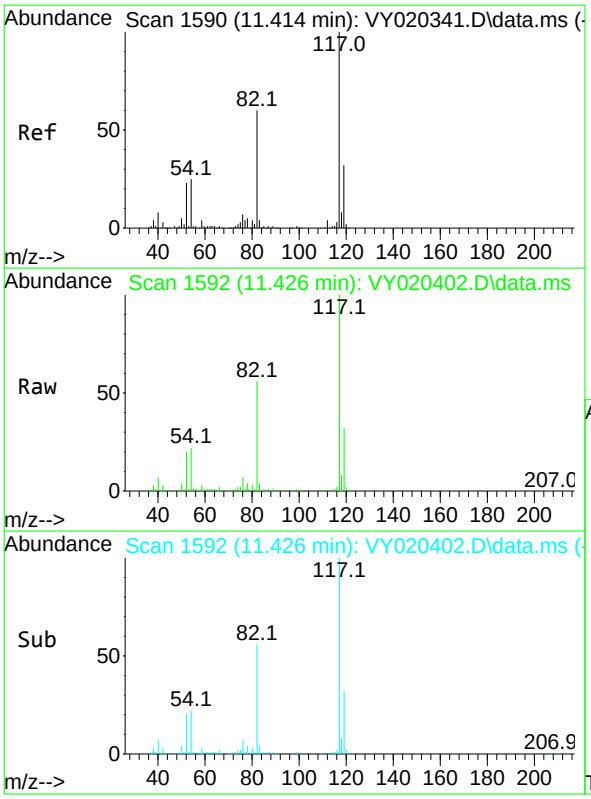


#62
4-Bromofluorobenzene
Concen: 45.341 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion: 95 Resp: 112970

Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	156.8
176	75.2	0.0	152.0



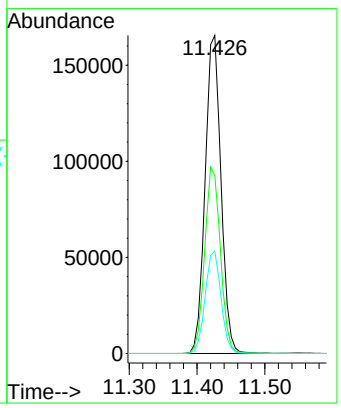


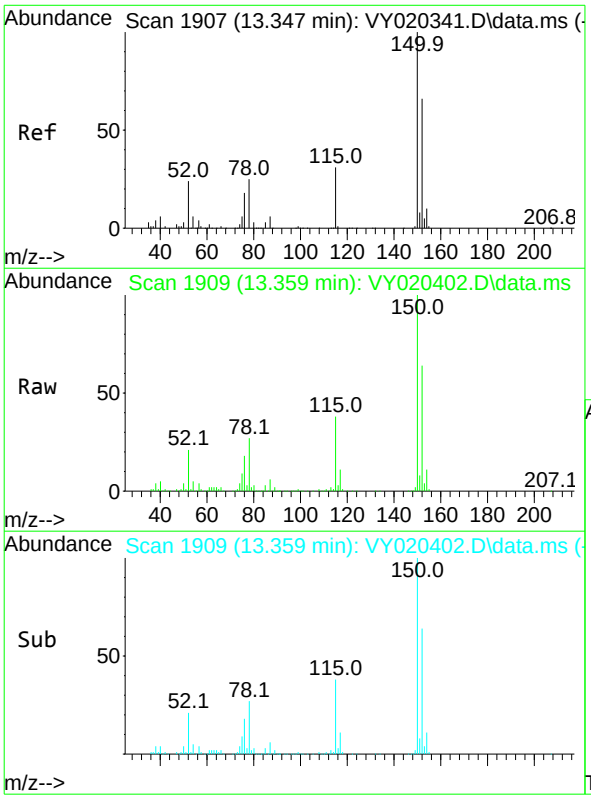
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion:117 Resp: 269008

Ion	Ratio	Lower	Upper
117	100		
82	56.0	48.2	72.4
119	32.2	25.8	38.8

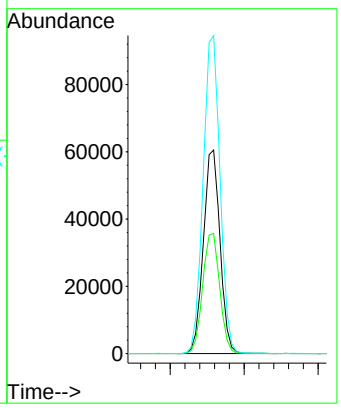




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion:152 Resp: 94757

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.0	90.0
150	158.3	0.0	348.2



Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020402.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.896	837	849	860	rBV2	15164	49393	5.01%	0.975%
2	7.646	962	972	978	rBV	131653	323040	32.75%	6.375%
3	7.720	978	984	997	rVB	218762	495760	50.26%	9.783%
4	8.073	1030	1042	1052	rBV	109046	257161	26.07%	5.075%
5	8.622	1124	1132	1145	rBV	372459	737886	74.81%	14.561%
6	10.115	1369	1377	1386	rBV	578837	986383	100.00%	19.465%
7	10.512	1435	1442	1456	rVB	52910	100548	10.19%	1.984%
8	10.884	1498	1503	1512	rBV	10612	19038	1.93%	0.376%
9	11.420	1584	1591	1604	rBV	513727	848917	86.06%	16.752%
10	12.414	1747	1754	1765	rBV2	392586	640465	64.93%	12.639%
11	13.353	1902	1908	1917	rVB	373217	595680	60.39%	11.755%
12	13.895	1990	1997	2002	rVB	8385	13200	1.34%	0.260%

Sum of corrected areas: 5067471

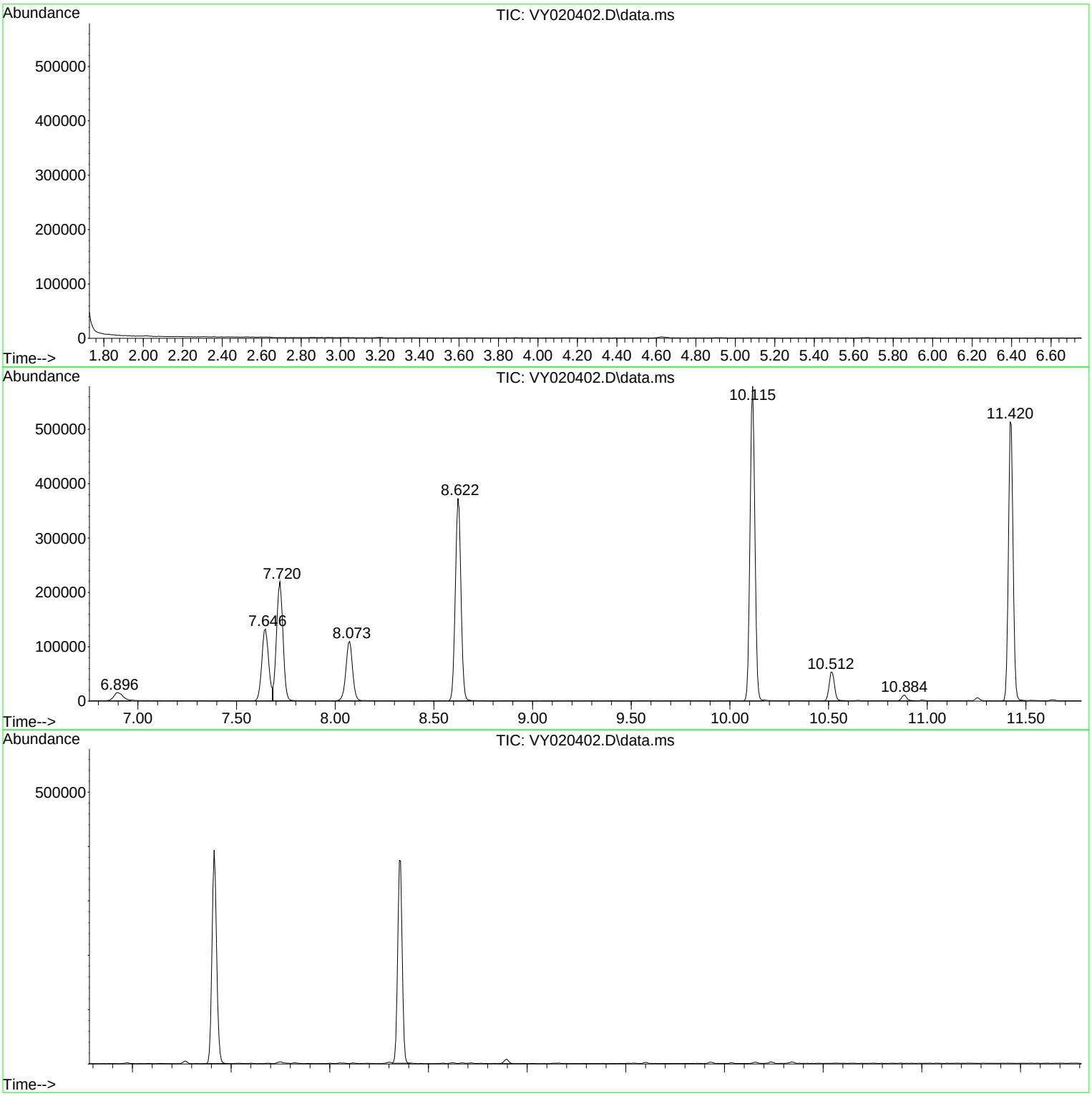
Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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: **VN084964.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4892
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		0.21	1.00	ug/L
74-87-3	Chloromethane	17.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.34	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.60	5.00	ug/L
78-93-3	2-Butanone	120		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.6		0.19	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	5.00	ug/L
108-88-3	Toluene	20.7		0.18	1.00	ug/L

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4892
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.31	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.5		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	44.9		70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	8.224			
540-36-3	1,4-Difluorobenzene	254000	9.1			
3114-55-4	Chlorobenzene-d5	230000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

Raw Data: **VN084964.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4892
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VN084964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102086	46.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.840%			
35) Dibromofluoromethane	8.165	113	82888	48.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.600%			
50) Toluene-d8	10.565	98	283802	44.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.780%			
62) 4-Bromofluorobenzene	12.847	95	113847	48.183	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	35618	20.569	ug/l	97
3) Chloromethane	2.359	50	39396	17.764	ug/l	96
4) Vinyl Chloride	2.506	62	35932	19.293	ug/l	94
5) Bromomethane	2.901	94	19858	20.124	ug/l	91
6) Chloroethane	3.071	64	23127	19.201	ug/l	98
7) Trichlorofluoromethane	3.465	101	60800	19.818	ug/l	99
8) Diethyl Ether	3.953	74	23262	21.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.353	101	34019	19.624	ug/l	98
10) Methyl Iodide	4.577	142	48587	20.971	ug/l	98
11) Tert butyl alcohol	5.542	59	33696	117.336	ug/l	98
12) 1,1-Dichloroethene	4.330	96	32651	19.034	ug/l	94
13) Acrolein	4.171	56	31534	110.120	ug/l	97
14) Allyl chloride	5.012	41	54299	19.519	ug/l	94
15) Acrylonitrile	5.712	53	96254	115.780	ug/l	98
16) Acetone	4.430	43	72399	113.647	ug/l	96
17) Carbon Disulfide	4.700	76	93961	17.787	ug/l	98
18) Methyl Acetate	5.024	43	50778	19.700	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	114824	21.839	ug/l	98
20) Methylene Chloride	5.265	84	38672	20.210	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	33847	19.216	ug/l	95
22) Diisopropyl ether	6.671	45	116859	21.141	ug/l	97
23) Vinyl Acetate	6.600	43	432838	113.548	ug/l	98
24) 1,1-Dichloroethane	6.559	63	65568	19.757	ug/l	97
25) 2-Butanone	7.483	43	124217	122.382	ug/l	97
26) 2,2-Dichloropropane	7.483	77	58388	20.214	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	41367	20.114	ug/l	97
28) Bromochloromethane	7.806	49	28846	21.817	ug/l	90
29) Tetrahydrofuran	7.841	42	81330	120.782	ug/l	96
30) Chloroform	7.965	83	69698	20.634	ug/l	93
31) Cyclohexane	8.247	56	56449	18.794	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61504	20.005	ug/l	97
36) 1,1-Dichloropropene	8.365	75	45714	19.205	ug/l	98
37) Ethyl Acetate	7.559	43	48545	22.479	ug/l	95
38) Carbon Tetrachloride	8.359	117	55251	20.767	ug/l	95
39) Methylcyclohexane	9.600	83	49871	20.595	ug/l	97
40) Benzene	8.600	78	151055	19.761	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	28047	24.151	ug/l		98
42) 1,2-Dichloroethane	8.665	62	52979	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	89614	21.919	ug/l		99
44) Trichloroethene	9.347	130	34468	19.552	ug/l		97
45) 1,2-Dichloropropane	9.618	63	37090	20.684	ug/l		98
46) Dibromomethane	9.706	93	26646	21.059	ug/l		96
47) Bromodichloromethane	9.888	83	53986	20.241	ug/l	#	99
48) Methyl methacrylate	9.682	41	39511	23.508	ug/l		98
49) 1,4-Dioxane	9.694	88	13647	458.199	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	257532	125.092	ug/l		99
52) Toluene	10.629	92	92522	20.695	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53494	19.376	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	58965	20.179	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	36801	21.853	ug/l		95
56) Ethyl methacrylate	10.871	69	57695	23.685	ug/l		96
57) 1,3-Dichloropropane	11.159	76	61447	21.260	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	115920	101.699	ug/l		95
59) 2-Hexanone	11.194	43	190538	127.150	ug/l		99
60) Dibromochloromethane	11.359	129	41243	21.489	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36672	21.265	ug/l		98
64) Tetrachloroethene	11.100	164	30097	19.699	ug/l		93
65) Chlorobenzene	11.888	112	99409	19.345	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35112	19.644	ug/l		98
67) Ethyl Benzene	11.965	91	168037	19.590	ug/l		99
68) m/p-Xylenes	12.071	106	127695	39.323	ug/l		99
69) o-Xylene	12.400	106	62946	20.721	ug/l		99
70) Styrene	12.412	104	106834	20.160	ug/l		99
71) Bromoform	12.582	173	26831	19.950	ug/l	#	95
73) Isopropylbenzene	12.694	105	155280	19.290	ug/l		99
74) N-amyl acetate	12.494	43	72549	21.175	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	54852	20.414	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	46699m	20.337	ug/l		
77) Bromobenzene	12.976	156	40419	18.677	ug/l		96
78) n-propylbenzene	13.035	91	178621	18.935	ug/l		98
79) 2-Chlorotoluene	13.123	91	117308	19.032	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132819	19.907	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18261m	18.867	ug/l		
82) 4-Chlorotoluene	13.218	91	119090	18.359	ug/l		98
83) tert-Butylbenzene	13.435	119	112021	20.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	138540	20.119	ug/l		98
85) sec-Butylbenzene	13.618	105	149002	19.103	ug/l		100
86) p-Isopropyltoluene	13.729	119	123982	19.382	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	73769	17.467	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	72532	18.009	ug/l		99
89) n-Butylbenzene	14.059	91	102739	17.170	ug/l		99
90) Hexachloroethane	14.335	117	25263	17.709	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	73040	17.997	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11216	20.605	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	35527	15.994	ug/l		98
94) Hexachlorobutadiene	15.500	225	16423	16.836	ug/l		96
95) Naphthalene	15.641	128	117662	17.697	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	35531	16.478	ug/l		100

Sample Results: **VN084964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

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

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

Sample Results: **VN084964.D**

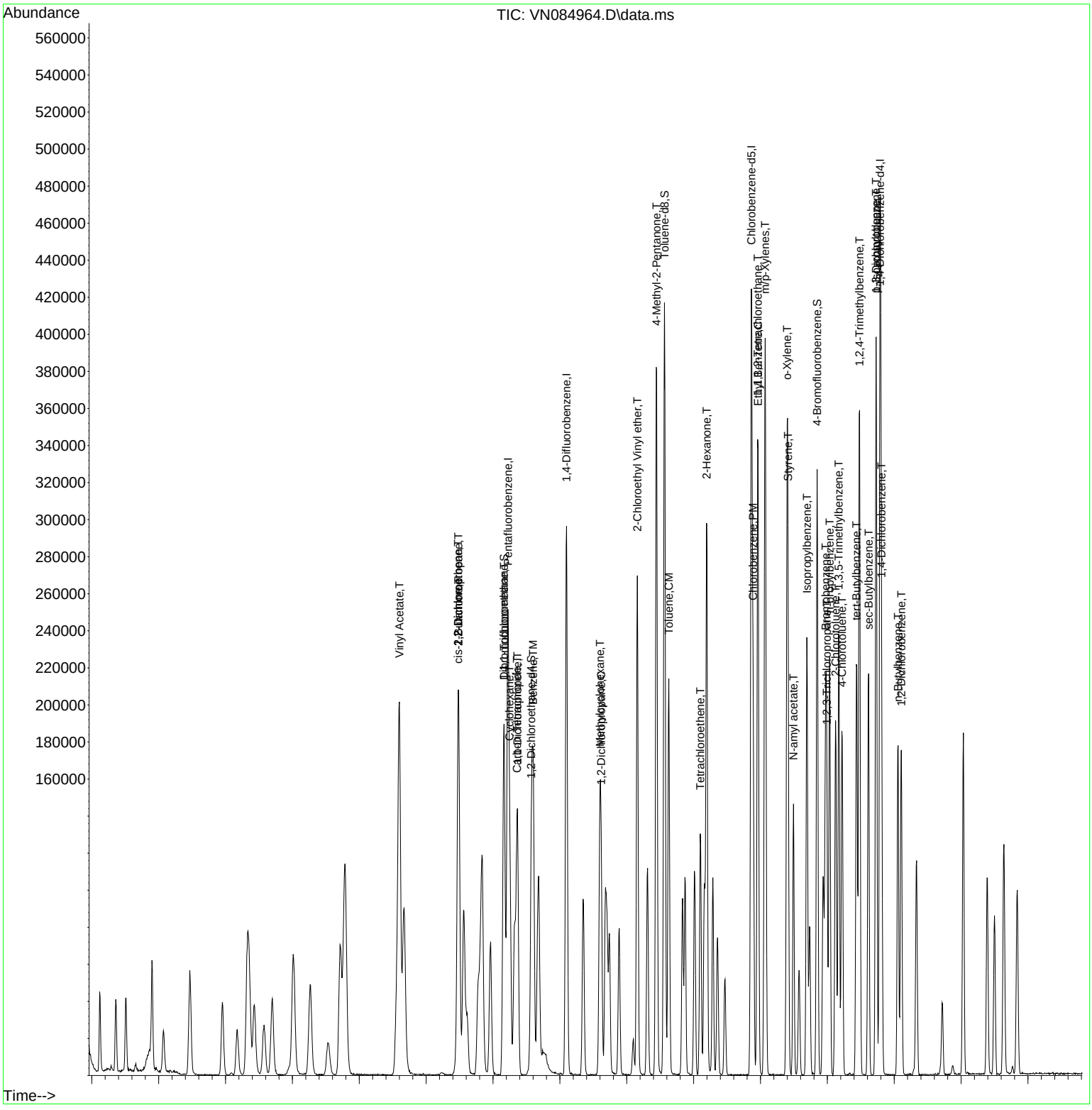
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Raw Data: **VY020375.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4892
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	15.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.3		0.78	5.00	ug/Kg
67-64-1	Acetone	93.9		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.3		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.7		0.69	5.00	ug/Kg
78-93-3	2-Butanone	99.8		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.87	5.00	ug/Kg
71-43-2	Benzene	19.6		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.7		4.40	25.0	ug/Kg
108-88-3	Toluene	19.3		0.67	5.00	ug/Kg

Raw Data: **VY020375.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4892
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.2		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.5		0.70	5.00	ug/Kg
100-42-5	Styrene	19.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.4		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.9		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		70 (50) - 130 (163)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		70 (54) - 130 (147)	87%	SPK: 50
2037-26-5	Toluene-d8	43.3		70 (58) - 130 (134)	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (29) - 130 (146)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.713			
540-36-3	1,4-Difluorobenzene	304000	8.616			
3114-55-4	Chlorobenzene-d5	255000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.352			

Raw Data: **VY020375.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4892
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY020375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	180247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	303523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	255135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	121310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	95330	46.035	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.060%			
35) Dibromofluoromethane	7.640	113	85002	43.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.340%			
50) Toluene-d8	10.109	98	332344	43.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.700%			
62) 4-Bromofluorobenzene	12.408	95	110943	45.014	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38946	22.260	ug/l	97
3) Chloromethane	2.074	50	40357	14.316	ug/l	96
4) Vinyl Chloride	2.208	62	37886	15.784	ug/l	98
5) Bromomethane	2.604	94	20743	17.304	ug/l	100
6) Chloroethane	2.739	64	23745	16.958	ug/l	98
7) Trichlorofluoromethane	3.068	101	66071	19.809	ug/l	98
8) Diethyl Ether	3.458	74	19799	18.813	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	36345	18.297	ug/l	100
10) Methyl Iodide	4.013	142	47517	17.859	ug/l	95
11) Tert butyl alcohol	4.872	59	14695	90.913	ug/l	95
12) 1,1-Dichloroethene	3.799	96	35988	18.303	ug/l	98
13) Acrolein	3.659	56	18523	144.453	ug/l	99
14) Allyl chloride	4.391	41	68363	17.979	ug/l	95
15) Acrylonitrile	5.067	53	43974	94.525	ug/l	99
16) Acetone	3.879	43	46611	93.891	ug/l	94
17) Carbon Disulfide	4.110	76	114597	17.299	ug/l	99
18) Methyl Acetate	4.391	43	20960	18.113	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	98615	19.307	ug/l	97
20) Methylene Chloride	4.622	84	39953	19.004	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	39135	17.920	ug/l	94
22) Diisopropyl ether	6.031	45	137248	18.317	ug/l	98
23) Vinyl Acetate	5.970	43	388407	92.756	ug/l	99
24) 1,1-Dichloroethane	5.927	63	78285	18.507	ug/l	96
25) 2-Butanone	6.902	43	63764	99.770	ug/l	98
26) 2,2-Dichloropropane	6.896	77	69511	19.881	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	45476	18.906	ug/l	96
28) Bromochloromethane	7.256	49	32189	18.080	ug/l	99
29) Tetrahydrofuran	7.268	42	37676	98.633	ug/l	98
30) Chloroform	7.427	83	77412	18.951	ug/l	98
31) Cyclohexane	7.707	56	72133	18.686	ug/l #	95
32) 1,1,1-Trichloroethane	7.622	97	72285	20.154	ug/l	99
36) 1,1-Dichloropropene	7.841	75	57076	19.200	ug/l	98
37) Ethyl Acetate	6.994	43	27101	19.901	ug/l	99
38) Carbon Tetrachloride	7.823	117	65629	21.145	ug/l	98
39) Methylcyclohexane	9.115	83	69833	18.771	ug/l	97
40) Benzene	8.085	78	171136	19.645	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13680	17.656	ug/l		96
42) 1,2-Dichloroethane	8.164	62	48620	20.677	ug/l		98
43) Isopropyl Acetate	8.201	43	53412	20.169	ug/l	#	87
44) Trichloroethene	8.865	130	39835	19.299	ug/l		97
45) 1,2-Dichloropropane	9.146	63	39715	19.108	ug/l		99
46) Dibromomethane	9.237	93	20413	19.162	ug/l		97
47) Bromodichloromethane	9.426	83	58594	19.924	ug/l		98
48) Methyl methacrylate	9.225	41	24591	19.422	ug/l		95
49) 1,4-Dioxane	9.231	88	4188	382.119	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	133986	99.697	ug/l		99
52) Toluene	10.176	92	102921	19.329	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	53363	19.189	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	63347	19.899	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	26820	18.966	ug/l		100
56) Ethyl methacrylate	10.438	69	39987	18.829	ug/l		98
57) 1,3-Dichloropropane	10.719	76	50296	19.791	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	100485	99.789	ug/l		99
59) 2-Hexanone	10.761	43	97031	101.962	ug/l		100
60) Dibromochloromethane	10.914	129	36034	19.770	ug/l		98
61) 1,2-Dibromoethane	11.018	107	24532	18.722	ug/l		100
64) Tetrachloroethene	10.652	164	34140	18.563	ug/l		96
65) Chlorobenzene	11.444	112	105916	18.619	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	37863	19.924	ug/l		97
67) Ethyl Benzene	11.524	91	199885	19.046	ug/l		100
68) m/p-Xylenes	11.633	106	148141	39.189	ug/l		98
69) o-Xylene	11.956	106	70006	19.525	ug/l		98
70) Styrene	11.975	104	117883	19.789	ug/l		99
71) Bromoform	12.133	173	20512	20.711	ug/l	#	98
73) Isopropylbenzene	12.255	105	189065	18.398	ug/l		100
74) N-amyl acetate	12.072	43	45544	18.339	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	30208	18.188	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21691m	18.971	ug/l		
77) Bromobenzene	12.536	156	39097	18.159	ug/l		95
78) n-propylbenzene	12.597	91	228254	18.508	ug/l		100
79) 2-Chlorotoluene	12.682	91	128274	18.090	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	153707	18.507	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	10525	18.037	ug/l		95
82) 4-Chlorotoluene	12.779	91	130788	17.871	ug/l		98
83) tert-Butylbenzene	13.005	119	134252	18.318	ug/l		96
84) 1,2,4-Trimethylbenzene	13.048	105	150805	18.315	ug/l		99
85) sec-Butylbenzene	13.182	105	197873	17.126	ug/l		100
86) p-Isopropyltoluene	13.298	119	162886	18.233	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77470	17.796	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	76598	18.416	ug/l		98
89) n-Butylbenzene	13.621	91	153757	17.973	ug/l		99
90) Hexachloroethane	13.883	117	31013	17.986	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	67451	18.596	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4936	18.112	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	39202	17.875	ug/l		99
94) Hexachlorobutadiene	15.029	225	24790	18.518	ug/l		98
95) Naphthalene	15.151	128	69552	18.415	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	32957	17.576	ug/l		100

Sample Results: **VY020375.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

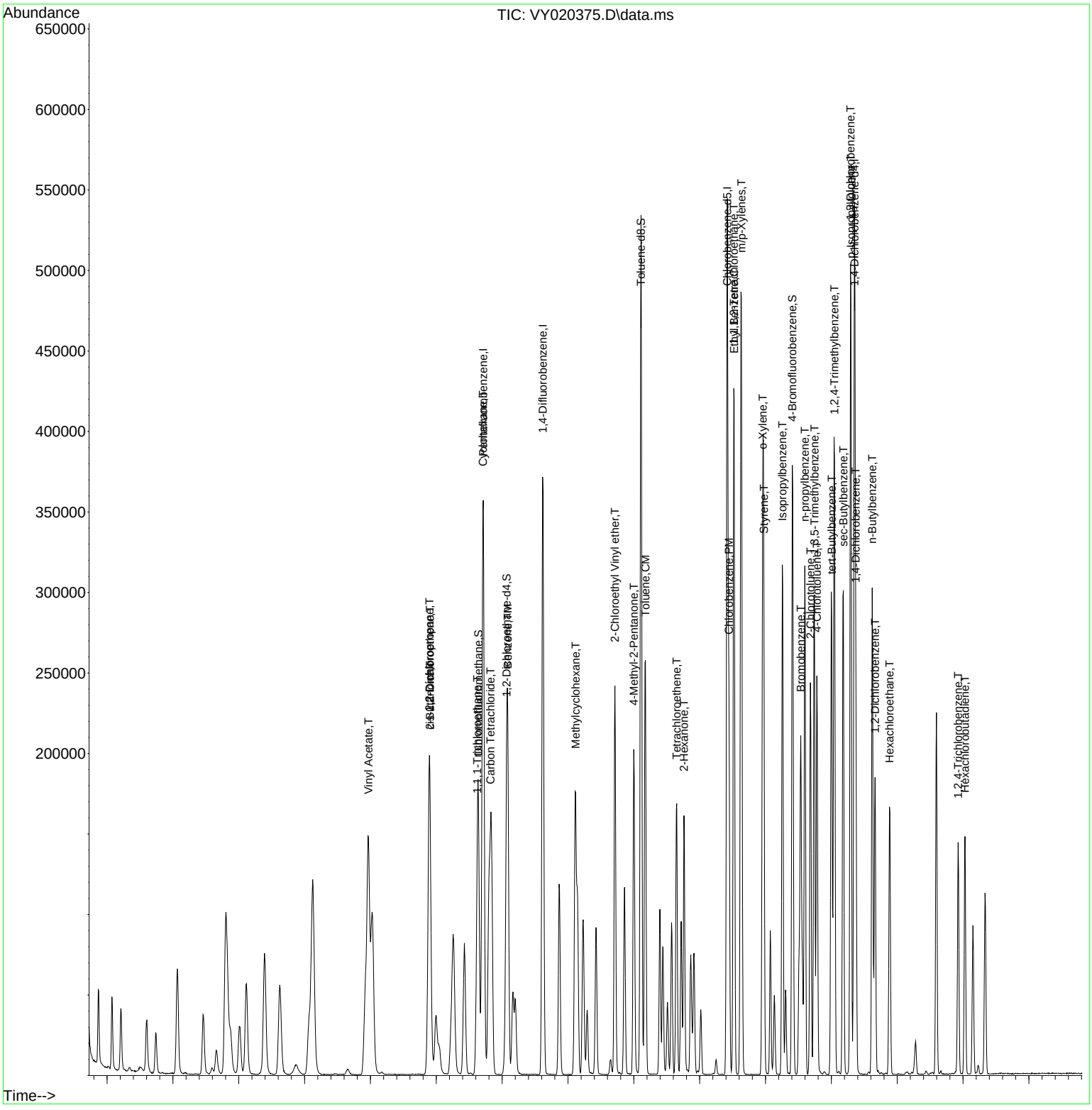
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Raw Data: **VY020404.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBS02	SDG No.:	P4892
Lab Sample ID:	VY1122SBS02	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
VY020404.D	1		11/22/24 11:04	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	25.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	15.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	18.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		0.78	5.00	ug/Kg
67-64-1	Acetone	95.0		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	17.9		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	24.8		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.9		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.6		0.87	5.00	ug/Kg
71-43-2	Benzene	22.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	22.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.9		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	22.5		0.67	5.00	ug/Kg

Raw Data: **VY020404.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBS02	SDG No.:	P4892
Lab Sample ID:	VY1122SBS02	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
VY020404.D	1		11/22/24 11:04	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	22.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	45.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	22.6		0.70	5.00	ug/Kg
100-42-5	Styrene	23.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	23.6		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		70 (50) - 130 (163)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (54) - 130 (147)	106%	SPK: 50
2037-26-5	Toluene-d8	52.9		70 (58) - 130 (134)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (29) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	7.719			
540-36-3	1,4-Difluorobenzene	298000	8.622			
3114-55-4	Chlorobenzene-d5	247000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.352			

Raw Data: **VY020404.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBS02	SDG No.:	P4892
Lab Sample ID:	VY1122SBS02	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
VY020404.D	1		11/22/24 11:04	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY020404.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	182116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	298132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	246608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	113255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	111076	53.088	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.180%			
35) Dibromofluoromethane	7.640	113	101764	53.232	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.460%			
50) Toluene-d8	10.109	98	398203	52.878	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.760%			
62) 4-Bromofluorobenzene	12.408	95	132161	54.593	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 109.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44685	25.278	ug/l	99
3) Chloromethane	2.074	50	43774	15.743	ug/l	95
4) Vinyl Chloride	2.214	62	42648	17.586	ug/l	96
5) Bromomethane	2.604	94	24646	20.349	ug/l	98
6) Chloroethane	2.745	64	25674	18.148	ug/l	97
7) Trichlorofluoromethane	3.068	101	76847	22.803	ug/l	100
8) Diethyl Ether	3.458	74	21142	19.883	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.830	101	43231	21.540	ug/l	99
10) Methyl Iodide	4.013	142	52717	19.610	ug/l	94
11) Tert butyl alcohol	4.872	59	14325	87.581	ug/l	100
12) 1,1-Dichloroethene	3.799	96	41271	20.774	ug/l	99
13) Acrolein	3.665	56	16167	124.786	ug/l	99
14) Allyl chloride	4.397	41	72760	18.940	ug/l	95
15) Acrylonitrile	5.067	53	45278	96.329	ug/l	99
16) Acetone	3.879	43	47644	94.987	ug/l	92
17) Carbon Disulfide	4.116	76	130774	19.539	ug/l	100
18) Methyl Acetate	4.391	43	20951	17.919	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	105998	20.539	ug/l	96
20) Methylene Chloride	4.628	84	43466	20.463	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	45023	20.405	ug/l	94
22) Diisopropyl ether	6.025	45	143258	18.922	ug/l	94
23) Vinyl Acetate	5.970	43	397626	93.983	ug/l	100
24) 1,1-Dichloroethane	5.927	63	85352	19.970	ug/l	99
25) 2-Butanone	6.909	43	65000	100.660	ug/l	99
26) 2,2-Dichloropropane	6.896	77	77236	21.864	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	52238	21.494	ug/l	98
28) Bromochloromethane	7.256	49	32981	18.335	ug/l	98
29) Tetrahydrofuran	7.268	42	37344	96.761	ug/l	99
30) Chloroform	7.433	83	87034	21.088	ug/l	99
31) Cyclohexane	7.713	56	80472	20.632	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	82882	22.871	ug/l	98
36) 1,1-Dichloropropene	7.841	75	63439	21.727	ug/l	99
37) Ethyl Acetate	6.994	43	26794	20.032	ug/l	97
38) Carbon Tetrachloride	7.823	117	75608	24.801	ug/l	98
39) Methylcyclohexane	9.115	83	82700	22.631	ug/l	99
40) Benzene	8.085	78	192195	22.461	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15027	19.745	ug/l	98
42) 1,2-Dichloroethane	8.164	62	52455	22.711	ug/l	100
43) Isopropyl Acetate	8.201	43	53749	20.663	ug/l	96
44) Trichloroethene	8.872	130	46129	22.753	ug/l	98
45) 1,2-Dichloropropane	9.146	63	44684	21.887	ug/l	99
46) Dibromomethane	9.237	93	21891	20.921	ug/l	97
47) Bromodichloromethane	9.426	83	63732	22.063	ug/l	98
48) Methyl methacrylate	9.225	41	25223	20.282	ug/l	97
49) 1,4-Dioxane	9.231	88	4426	411.137	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	134967	102.243	ug/l	99
52) Toluene	10.176	92	117588	22.483	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	57948	21.214	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	69407	22.197	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	30154	21.710	ug/l	96
56) Ethyl methacrylate	10.444	69	41769	20.024	ug/l	94
57) 1,3-Dichloropropane	10.719	76	52320	20.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	99738	100.839	ug/l	100
59) 2-Hexanone	10.761	43	96861	103.624	ug/l	97
60) Dibromochloromethane	10.914	129	40445	22.591	ug/l	99
61) 1,2-Dibromoethane	11.018	107	27281	21.196	ug/l	99
64) Tetrachloroethene	10.652	164	40490	22.777	ug/l	95
65) Chlorobenzene	11.444	112	122560	22.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	41629	22.663	ug/l	98
67) Ethyl Benzene	11.524	91	228903	22.565	ug/l	100
68) m/p-Xylenes	11.633	106	166365	45.531	ug/l	98
69) o-Xylene	11.956	106	78340	22.605	ug/l	96
70) Styrene	11.975	104	132399	22.994	ug/l	99
71) Bromoform	12.133	173	22552	23.558	ug/l	100
73) Isopropylbenzene	12.261	105	219664	22.896	ug/l	100
74) N-amyl acetate	12.072	43	43939	18.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	32756	21.125	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	22996m	21.543	ug/l	
77) Bromobenzene	12.536	156	43708	21.745	ug/l	98
78) n-propylbenzene	12.597	91	253646	22.029	ug/l	99
79) 2-Chlorotoluene	12.682	91	144796	21.872	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	176320	22.740	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	11280	20.706	ug/l	98
82) 4-Chlorotoluene	12.779	91	146063	21.378	ug/l	99
83) tert-Butylbenzene	13.005	119	154600	22.594	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	174090	22.647	ug/l	98
85) sec-Butylbenzene	13.182	105	221656	20.548	ug/l	100
86) p-Isopropyltoluene	13.298	119	184448	22.115	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	87940	21.637	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	87853	22.624	ug/l	99
89) n-Butylbenzene	13.621	91	171542	21.478	ug/l	99
90) Hexachloroethane	13.883	117	34288	21.300	ug/l	94
91) 1,2-Dichlorobenzene	13.663	146	75430	22.275	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5026	19.754	ug/l	95
93) 1,2,4-Trichlorobenzene	14.931	180	43522	21.257	ug/l	99
94) Hexachlorobutadiene	15.029	225	27642	22.118	ug/l	99
95) Naphthalene	15.151	128	72288	20.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	36036	20.585	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

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

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

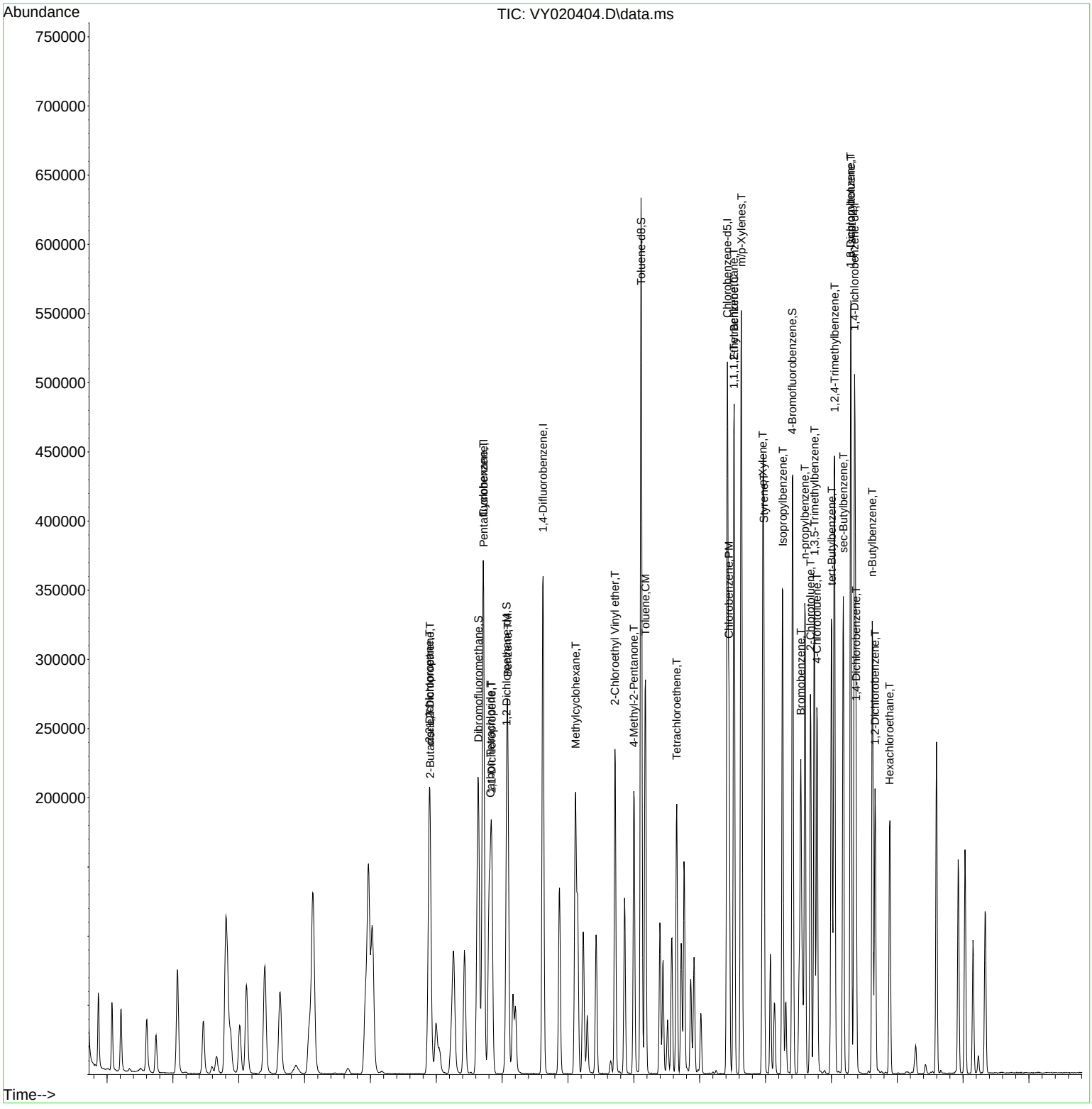
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/25/2024
Supervised By :Semsettin Yesilyurt 11/25/2024



Raw Data: **VN084982.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBSD02	SDG No.:	P4892
Lab Sample ID:	VN1120WBSD02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084982.D	1		11/20/24 20:34	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		0.21	1.00	ug/L
74-87-3	Chloromethane	16.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.34	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.2		0.18	1.00	ug/L
67-66-3	Chloroform	19.4		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.19	1.00	ug/L
71-43-2	Benzene	17.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	18.5		0.18	1.00	ug/L

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBSD02	SDG No.:	P4892
Lab Sample ID:	VN1120WBSD02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084982.D	1		11/20/24 20:34	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	16.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.8		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	36.6		0.31	2.00	ug/L
95-47-6	o-Xylene	19.1		0.14	1.00	ug/L
100-42-5	Styrene	17.9		0.16	1.00	ug/L
75-25-2	Bromoform	19.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	15.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.1		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	15.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	13.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	13.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	47.2		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	267000	9.1			
3114-55-4	Chlorobenzene-d5	232000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788			

Raw Data: **VN084982.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBSD02	SDG No.:	P4892
Lab Sample ID:	VN1120WBSD02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084982.D	1		11/20/24 20:34	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VN084982.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114230	51.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.440%			
35) Dibromofluoromethane	8.159	113	91248	50.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	10.565	98	313909	47.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.460%			
62) 4-Bromofluorobenzene	12.847	95	125548	50.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34562	19.662	ug/l	99
3) Chloromethane	2.359	50	37667	16.577	ug/l	98
4) Vinyl Chloride	2.512	62	35774	18.922	ug/l	91
5) Bromomethane	2.900	94	19214	19.181	ug/l	98
6) Chloroethane	3.077	64	22681	18.502	ug/l	94
7) Trichlorofluoromethane	3.471	101	60720	19.497	ug/l	94
8) Diethyl Ether	3.953	74	20654	18.800	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	32772	18.623	ug/l	95
10) Methyl Iodide	4.583	142	44856	19.072	ug/l	99
11) Tert butyl alcohol	5.536	59	30573	104.876	ug/l	99
12) 1,1-Dichloroethene	4.330	96	31189	17.911	ug/l	98
13) Acrolein	4.171	56	25199	86.687	ug/l	98
14) Allyl chloride	5.018	41	51587	18.268	ug/l	94
15) Acrylonitrile	5.718	53	85328	101.109	ug/l	99
16) Acetone	4.430	43	71297	110.164	ug/l	97
17) Carbon Disulfide	4.700	76	89124	16.620	ug/l	97
18) Methyl Acetate	5.018	43	49465	18.730	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	101746	19.064	ug/l	96
20) Methylene Chloride	5.259	84	36933	19.014	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	32924	18.414	ug/l	98
22) Diisopropyl ether	6.665	45	109832	19.574	ug/l	97
23) Vinyl Acetate	6.600	43	390172	100.831	ug/l	100
24) 1,1-Dichloroethane	6.565	63	64019	19.003	ug/l	99
25) 2-Butanone	7.482	43	111299	108.022	ug/l	98
26) 2,2-Dichloropropane	7.482	77	51408	17.533	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	38034	18.218	ug/l	98
28) Bromochloromethane	7.812	49	27051	20.155	ug/l	96
29) Tetrahydrofuran	7.835	42	70167	102.653	ug/l	94
30) Chloroform	7.959	83	66479	19.388	ug/l	99
31) Cyclohexane	8.253	56	54537	17.887	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	60845	19.496	ug/l	95
36) 1,1-Dichloropropene	8.365	75	43515	17.391	ug/l	98
37) Ethyl Acetate	7.559	43	45238	19.927	ug/l	99
38) Carbon Tetrachloride	8.359	117	54439	19.465	ug/l	93
39) Methylcyclohexane	9.600	83	44992	17.675	ug/l	98
40) Benzene	8.600	78	143811	17.896	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25063	20.529 ug/l	99
42) 1,2-Dichloroethane	8.665	62	49509	19.024 ug/l	100
43) Isopropyl Acetate	8.694	43	171473	40.705 ug/l #	78
44) Trichloroethene	9.353	130	32132	17.338 ug/l	95
45) 1,2-Dichloropropane	9.618	63	34804	18.463 ug/l	99
46) Dibromomethane	9.706	93	24056	18.085 ug/l	95
47) Bromodichloromethane	9.888	83	51390	18.328 ug/l #	98
48) Methyl methacrylate	9.676	41	34485	19.518 ug/l	96
49) 1,4-Dioxane	9.700	88	12762	407.603 ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	231343	106.895 ug/l	100
52) Toluene	10.629	92	87002	18.512 ug/l	97
53) t-1,3-Dichloropropene	10.835	75	48918	16.855 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	54329	17.687 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	33918	19.159 ug/l	97
56) Ethyl methacrylate	10.871	69	50083	19.558 ug/l	97
57) 1,3-Dichloropropane	11.159	76	56421	18.570 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	111870	93.362 ug/l	99
59) 2-Hexanone	11.194	43	167822	106.534 ug/l	99
60) Dibromochloromethane	11.359	129	38433	19.049 ug/l	100
61) 1,2-Dibromoethane	11.465	107	32704	18.040 ug/l	99
64) Tetrachloroethene	11.100	164	27789	18.020 ug/l	96
65) Chlorobenzene	11.888	112	92090	17.755 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33837	18.756 ug/l	98
67) Ethyl Benzene	11.965	91	156291	18.052 ug/l	98
68) m/p-Xylenes	12.070	106	120037	36.622 ug/l	100
69) o-Xylene	12.400	106	58460	19.066 ug/l	99
70) Styrene	12.412	104	95549	17.863 ug/l	99
71) Bromoform	12.582	173	25788	18.996 ug/l #	98
73) Isopropylbenzene	12.694	105	144330	17.209 ug/l	99
74) N-amyl acetate	12.494	43	65496	18.348 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	49697	17.753 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	42840m	17.907 ug/l	
77) Bromobenzene	12.982	156	36601	16.234 ug/l	96
78) n-propylbenzene	13.035	91	168306	17.125 ug/l	99
79) 2-Chlorotoluene	13.123	91	110671	17.234 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	122387	17.607 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	16717	16.578 ug/l	97
82) 4-Chlorotoluene	13.223	91	109045	16.135 ug/l	99
83) tert-Butylbenzene	13.441	119	105393	18.320 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	126386	17.617 ug/l	98
85) sec-Butylbenzene	13.617	105	136668	16.818 ug/l	100
86) p-Isopropyltoluene	13.729	119	115130	17.275 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	66030	15.007 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	67804	16.062 ug/l	99
89) n-Butylbenzene	14.053	91	90392	14.499 ug/l	97
90) Hexachloroethane	14.335	117	23701	15.947 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	66831	15.806 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9980	17.598 ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	30101	13.007 ug/l	99
94) Hexachlorobutadiene	15.506	225	14187	13.959 ug/l	98
95) Naphthalene	15.641	128	95370	13.768 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	29583	13.168 ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

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

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

Sample Results: **VN084982.D**

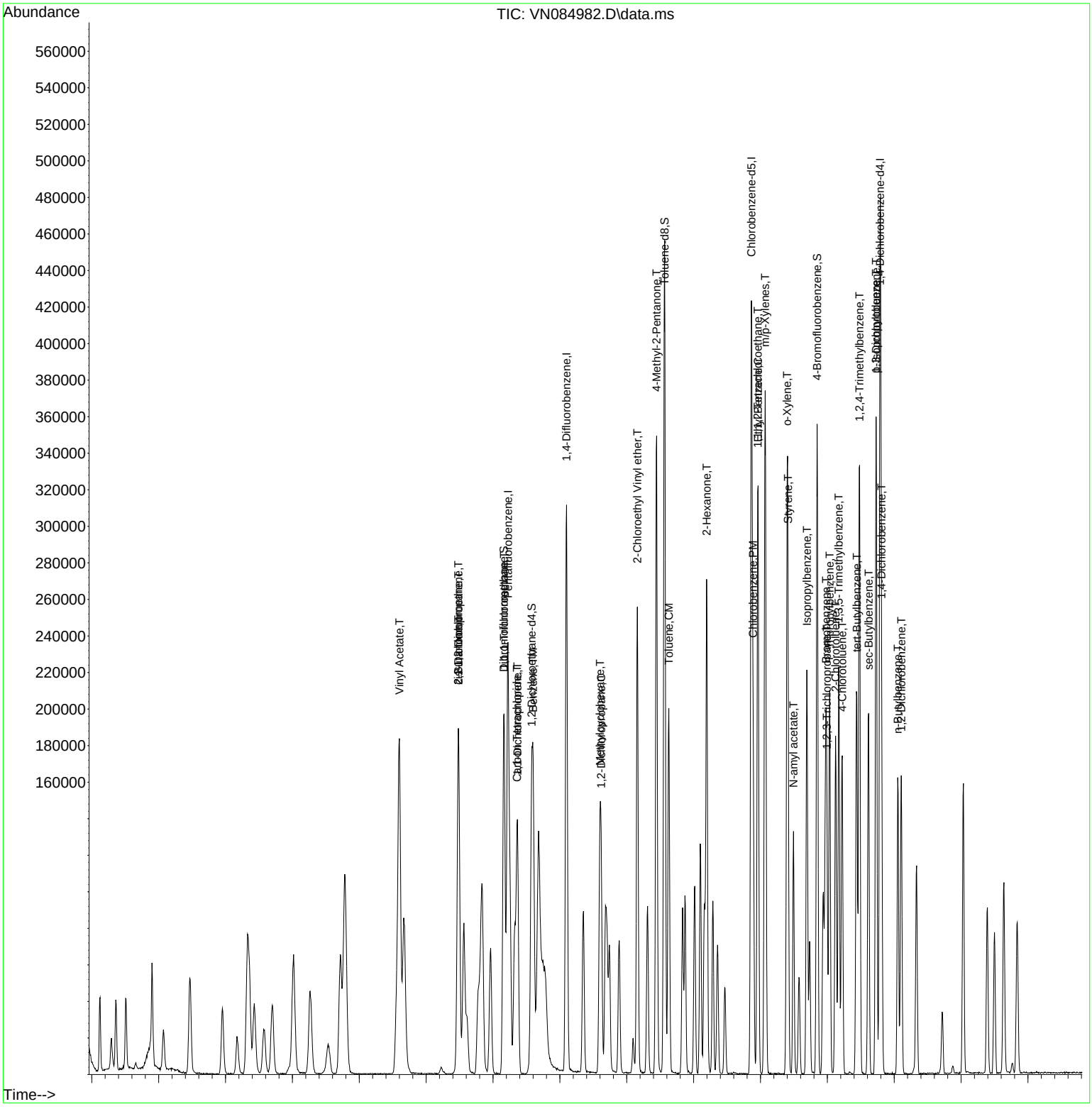
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Raw Data: **VY020376.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBSD01	SDG No.:	P4892
Lab Sample ID:	VY1121SBSD01	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
VY020376.D	1		11/21/24 11:02	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.9		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	16.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		0.78	5.00	ug/Kg
67-64-1	Acetone	95.5		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.5		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	23.2		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.8		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.4		0.87	5.00	ug/Kg
71-43-2	Benzene	21.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.8		0.67	5.00	ug/Kg

Raw Data: **VY020376.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBSD01	SDG No.:	P4892
Lab Sample ID:	VY1121SBSD01	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
VY020376.D	1		11/21/24 11:02	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.0		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.5		0.70	5.00	ug/Kg
100-42-5	Styrene	22.1		0.60	5.00	ug/Kg
75-25-2	Bromoform	22.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		70 (50) - 130 (163)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (54) - 130 (147)	106%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (58) - 130 (134)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		70 (29) - 130 (146)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	7.713			
540-36-3	1,4-Difluorobenzene	281000	8.615			
3114-55-4	Chlorobenzene-d5	238000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.352			

Raw Data: **VY020376.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBSD01	SDG No.:	P4892
Lab Sample ID:	VY1121SBSD01	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
VY020376.D	1		11/21/24 11:02	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VY020376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	168644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	280583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	238249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109149	56.334	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.660%			
35) Dibromofluoromethane	7.640	113	95451	53.053	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.100%			
50) Toluene-d8	10.109	98	374478	52.838	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.680%			
62) 4-Bromofluorobenzene	12.407	95	125801	55.216	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 110.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38936	23.786	ug/l	99
3) Chloromethane	2.074	50	38975	14.941	ug/l	99
4) Vinyl Chloride	2.208	62	37620	16.752	ug/l	95
5) Bromomethane	2.598	94	21438	19.114	ug/l	91
6) Chloroethane	2.739	64	23307	17.791	ug/l	97
7) Trichlorofluoromethane	3.068	101	65889	21.113	ug/l	99
8) Diethyl Ether	3.458	74	20464	20.783	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	35996	19.368	ug/l	97
10) Methyl Iodide	4.007	142	47884	19.235	ug/l	91
11) Tert butyl alcohol	4.872	59	14135	93.578	ug/l	98
12) 1,1-Dichloroethene	3.793	96	36398	19.785	ug/l	98
13) Acrolein	3.659	56	16878	140.680	ug/l	97
14) Allyl chloride	4.385	41	68872	19.360	ug/l	95
15) Acrylonitrile	5.067	53	43291	99.459	ug/l	97
16) Acetone	3.872	43	44344	95.470	ug/l	100
17) Carbon Disulfide	4.110	76	117350	18.934	ug/l	99
18) Methyl Acetate	4.391	43	20544	18.975	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	100468	21.023	ug/l	99
20) Methylene Chloride	4.622	84	40132	20.403	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	39892	19.523	ug/l	86
22) Diisopropyl ether	6.024	45	141471	20.179	ug/l	98
23) Vinyl Acetate	5.964	43	393377	100.406	ug/l	99
24) 1,1-Dichloroethane	5.921	63	78372	19.802	ug/l	99
25) 2-Butanone	6.902	43	63648	106.440	ug/l	97
26) 2,2-Dichloropropane	6.890	77	69713	21.311	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	46613	20.712	ug/l	97
28) Bromochloromethane	7.250	49	29738	17.853	ug/l	99
29) Tetrahydrofuran	7.268	42	37235	104.185	ug/l	99
30) Chloroform	7.427	83	79341	20.760	ug/l	98
31) Cyclohexane	7.707	56	70124	19.415	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	73140	21.795	ug/l	99
36) 1,1-Dichloropropene	7.835	75	57487	20.920	ug/l	99
37) Ethyl Acetate	6.988	43	26683	21.196	ug/l	99
38) Carbon Tetrachloride	7.817	117	66429	23.153	ug/l	92
39) Methylcyclohexane	9.109	83	70241	20.424	ug/l	97
40) Benzene	8.085	78	176015	21.857	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	14488	20.227	ug/l		96
42) 1,2-Dichloroethane	8.158	62	50126	23.060	ug/l		99
43) Isopropyl Acetate	8.201	43	53927	22.028	ug/l	#	86
44) Trichloroethene	8.865	130	40165	21.050	ug/l		96
45) 1,2-Dichloropropane	9.146	63	40575	21.118	ug/l		98
46) Dibromomethane	9.231	93	21203	21.530	ug/l		99
47) Bromodichloromethane	9.420	83	58718	21.599	ug/l		97
48) Methyl methacrylate	9.225	41	25163	21.499	ug/l		96
49) 1,4-Dioxane	9.231	88	4576	451.656	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	134437	108.211	ug/l		98
52) Toluene	10.170	92	107310	21.801	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	54196	21.082	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	64670	21.975	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	26999	20.654	ug/l		98
56) Ethyl methacrylate	10.438	69	40228	20.492	ug/l		97
57) 1,3-Dichloropropane	10.719	76	51078	21.742	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	93264	100.191	ug/l		99
59) 2-Hexanone	10.761	43	95820	108.921	ug/l		99
60) Dibromochloromethane	10.914	129	37704	22.377	ug/l		100
61) 1,2-Dibromoethane	11.018	107	25357	20.933	ug/l		99
64) Tetrachloroethene	10.646	164	35871	20.887	ug/l		93
65) Chlorobenzene	11.444	112	111103	20.915	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	37985	21.405	ug/l		98
67) Ethyl Benzene	11.517	91	207216	21.144	ug/l		99
68) m/p-Xylenes	11.627	106	151238	42.844	ug/l		97
69) o-Xylene	11.956	106	71860	21.463	ug/l		97
70) Styrene	11.969	104	122933	22.099	ug/l		99
71) Bromoform	12.133	173	20516	22.183	ug/l	#	99
73) Isopropylbenzene	12.255	105	194695	20.421	ug/l		100
74) N-amyl acetate	12.072	43	47073	20.430	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	30417	19.740	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	20234m	19.074	ug/l		
77) Bromobenzene	12.536	156	41494	20.772	ug/l		98
78) n-propylbenzene	12.596	91	234844	20.524	ug/l		100
79) 2-Chlorotoluene	12.682	91	133978	20.364	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	159056	20.642	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	11345	20.956	ug/l		96
82) 4-Chlorotoluene	12.779	91	137917	20.312	ug/l		98
83) tert-Butylbenzene	12.999	119	139104	20.457	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	157416	20.606	ug/l		100
85) sec-Butylbenzene	13.176	105	205536	19.173	ug/l		99
86) p-Isopropyltoluene	13.291	119	168630	20.345	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	80241	19.867	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	78947	20.458	ug/l		98
89) n-Butylbenzene	13.621	91	157920	19.896	ug/l		99
90) Hexachloroethane	13.883	117	31925	19.956	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	69870	20.763	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5113	20.221	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	40599	19.953	ug/l		99
94) Hexachlorobutadiene	15.029	225	25677	20.674	ug/l		98
95) Naphthalene	15.151	128	71167	20.309	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	33813	19.436	ug/l		97

Sample Results: **VY020376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

Sample Results: **VY020376.D**

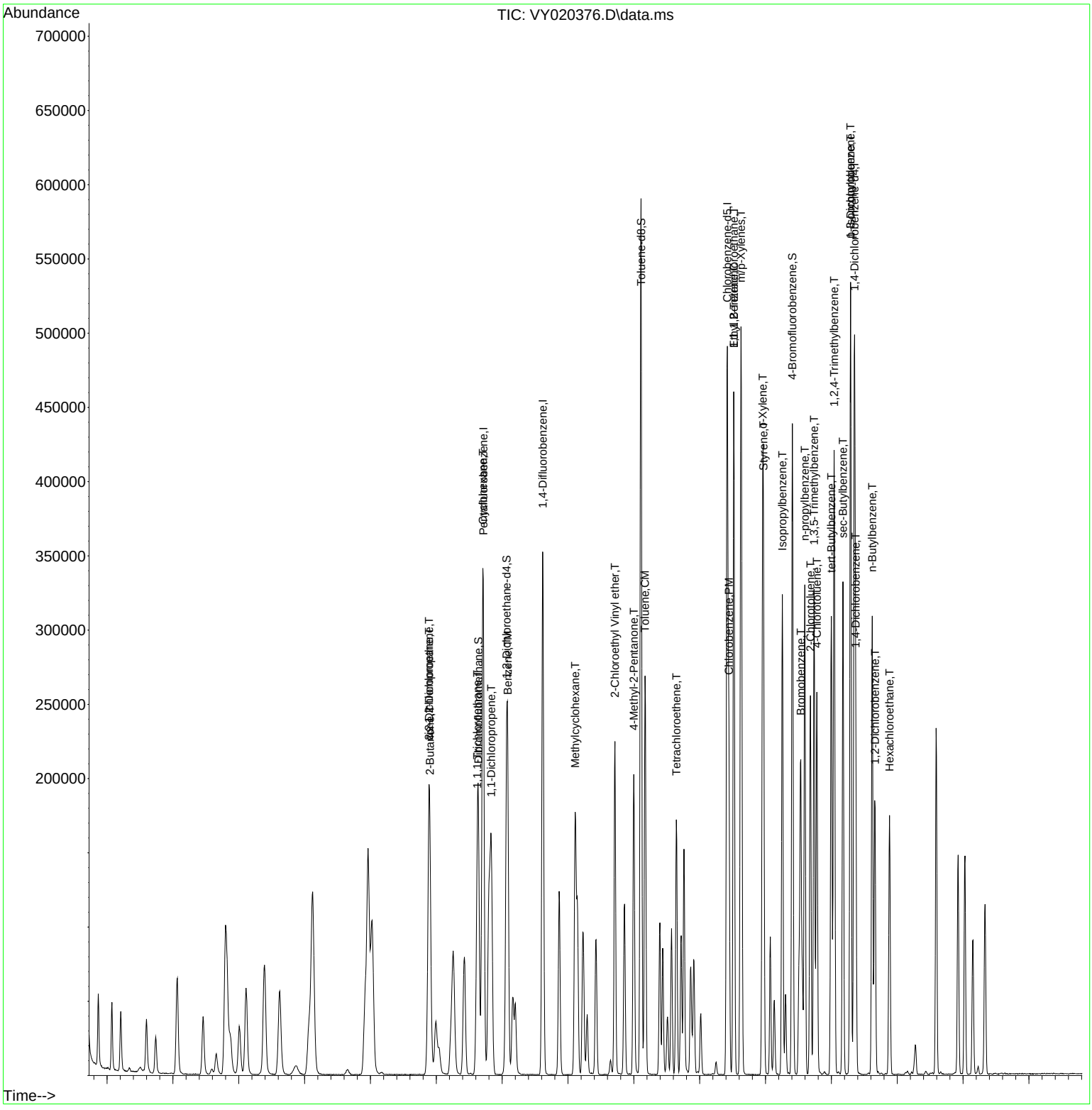
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VN112024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084960.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:26 AM	MMDadoda	11/21/2024 6:45:22 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	trans-1,4-Dichloro-2-but ene	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VN1120WBSD0 2	VN084982.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:52 AM	MMDadoda	11/21/2024 6:46:11 AM	Peak Integrated by Software
VSTDCCC050	VN084985.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:54 AM	MMDadoda	11/21/2024 6:46:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY111924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020338.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:52 AM	SAM	11/25/2024 5:45:24 AM	Peak Integrated by Software
VSTDICC005	VY020338.D	Tert butyl alcohol	Romaben	11/20/2024 9:16:52 AM	SAM	11/25/2024 5:45:24 AM	Peak Integrated by Software
VSTDICC010	VY020339.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:57 AM	MMDadoda	11/20/2024 1:00:48 PM	Peak Integrated by Software
VSTDICC020	VY020340.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:07 AM	MMDadoda	11/20/2024 1:00:52 PM	Peak Integrated by Software
VSTDICCC050	VY020341.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:18:09 AM	MMDadoda	11/20/2024 1:00:53 PM	Peak Integrated by Software
VSTDICC100	VY020342.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:14 AM	MMDadoda	11/20/2024 1:00:55 PM	Peak Integrated by Software
VSTDICC150	VY020343.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:19 AM	MMDadoda	11/20/2024 1:00:56 PM	Peak Integrated by Software
VSTDICV050	VY020345.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:24 AM	SAM	11/25/2024 5:45:26 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY112124	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020373.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:06:56 AM	MMDadoda	11/22/2024 3:31:17 PM	Peak Integrated by Software
VY1121SBS01	VY020375.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:07:00 AM	MMDadoda	11/22/2024 3:31:16 PM	Peak Integrated by Software
VY1121SBSD01	VY020376.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:07:03 AM	MMDadoda	11/22/2024 3:31:18 PM	Peak Integrated by Software
VSTDCCC050	VY020399.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:11:47 AM	MMDadoda	11/22/2024 3:31:21 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY112224	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020401.D	1,2,3-Trichloropropane	MMDadoda	11/25/2024 2:01:34 PM	SAM	11/25/2024 2:05:36 PM	Peak Integrated by Software
VY1122SBS02	VY020404.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 3:33:33 AM	SAM	11/26/2024 3:34:04 AM	Peak Integrated by Software
VSTDCCC050	VY020421.D	1,2,3-Trichloropropane	MMDadoda	11/25/2024 2:01:43 PM	SAM	11/25/2024 2:05:43 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N		HP Processing Method	82n103024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084959.D	20 Nov 2024 09:51	JC\MD	Ok
2	VSTDCCC050	VN084960.D	20 Nov 2024 11:18	JC\MD	Ok,M
3	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	JC\MD	Not Ok
4	VN1120WBL01	VN084962.D	20 Nov 2024 12:21	JC\MD	Ok
5	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	JC\MD	Not Ok
6	VN1120WBS02	VN084964.D	20 Nov 2024 13:20	JC\MD	Ok,M
7	P4864-01	VN084965.D	20 Nov 2024 13:44	JC\MD	Ok
8	PB165108TB	VN084966.D	20 Nov 2024 14:08	JC\MD	Ok
9	PB165122TB	VN084967.D	20 Nov 2024 14:33	JC\MD	Ok
10	P4770-01	VN084968.D	20 Nov 2024 14:57	JC\MD	Not Ok
11	P4845-12	VN084969.D	20 Nov 2024 15:21	JC\MD	Ok
12	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	JC\MD	Not Ok
13	P4893-04	VN084971.D	20 Nov 2024 16:09	JC\MD	Ok
14	P4893-08	VN084972.D	20 Nov 2024 16:34	JC\MD	Ok
15	P4910-04	VN084973.D	20 Nov 2024 16:58	JC\MD	Ok,M
16	P4910-08	VN084974.D	20 Nov 2024 17:22	JC\MD	Ok,M
17	P4916-04	VN084975.D	20 Nov 2024 17:46	JC\MD	Ok,M
18	P4916-08	VN084976.D	20 Nov 2024 18:10	JC\MD	Ok,M
19	P4916-12	VN084977.D	20 Nov 2024 18:34	JC\MD	Ok,M
20	P4924-04	VN084978.D	20 Nov 2024 18:58	JC\MD	Ok,M
21	P4925-04	VN084979.D	20 Nov 2024 19:22	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4925-08	VN084980.D	20 Nov 2024 19:46	JC\MD	Ok,M
23	P4921-01	VN084981.D	20 Nov 2024 20:10	JC\MD	Not Ok
24	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34	JC\MD	Ok,M
25	P4770-01	VN084983.D	20 Nov 2024 20:58	JC\MD	Ok
26	P4892-04	VN084984.D	20 Nov 2024 21:22	JC\MD	Ok
27	VSTDCCC050	VN084985.D	20 Nov 2024 21:46	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111924

Review By	Mahesh Dadoda	Review On	11/20/2024 1:01:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM		
SubDirectory	VY111924	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131638
Initial Calibration Stds	VP131639,VP131640,VP131641,VP131642,VP131643,VP131644
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP131645
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020337.D	19 Nov 2024 14:40	SY/MD	Ok
2	VSTDICC005	VY020338.D	19 Nov 2024 15:49	SY/MD	Ok,M
3	VSTDICC010	VY020339.D	19 Nov 2024 16:12	SY/MD	Ok,M
4	VSTDICC020	VY020340.D	19 Nov 2024 16:35	SY/MD	Ok,M
5	VSTDICCC050	VY020341.D	19 Nov 2024 16:57	SY/MD	Ok,M
6	VSTDICC100	VY020342.D	19 Nov 2024 17:20	SY/MD	Ok,M
7	VSTDICC150	VY020343.D	19 Nov 2024 17:42	SY/MD	Ok,M
8	VIBLK	VY020344.D	19 Nov 2024 18:06	SY/MD	Ok
9	VSTDICV050	VY020345.D	19 Nov 2024 18:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020372.D	21 Nov 2024 08:32	SY/MD	Ok
2	VSTDCCC050	VY020373.D	21 Nov 2024 09:25	SY/MD	Ok,M
3	VY1121SBL01	VY020374.D	21 Nov 2024 09:59	SY/MD	Ok
4	VY1121SBS01	VY020375.D	21 Nov 2024 10:39	SY/MD	Ok,M
5	VY1121SBSD01	VY020376.D	21 Nov 2024 11:02	SY/MD	Ok,M
6	P4852-01	VY020377.D	21 Nov 2024 11:25	SY/MD	Ok
7	P4852-02RE	VY020378.D	21 Nov 2024 11:49	SY/MD	Confirms
8	P4852-03	VY020379.D	21 Nov 2024 12:12	SY/MD	Ok
9	P4908-03	VY020380.D	21 Nov 2024 12:36	SY/MD	Ok
10	P4909-02	VY020381.D	21 Nov 2024 12:59	SY/MD	Ok
11	P4929-01RE	VY020382.D	21 Nov 2024 13:23	SY/MD	Confirms
12	P4910-07	VY020383.D	21 Nov 2024 13:46	SY/MD	Ok
13	P4910-03	VY020384.D	21 Nov 2024 14:09	SY/MD	Ok
14	P4870-03	VY020385.D	21 Nov 2024 14:33	SY/MD	Ok
15	P4870-06	VY020386.D	21 Nov 2024 14:56	SY/MD	Ok
16	P4870-12	VY020387.D	21 Nov 2024 15:20	SY/MD	Ok
17	P4892-02	VY020388.D	21 Nov 2024 15:43	SY/MD	ReRun
18	P4860-10	VY020389.D	21 Nov 2024 16:06	SY/MD	Ok
19	P4860-09	VY020390.D	21 Nov 2024 16:30	SY/MD	Ok
20	P4925-03	VY020391.D	21 Nov 2024 16:53	SY/MD	Ok
21	P4893-03	VY020392.D	21 Nov 2024 17:17	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4893-07	VY020393.D	21 Nov 2024 17:40	SY/MD	Ok
23	P4925-07	VY020394.D	21 Nov 2024 18:04	SY/MD	Ok
24	P4892-01	VY020395.D	21 Nov 2024 18:27	SY/MD	Ok
25	P4938-07	VY020396.D	21 Nov 2024 18:50	SY/MD	Ok
26	P4938-03	VY020397.D	21 Nov 2024 19:14	SY/MD	Ok
27	P4936-01	VY020398.D	21 Nov 2024 19:37	SY/MD	ReRun
28	VSTDCCC050	VY020399.D	21 Nov 2024 20:00	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM	
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM	
SubDirectory	VY112224	HP Acquire Method		HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020400.D	22 Nov 2024 08:56	SY/MD	Ok
2	VSTDCCC050	VY020401.D	22 Nov 2024 09:40	SY/MD	Ok,M
3	VY1122SBL01	VY020402.D	22 Nov 2024 10:15	SY/MD	Ok
4	VY1122SBS01	VY020403.D	22 Nov 2024 10:42	SY/MD	Not Ok
5	VY1122SBS02	VY020404.D	22 Nov 2024 11:04	SY/MD	Ok,M
6	P4936-01RE	VY020405.D	22 Nov 2024 11:38	SY/MD	Confirms
7	P4892-02	VY020406.D	22 Nov 2024 12:01	SY/MD	Ok
8	P4954-03	VY020407.D	22 Nov 2024 12:53	SY/MD	ReRun
9	P4948-03	VY020408.D	22 Nov 2024 13:16	SY/MD	ReRun
10	P4948-01	VY020409.D	22 Nov 2024 13:39	SY/MD	Ok
11	P4951-02	VY020410.D	22 Nov 2024 14:03	SY/MD	ReRun
12	P4954-01	VY020411.D	22 Nov 2024 14:26	SY/MD	ReRun
13	P4946-02	VY020412.D	22 Nov 2024 14:50	SY/MD	ReRun
14	P4946-01	VY020413.D	22 Nov 2024 15:13	SY/MD	Ok
15	P4960-01	VY020414.D	22 Nov 2024 15:36	SY/MD	Ok
16	P4960-02	VY020415.D	22 Nov 2024 16:00	SY/MD	Ok
17	P4960-03	VY020416.D	22 Nov 2024 16:23	SY/MD	Not Ok
18	P4960-04	VY020417.D	22 Nov 2024 16:47	SY/MD	Not Ok
19	P4960-05	VY020418.D	22 Nov 2024 17:10	SY/MD	Not Ok
20	P4960-06	VY020419.D	22 Nov 2024 17:33	SY/MD	Not Ok
21	VIBLK	VY020420.D	22 Nov 2024 17:57	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM	
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM	
SubDirectory	VY112224	HP Acquire Method		HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY020421.D	22 Nov 2024 18:20	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084959.D	20 Nov 2024 09:51		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084960.D	20 Nov 2024 11:18		JC\MD	Ok,M
3	VN1120MBL01	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	not needed	JC\MD	Not Ok
4	VN1120WBL01	VN1120WBL01	VN084962.D	20 Nov 2024 12:21		JC\MD	Ok
5	VN1120WBS01	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	recovery low	JC\MD	Not Ok
6	VN1120WBS02	VN1120WBS02	VN084964.D	20 Nov 2024 13:20		JC\MD	Ok,M
7	P4864-01	MONTCLAIR-TOTE-2	VN084965.D	20 Nov 2024 13:44	vial A pH<2	JC\MD	Ok
8	PB165108TB	PB165108TB	VN084966.D	20 Nov 2024 14:08		JC\MD	Ok
9	PB165122TB	PB165122TB	VN084967.D	20 Nov 2024 14:33		JC\MD	Ok
10	P4770-01	MW-1	VN084968.D	20 Nov 2024 14:57	Not Required	JC\MD	Not Ok
11	P4845-12	FSND-MW-31-2024111	VN084969.D	20 Nov 2024 15:21	vial B pH<2	JC\MD	Ok
12	VN1120WBSD02	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	Recovery fail	JC\MD	Not Ok
13	P4893-04	MH-763	VN084971.D	20 Nov 2024 16:09	vial A pH#5.0	JC\MD	Ok
14	P4893-08	MH-762	VN084972.D	20 Nov 2024 16:34	vial A pH#5.0	JC\MD	Ok
15	P4910-04	MH-COTTAGE	VN084973.D	20 Nov 2024 16:58	vial A pH#5.0	JC\MD	Ok,M
16	P4910-08	MH-759	VN084974.D	20 Nov 2024 17:22	vial A pH#5.0	JC\MD	Ok,M
17	P4916-04	TP-1-WC	VN084975.D	20 Nov 2024 17:46	vial A pH#5.0	JC\MD	Ok,M
18	P4916-08	TP-2-WC	VN084976.D	20 Nov 2024 18:10	vial A pH#5.0	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4916-12	TP-3-WC	VN084977.D	20 Nov 2024 18:34	vial A pH#5.0	JC\MD	Ok,M
20	P4924-04	MH-4	VN084978.D	20 Nov 2024 18:58	vial A pH#5.0	JC\MD	Ok,M
21	P4925-04	MH-741	VN084979.D	20 Nov 2024 19:22	vial A pH#5.0	JC\MD	Ok,M
22	P4925-08	MH-741	VN084980.D	20 Nov 2024 19:46	vial A pH#5.0	JC\MD	Ok,M
23	P4921-01	WC-11-A-202411	VN084981.D	20 Nov 2024 20:10	vial A pH#5.0 need straight run	JC\MD	Not Ok
24	VN1120WBSD02	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34		JC\MD	Ok,M
25	P4770-01	MW-1	VN084983.D	20 Nov 2024 20:58	vial B pH<2	JC\MD	Ok
26	P4892-04	WB-310-SW	VN084984.D	20 Nov 2024 21:22	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084985.D	20 Nov 2024 21:46		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111924

Review By	Mahesh Dadoda	Review On	11/20/2024 1:01:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM		
SubDirectory	VY111924	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131638
Initial Calibration Stds	VP131639,VP131640,VP131641,VP131642,VP131643,VP131644
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP131645
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020337.D	19 Nov 2024 14:40		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020338.D	19 Nov 2024 15:49		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020339.D	19 Nov 2024 16:12		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020340.D	19 Nov 2024 16:35		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020341.D	19 Nov 2024 16:57	Comp.#3 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020342.D	19 Nov 2024 17:20	Comp.#11 is on Quadratic Regression	SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020343.D	19 Nov 2024 17:42		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020344.D	19 Nov 2024 18:06		SY/MD	Ok
9	VSTDICV050	ICVVY111924	VY020345.D	19 Nov 2024 18:52		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020372.D	21 Nov 2024 08:32		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020373.D	21 Nov 2024 09:25		SY/MD	Ok,M
3	VY1121SBL01	VY1121SBL01	VY020374.D	21 Nov 2024 09:59		SY/MD	Ok
4	VY1121SBS01	VY1121SBS01	VY020375.D	21 Nov 2024 10:39		SY/MD	Ok,M
5	VY1121SBSD01	VY1121SBSD01	VY020376.D	21 Nov 2024 11:02		SY/MD	Ok,M
6	P4852-01	COMP-1	VY020377.D	21 Nov 2024 11:25	vial-B	SY/MD	Ok
7	P4852-02RE	COMP-2RE	VY020378.D	21 Nov 2024 11:49	ISTD Fail vial-B	SY/MD	Confirms
8	P4852-03	COMP-3	VY020379.D	21 Nov 2024 12:12	vial-B	SY/MD	Ok
9	P4908-03	SP-2	VY020380.D	21 Nov 2024 12:36	Vial-B	SY/MD	Ok
10	P4909-02	BU-02-111824	VY020381.D	21 Nov 2024 12:59	Vial-B	SY/MD	Ok
11	P4929-01RE	ARS520RE	VY020382.D	21 Nov 2024 13:23	Internal Standard Fail vial-B	SY/MD	Confirms
12	P4910-07	MH-759-VOC	VY020383.D	21 Nov 2024 13:46	vial-B	SY/MD	Ok
13	P4910-03	MH-COTTAGE-VOC	VY020384.D	21 Nov 2024 14:09	vial-B	SY/MD	Ok
14	P4870-03	TP-1-VOC	VY020385.D	21 Nov 2024 14:33	vial-B	SY/MD	Ok
15	P4870-06	MH-735-VOC	VY020386.D	21 Nov 2024 14:56	vial-B	SY/MD	Ok
16	P4870-12	TP-15-VOC	VY020387.D	21 Nov 2024 15:20	vial-B	SY/MD	Ok
17	P4892-02	WB-310-BOT	VY020388.D	21 Nov 2024 15:43	Internal Standard Fail vial-A	SY/MD	ReRun
18	P4860-10	PH2-BOT-005	VY020389.D	21 Nov 2024 16:06	vial-A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4860-09	PH2-BOT-006	VY020390.D	21 Nov 2024 16:30	vial-A	SY/MD	Ok
20	P4925-03	MH-741-VOC	VY020391.D	21 Nov 2024 16:53	vial-A	SY/MD	Ok
21	P4893-03	MH-763-VOC	VY020392.D	21 Nov 2024 17:17	vial-A	SY/MD	Ok
22	P4893-07	MH-762-VOC	VY020393.D	21 Nov 2024 17:40	vial-A	SY/MD	Ok
23	P4925-07	MH-758-VOC	VY020394.D	21 Nov 2024 18:04	vial-A	SY/MD	Ok
24	P4892-01	WB-310-TOP	VY020395.D	21 Nov 2024 18:27	vial-A	SY/MD	Ok
25	P4938-07	MH-734-VOC	VY020396.D	21 Nov 2024 18:50	vial-A	SY/MD	Ok
26	P4938-03	MH-732-VOC	VY020397.D	21 Nov 2024 19:14	vial-A	SY/MD	Ok
27	P4936-01	PL-01-11202024	VY020398.D	21 Nov 2024 19:37	Internal Standard Fail vial-A	SY/MD	ReRun
28	VSTDCCC050	VSTDCCC050EC	VY020399.D	21 Nov 2024 20:00		SY/MD	Ok,M

M : Manual Integration

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

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM
SubDirectory	VY112224	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020400.D	22 Nov 2024 08:56		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020401.D	22 Nov 2024 09:40		SY/MD	Ok,M
3	VY1122SBL01	VY1122SBL01	VY020402.D	22 Nov 2024 10:15		SY/MD	Ok
4	VY1122SBS01	VY1122SBS01	VY020403.D	22 Nov 2024 10:42	BS failed low	SY/MD	Not Ok
5	VY1122SBS02	VY1122SBS02	VY020404.D	22 Nov 2024 11:04		SY/MD	Ok,M
6	P4936-01RE	PL-01-11202024RE	VY020405.D	22 Nov 2024 11:38	vial-B ISTD Fail	SY/MD	Confirms
7	P4892-02	WB-310-BOT	VY020406.D	22 Nov 2024 12:01	vial-B BS failed low for comp. #3,28	SY/MD	Ok
8	P4954-03	TR-06-112124	VY020407.D	22 Nov 2024 12:53	vial-A BS failed low for comp. #3,28; Internal Standard Fail	SY/MD	ReRun
9	P4948-03	72-11944	VY020408.D	22 Nov 2024 13:16	vial-A	SY/MD	ReRun
10	P4948-01	337	VY020409.D	22 Nov 2024 13:39	vial-A	SY/MD	Ok
11	P4951-02	AU-05-112124	VY020410.D	22 Nov 2024 14:03	vial-A BS failed low for comp. #3,28; Internal Standard Fail	SY/MD	ReRun
12	P4954-01	TR-05-112124	VY020411.D	22 Nov 2024 14:26	vial-A BS failed low for comp. #3,28; Internal Standard Fail	SY/MD	ReRun
13	P4946-02	BW-2	VY020412.D	22 Nov 2024 14:50	vial-A Internal Standard Fail	SY/MD	ReRun
14	P4946-01	BW-1	VY020413.D	22 Nov 2024 15:13	vial-A	SY/MD	Ok
15	P4960-01	B1	VY020414.D	22 Nov 2024 15:36	vial-A	SY/MD	Ok
16	P4960-02	B2	VY020415.D	22 Nov 2024 16:00	vial-A	SY/MD	Ok
17	P4960-03	SW1	VY020416.D	22 Nov 2024 16:23	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM
SubDirectory	VY112224	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4960-04	SW2	VY020417.D	22 Nov 2024 16:47	vial-A NOT PURGE	SY/MD	Not Ok
19	P4960-05	SW3	VY020418.D	22 Nov 2024 17:10	vial-A NOT PURGE	SY/MD	Not Ok
20	P4960-06	SW4	VY020419.D	22 Nov 2024 17:33	vial-A NOT PURGE	SY/MD	Not Ok
21	VIBLK	VIBLK	VY020420.D	22 Nov 2024 17:57		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY020421.D	22 Nov 2024 18:20		SY/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133489

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
P4817-01	BHK70	1	1.15	8.80	9.95	9.07	90.0	
P4817-02	BHK71	2	1.14	8.42	9.56	8.62	88.8	
P4817-03	BHK71MS	3	1.14	8.42	9.56	8.62	88.8	
P4817-04	BHK71MSD	4	1.14	8.42	9.56	8.62	88.8	
P4888-01	01A-01B-01C	5	1.00	1.00	2.00	2.00	100.0	caluk
P4888-02	02A-02B-02C	6	1.00	1.00	2.00	2.00	100.0	caluk
P4890-06	D3721	7	1.00	1.00	2.00	2.00	100.0	debris
P4892-01	WB-310-TOP	8	1.16	8.74	9.9	6.39	59.8	
P4892-02	WB-310-BOT	9	1.15	8.70	9.85	8.64	86.1	
P4893-01	MH-763	10	1.18	8.44	9.62	8.52	87.0	
P4893-02	MH-763-EPH	11	1.14	8.78	9.92	8.81	87.4	
P4893-03	MH-763-VOC	12	1.14	8.83	9.97	8.92	88.1	
P4893-05	MH-762	13	1.16	8.47	9.63	8.68	88.8	
P4893-06	MH-762-EPH	14	1.19	8.65	9.84	8.72	87.1	
P4893-07	MH-762-VOC	15	1.13	8.50	9.63	8.39	85.4	
P4894-01	FES-SB401-1921	16	1.16	8.58	9.74	8.92	90.4	
P4894-02	FES-SB401-6062	17	1.18	8.77	9.95	7.77	75.1	
P4894-03	FES-DUP02-20241114	18	1.15	8.66	9.81	9.17	92.6	
P4908-01	SP-1	19	1.16	8.50	9.66	8.9	91.1	
P4908-02	SP-1-E2	20	1.17	8.54	9.71	8.9	90.5	
P4908-03	SP-2	21	1.16	8.76	9.92	9.22	92.0	
P4908-04	SP-2-E2	22	1.16	8.45	9.61	8.9	91.6	
P4909-01	BU-02-111824	23	1.15	8.74	9.89	9.43	94.7	
P4909-02	BU-02-111824	24	1.16	8.72	9.88	9.09	90.9	
P4910-01	MH-COTTAGE	25	1.15	8.79	9.94	8.87	87.8	
P4910-02	MH-COTTAGE-EPH	26	1.19	8.41	9.6	8.44	86.2	
P4910-03	MH-COTTAGE-VOC	27	1.19	8.67	9.86	8.81	87.9	
P4910-05	MH-759	28	1.11	8.80	9.91	8.85	88.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/19/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 11/18/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/19/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133489

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
P4910-06	MH-759-EPH	29	1.15	8.82	9.97	9.09	90.0	
P4910-07	MH-759-VOC	30	1.15	8.40	9.55	8.57	88.3	

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

WORKLIST(Hardcopy Internal Chain)

VB133489

WorkList Name : %1-111824 **WorkList ID :** 185509 **Department :** Wet-Chemistry **Date :** 11-18-2024 08:23:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4817-01	BHK70	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-02	BHK71	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-03	BHK71MS	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4817-04	BHK71MSD	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4888-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/11/2024	Chemtech -SO
P4888-02	02A-02B-02C	Solid	Percent Solids	Cool 4 deg C	BSIG01	M11	11/14/2024	Chemtech -SO
P4890-06	D3721	Solid	Percent Solids	Cool 4 deg C	BSIG01	M11	11/14/2024	Chemtech -SO
P4892-01	WB-310-TOP	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4892-02	WB-310-BOT	Solid	Percent Solids	Cool 4 deg C	PORT06	M11	11/15/2024	Chemtech -SO
P4893-01	MH-763	Solid	Percent Solids	Cool 4 deg C	PORT06	M11	11/15/2024	Chemtech -SO
P4893-02	MH-763-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-03	MH-763-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-05	MH-762	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-06	MH-762-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4893-07	MH-762-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4894-01	FES-SB401-1921	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/16/2024	Chemtech -SO
P4894-02	FES-SB401-6062	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	11/14/2024	Chemtech -SO
P4894-03	FES-DUP02-20241114	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	11/14/2024	Chemtech -SO
P4908-01	SP-1	Solid	Percent Solids	Cool 4 deg C	TETR06	L51	11/14/2024	Chemtech -SO
P4908-02	SP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4908-03	SP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO

Date/Time 11-18-24 15:30

Raw Sample Received by: SB WC

Raw Sample Relinquished by: SR

Date/Time 11-18-24 17:10

Raw Sample Received by: SR

Raw Sample Relinquished by: SB WC

WORKLIST(Hardcopy Internal Chain)

WB133489

WorkList Name : %1-111824 **WorkList ID :** 185509 **Department :** Wet-Chemistry **Date :** 11-18-2024 08:23:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4908-04	SP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/18/2024	Chemtech -SO
P4909-01	BU-02-111824	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/18/2024	Chemtech -SO
P4909-02	BU-02-111824	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	11/18/2024	Chemtech -SO
P4910-01	MH-COTTAGE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-02	MH-COTTAGE-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-03	MH-COTTAGE-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-05	MH-759	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-06	MH-759-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO
P4910-07	MH-759-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L61	11/18/2024	Chemtech -SO

Date/Time 11-18-24 15:30

Raw Sample Received by: BB CCC

Raw Sample Relinquished by: SM

Date/Time 11-18-24 17:10

Raw Sample Received by: SM

Raw Sample Relinquished by: BB CCC

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. P4891/P4892
QUOTE NO.
COC Number 2042035

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Avenue
CITY Audobon STATE: PA ZIP: 19403
ATTENTION: Joe Kupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak's replacement of Sawtooth Bridge
PROJECT NO.: 950000878 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Kupansky
e-mail: ~~[illegible]~~ QAQC@bemsys.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: ~~Chem~~ Alliance/chemtech PO#:
ADDRESS: 284 Sheffield St.
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 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 BEM EDD

ANALYSIS

1 TCL VOC+10; 2 TCL PAH; 3 TAL Metals; 4 PCB's; 5 Chlord (Liv); 6 EPH; 7 Full TCLP; 8 RCRA PARA; 9 TOX

PRESERVATIVES: 1 A; 3 B; 5 F

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	WB-310-SW	GW	X	•	11/15	8:05	7	X	X	X	X	X	X				
2.	WB-310-Top	S	X		11/15	9:00	10	X	X	X	X	X	X				
3.	WB-310-Bot	S	X		11/15	12:30	9	X	X	X	X	X	X	X	X	X	
4.	TB-~~11152~~024	DIW			11/15	LAB	2	X									
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. Vennola	11/15 5:02pm	1. [signature] 1702 11-15-24
2.		2.
3. [signature]	1745 11-15-24	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.0 °C
Comments:

Page ____ of ____

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

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4892 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 11/18/2024 8:10:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 11/15/2024 5:45:00 PM
Purchase Order :

Project Mgr : Kiran
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff : 11/18/2024 12:55:05 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4892-01	WB-310-TOP	Solid	11/15/2024	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4892-02	WB-310-BOT	Solid	11/15/2024	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4892-04	WB-310-SW	Water	11/15/2024	08:05					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 11-18-24 1322

Received By :
Date / Time : 11/18/24 1322

Storage Area : **VOA Refridgerator Room**