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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LAB CHRONICLE

OrderID:	P4615	**OrderDate:**	10/29/2024 2:04:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4615-04	**TB-10292024**	**Water**			**10/29/24**			**10/29/24**
			VOC-TCLVOA-10	8260-Low			10/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P4615

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**TB-10292024**							
P4615-04	TB-10292024	Water	Acetone	1.70	J	1.40	5.00	ug/L
			Total Voc :	1.70				
			Total Concentration:	1.70				

QC SUMMARY

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Surrogate Summary

SDG No.: P4615

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4615-04	TB-10292024	1,2-Dichloroethane-d4	50	41.0	82	70 (74)	130 (125)
		Dibromofluoromethane	50	44.0	88	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.0	96	70 (77)	130 (121)
VX1030WBL01	VX1030WBL01	1,2-Dichloroethane-d4	50	44.0	88	70 (74)	130 (125)
		Dibromofluoromethane	50	45.0	90	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94	70 (77)	130 (121)
VX1030WBS01	VX1030WBS01	1,2-Dichloroethane-d4	50	46.0	92	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.0	104	70 (77)	130 (121)
VX1030WBSD0	VX1030WBSD01	1,2-Dichloroethane-d4	50	45.0	90	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.0	102	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4615

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043613.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1030WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			40 (69)	160 (116)	
	Chloromethane	20	17.0	ug/L	85			40 (65)	160 (116)	
	Vinyl chloride	20	18.0	ug/L	90			70 (65)	130 (117)	
	Bromomethane	20	19.0	ug/L	95			40 (58)	160 (125)	
	Chloroethane	20	18.0	ug/L	90			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.0	ug/L	90			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.0	ug/L	90			70 (74)	130 (110)	
	Acetone	100	99.0	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	15.0	ug/L	75			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.0	ug/L	95			70 (78)	130 (114)	
	Methyl Acetate	20	18.0	ug/L	90			70 (67)	130 (125)	
	Methylene Chloride	20	18.0	ug/L	90			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.0	ug/L	90			70 (78)	130 (112)	
	Cyclohexane	20	18.0	ug/L	90			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			70 (77)	130 (110)	
	Bromochloromethane	20	18.0	ug/L	90			70 (70)	130 (124)	
	Chloroform	20	19.0	ug/L	95			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.0	ug/L	90			70 (80)	130 (108)	
	Methylcyclohexane	20	19.0	ug/L	95			70 (72)	130 (115)	
	Benzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.0	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	18.0	ug/L	90			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.0	ug/L	95			70 (83)	130 (111)	
	Bromodichloromethane	20	19.0	ug/L	95			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	20.0	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	19.0	ug/L	95			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.0	ug/L	105			70 (81)	130 (110)	
	Tetrachloroethene	20	19.0	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	19.0	ug/L	95			70 (83)	130 (109)	
	m/p-Xylenes	40	39.0	ug/L	98			70 (82)	130 (110)	
	o-Xylene	20	20.0	ug/L	100			70 (83)	130 (109)	
	Styrene	20	20.0	ug/L	100			70 (80)	130 (111)	
	Bromoform	20	18.0	ug/L	90			70 (79)	130 (109)	
	Isopropylbenzene	20	19.0	ug/L	95			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4615

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043613.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1030WBS01	1,2-Dibromo-3-Chloropropane	20	18.0	ug/L	90			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4615

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043614.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1030WBSD01	Dichlorodifluoromethane	20	17.0	ug/L	85	0		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.0	ug/L	85	0		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.0	ug/L	90	0		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.0	ug/L	90	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	17.0	ug/L	85	6		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.0	ug/L	95	5		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.0	ug/L	90	5		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.0	ug/L	95	5		70 (74)	130 (110)	20 (20)
	Acetone	100	93.0	ug/L	93	6		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.0	ug/L	80	6		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.0	ug/L	95	0		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.0	ug/L	90	0		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.0	ug/L	90	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	5		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	18.0	ug/L	90	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.0	ug/L	90	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	95.0	ug/L	95	5		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.0	ug/L	90	0		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.0	ug/L	95	0		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.0	ug/L	90	0		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.0	ug/L	95	0		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.0	ug/L	90	0		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.0	ug/L	95	0		70 (72)	130 (115)	20 (20)
	Benzene	20	19.0	ug/L	95	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.0	ug/L	95	0		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.0	ug/L	95	5		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.0	ug/L	95	0		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	19.0	ug/L	95	0		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	99.0	ug/L	99	1		40 (74)	160 (118)	20 (20)
	Toluene	20	19.0	ug/L	95	5		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	18.0	ug/L	90	0		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	0		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	20.0	ug/L	100	0		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	99.0	ug/L	99	1		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	19.0	ug/L	95	0		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.0	ug/L	100	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	0		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.0	ug/L	95	0		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.0	ug/L	95	0		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	39.0	ug/L	98	0		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.0	ug/L	100	0		70 (83)	130 (109)	20 (20)
	Styrene	20	20.0	ug/L	100	0		70 (80)	130 (111)	20 (20)
	Bromoform	20	18.0	ug/L	90	0		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.0	ug/L	100	5		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.0	ug/L	100	5		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.0	ug/L	95	0		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	20.0	ug/L	100	0		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P4615**

Client: **Portal Partners Tri-Venture**

Analytical Method: **SW8260-Low** **Datafile :** VX043614.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1030WBSD01	1,2-Dibromo-3-Chloropropane	20	18.0	ug/L	90	0		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100	0		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95	0		70 (76)	130 (114)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1030WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4615 SAS No.: P4615 SDG NO.: P4615

Lab File ID: VX043612.D Lab Sample ID: VX1030WBL01

Date Analyzed: 10/30/2024 Time Analyzed: 10:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1030WBS01	VX1030WBS01	VX043613.D	10/30/2024
VX1030WBSD01	VX1030WBSD01	VX043614.D	10/30/2024
TB-10292024	P4615-04	VX043620.D	10/30/2024

COMMENTS:

Raw Data: **VX043555.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4615 SAS No.: P4615 SDG NO.: P4615

Lab File ID: VX043555.D BFB Injection Date: 10/28/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:09

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	50.9
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	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	68.9 (96.7) 1
177	5.0 - 9.0% of mass 176	4.1 (6) 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
VSTDICC001	VSTDICC001	VX043556.D	10/28/2024	10:59
VSTDICC005	VSTDICC005	VX043557.D	10/28/2024	11:22
VSTDICC020	VSTDICC020	VX043558.D	10/28/2024	11:45
VSTDICCC050	VSTDICCC050	VX043559.D	10/28/2024	12:08
VSTDICC100	VSTDICC100	VX043560.D	10/28/2024	12:31
VSTDICC150	VSTDICC150	VX043561.D	10/28/2024	12:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4615 SAS No.: P4615 SDG NO.: P4615

Lab File ID: VX043609.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	46.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	72
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	70.9 (98.5) 1
177	5.0 - 9.0% of mass 176	4.2 (6) 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	VX043610.D	10/30/2024	09:26
VX1030WBL01	VX1030WBL01	VX043612.D	10/30/2024	10:22
VX1030WBS01	VX1030WBS01	VX043613.D	10/30/2024	10:56
VX1030WBSD01	VX1030WBSD01	VX043614.D	10/30/2024	11:19
TB-10292024	P4615-04	VX043620.D	10/30/2024	13:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4615 SAS No.: P4615 SDG NO.: P4615

Lab File ID: VX043610.D Date Analyzed: 10/30/2024

Instrument ID: MSVOA_X Time Analyzed: 09:26

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	150073	5.54	269353	6.76	239151	10.06
UPPER LIMIT	300146	6.044	538706	7.257	478302	10.555
LOWER LIMIT	75036.5	5.044	134677	6.257	119576	9.555
EPA SAMPLE NO.						
TB-10292024	141860	5.55	257724	6.76	226949	10.06
VX1030WBL01	124305	5.54	229429	6.76	204357	10.06
VX1030WBS01	148306	5.54	264784	6.76	239021	10.06
VX1030WBSD01	157679	5.55	281415	6.76	248802	10.06

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.: P4615 SAS No.: P4615 SDG NO.: P4615

Lab File ID: VX043610.D Date Analyzed: 10/30/2024

Instrument ID: MSVOA_X Time Analyzed: 09:26

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	115673	12.018				
UPPER LIMIT	231346	12.518				
LOWER LIMIT	57836.5	11.518				
EPA SAMPLE NO.						
TB-10292024	102830	12.02				
VX1030WBL01	87309	12.02				
VX1030WBS01	117960	12.02				
VX1030WBSD01	119220	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX043620.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:	10/29/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/29/24
Client Sample ID:	TB-10292024	SDG No.:	P4615
Lab Sample ID:	P4615-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043620.D	1		10/30/24 13:38	VX103024

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	1.70	J	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/29/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/29/24
Client Sample ID:	TB-10292024	SDG No.:	P4615
Lab Sample ID:	P4615-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043620.D	1		10/30/24 13:38	VX103024

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	41.1		70 (74) - 130 (125)	82%	SPK: 50
1868-53-7	Dibromofluoromethane	44.0		70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	5.55			
540-36-3	1,4-Difluorobenzene	258000	6.763			
3114-55-4	Chlorobenzene-d5	227000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	103000	12.024			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/29/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/29/24
Client Sample ID:	TB-10292024	SDG No.:	P4615
Lab Sample ID:	P4615-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043620.D	1		10/30/24 13:38	VX103024

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: **VX043620.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043620.D
Acq On : 30 Oct 2024 13:38
Operator : JC/MD
Sample : P4615-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Quant Time: Oct 31 09:42:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

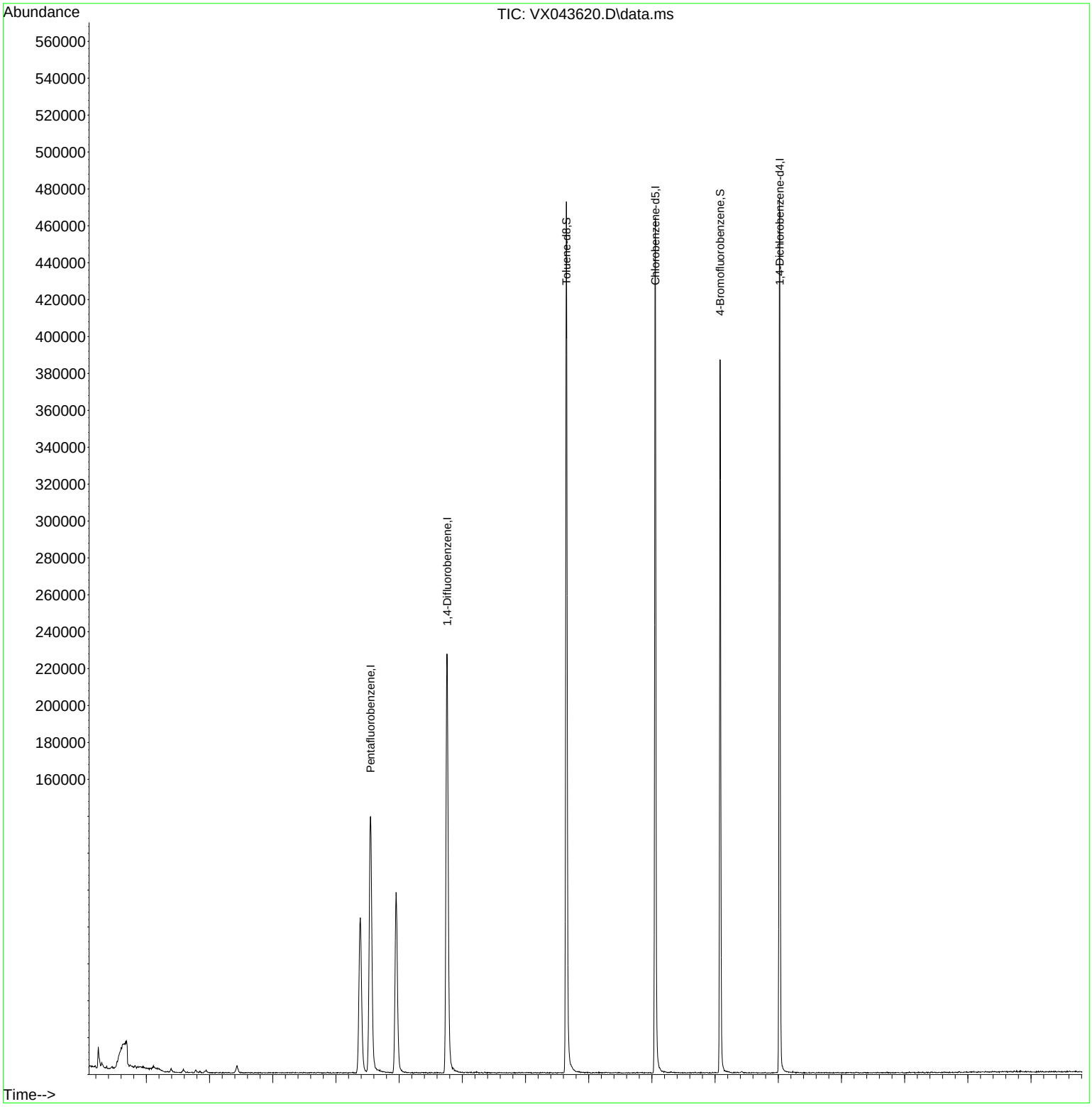
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	141860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	257724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102830	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92963	41.098	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.200%		
35) Dibromofluoromethane	5.385	113	76925	44.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.040%		
50) Toluene-d8	8.647	98	300447	49.664	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.320%		
62) 4-Bromofluorobenzene	11.079	95	106618	47.561	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.120%		
Target Compounds						Qvalue
16) Acetone	2.392	43	1556	1.732	ug/l #	87

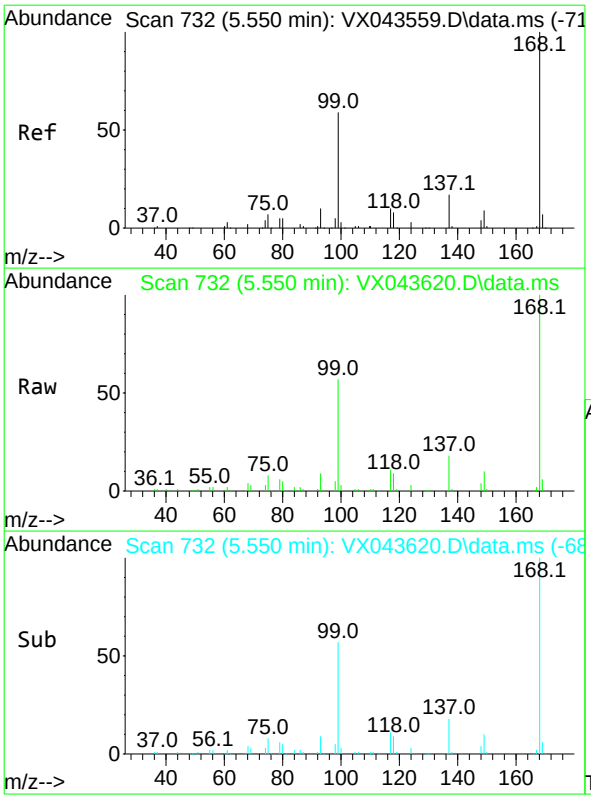
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043620.D
Acq On : 30 Oct 2024 13:38
Operator : JC/MD
Sample : P4615-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Quant Time: Oct 31 09:42:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



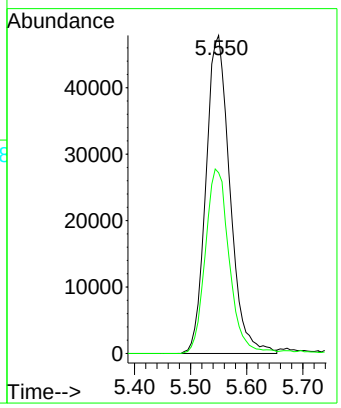


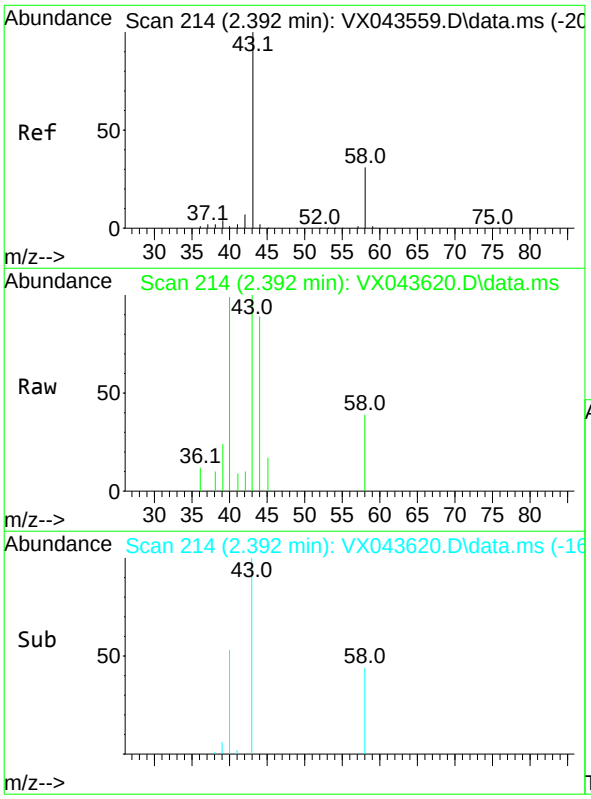
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Tgt Ion:168 Resp: 141860

Ion	Ratio	Lower	Upper
168	100		
99	56.8	52.6	78.8

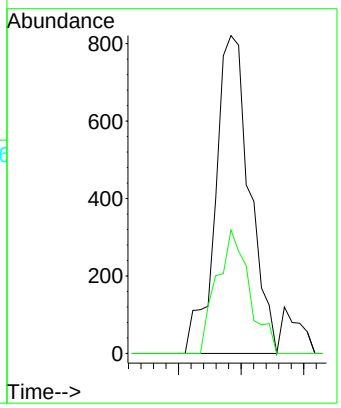


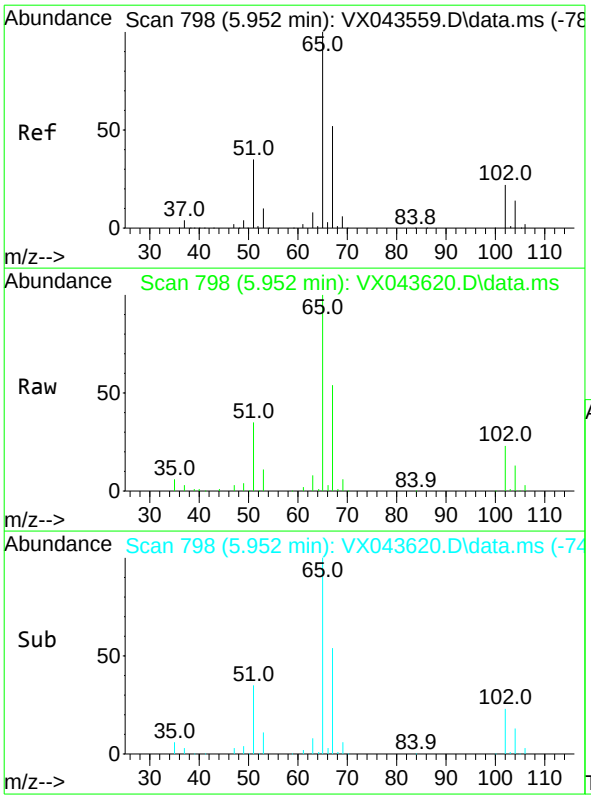


#16
Acetone
Concen: 1.732 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Tgt Ion: 43 Resp: 1556

Ion	Ratio	Lower	Upper
43	100		
58	38.9	25.1	37.7#



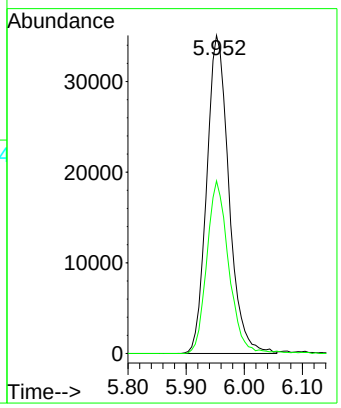


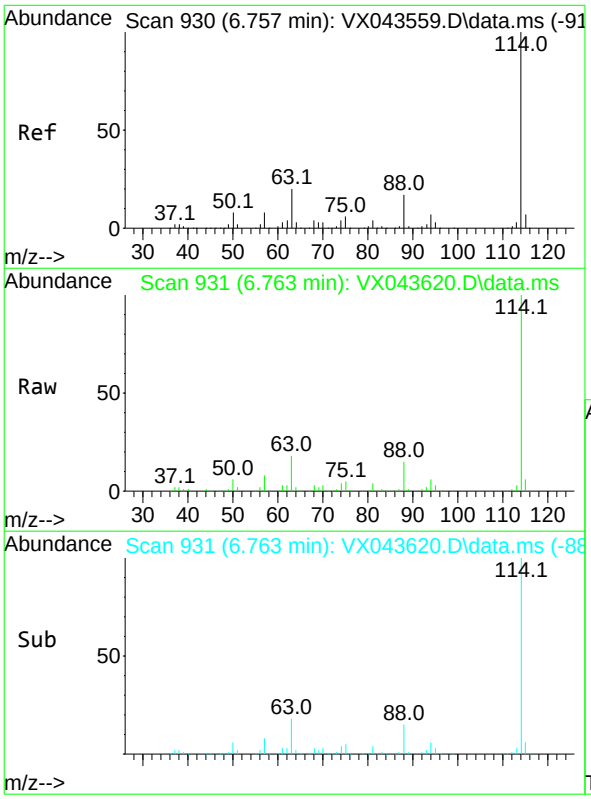
#33
1,2-Dichloroethane-d4
Concen: 41.098 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Tgt Ion: 65 Resp: 92963

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4

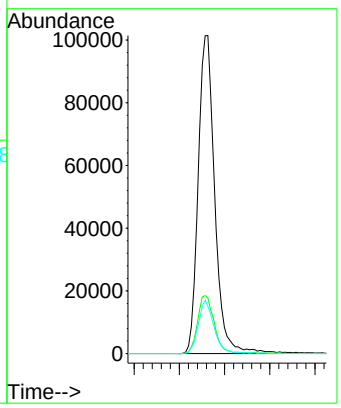


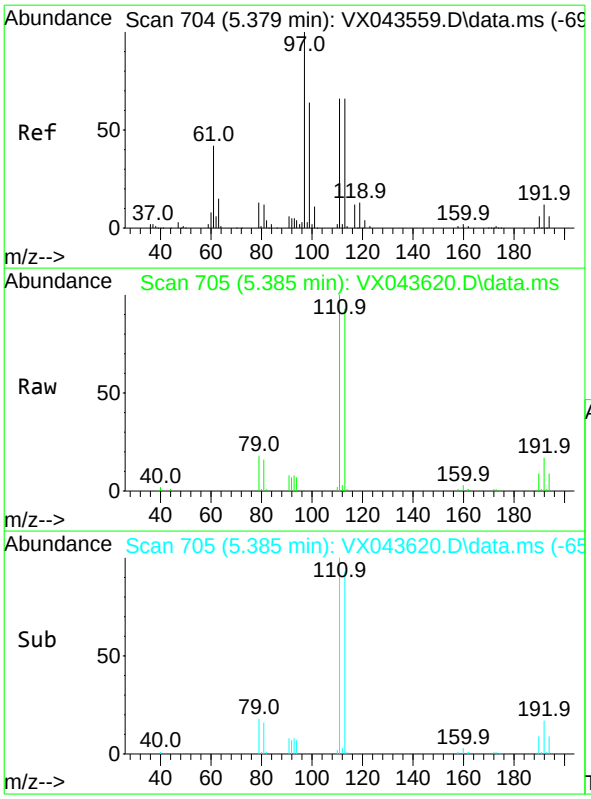


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Tgt Ion:114 Resp: 257724

Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	41.2
88	14.9	0.0	34.0



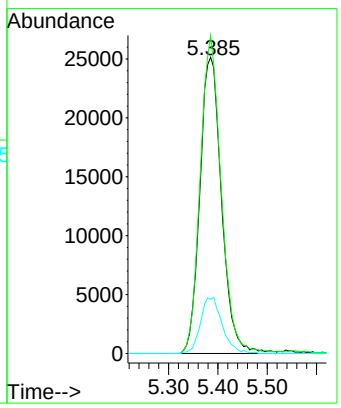


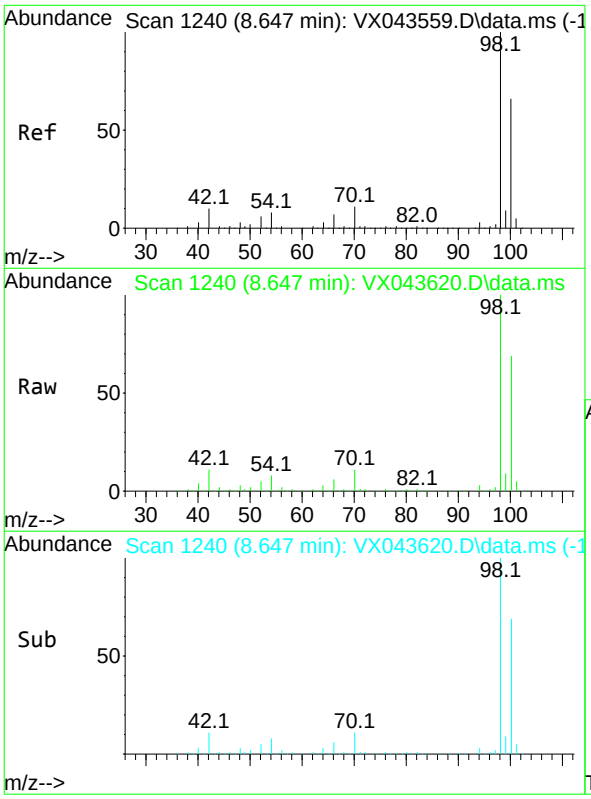
#35
Dibromofluoromethane
Concen: 44.017 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Tgt Ion:113 Resp: 76925

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.4	122.0
192	19.0	14.1	21.1

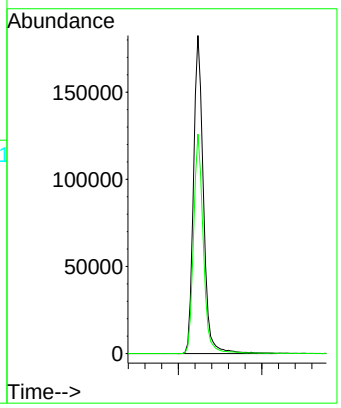


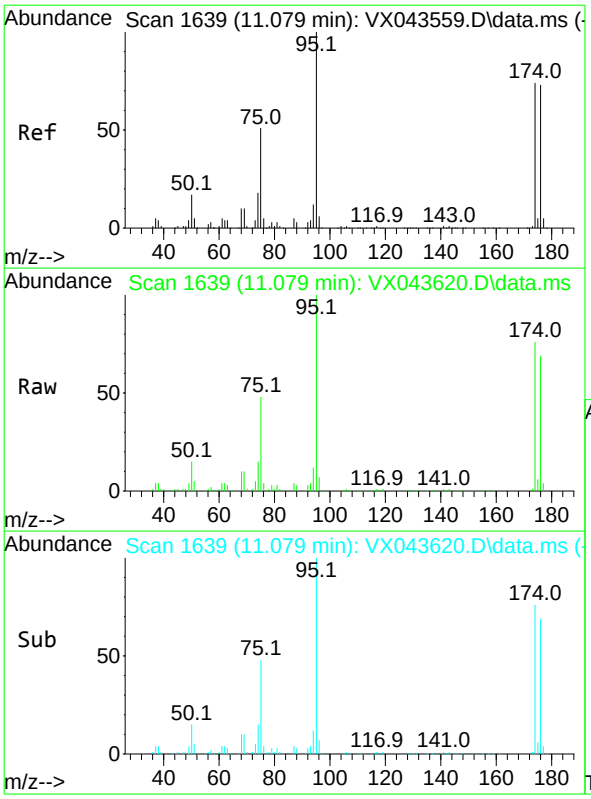


#50
Toluene-d8
Concen: 49.664 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Tgt Ion: 98 Resp: 300447

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.2



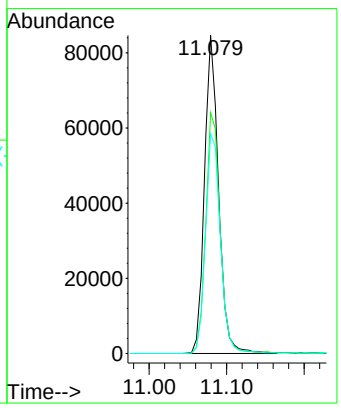


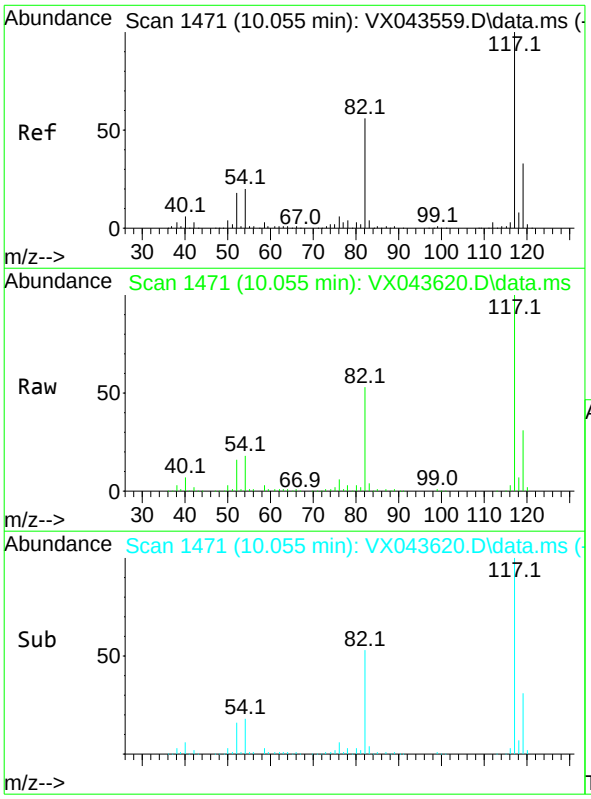
#62
4-Bromofluorobenzene
Concen: 47.561 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Tgt Ion: 95 Resp: 106618

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	146.6
176	73.4	0.0	139.6

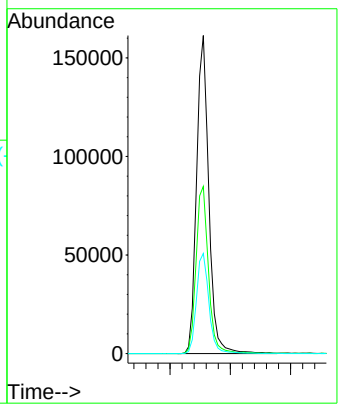


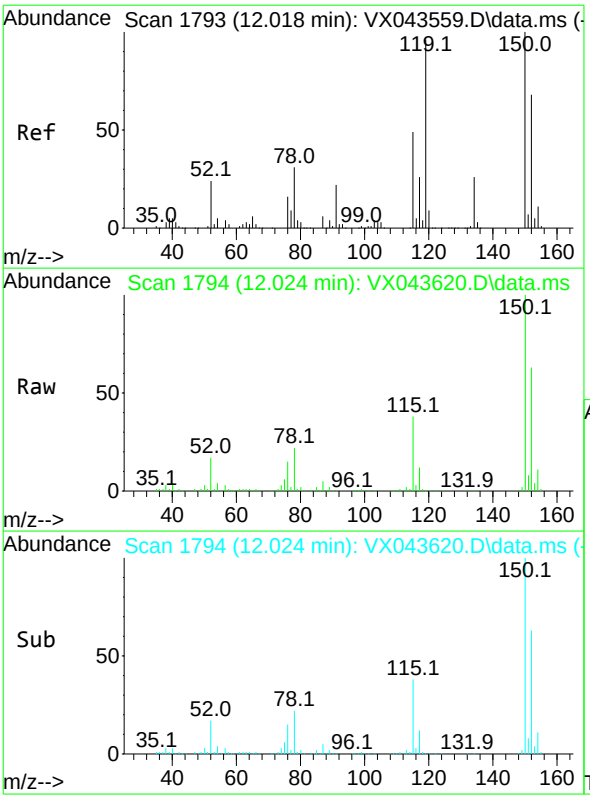


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Tgt Ion:117 Resp: 226949

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	31.5	25.4	38.2



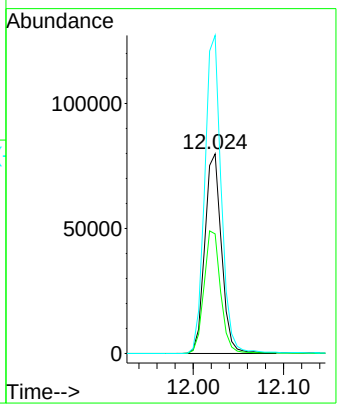


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043620.D
Acq: 30 Oct 2024 13:38

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Tgt Ion:152 Resp: 102830

Ion	Ratio	Lower	Upper
152	100		
115	61.5	42.9	128.7
150	157.4	0.0	343.6



Sample Results: **VX043620.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043620.D
Acq On : 30 Oct 2024 13:38
Operator : JC/MD
Sample : P4615-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

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_X\Method\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043620.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	31	rBV	11251	16475	2.11%	0.403%
2	1.599	75	84	86	rBV6	7687	19907	2.55%	0.487%
3	3.434	377	385	394	rBV5	3870	8906	1.14%	0.218%
4	5.385	694	705	719	rBV3	84351	252310	32.26%	6.168%
5	5.550	721	732	748	rVV	138156	410768	52.52%	10.042%
6	5.952	789	798	812	rBV2	97895	259947	33.23%	6.355%
7	6.757	922	930	944	rBV	227070	565503	72.30%	13.824%
8	8.647	1233	1240	1264	rBV	472226	782189	100.00%	19.121%
9	10.055	1465	1471	1488	rBV	463818	666213	85.17%	16.286%
10	11.079	1634	1639	1650	rBV	386578	494364	63.20%	12.085%
11	12.018	1788	1793	1807	rBV	474141	614085	78.51%	15.012%

Sum of corrected areas: 4090667

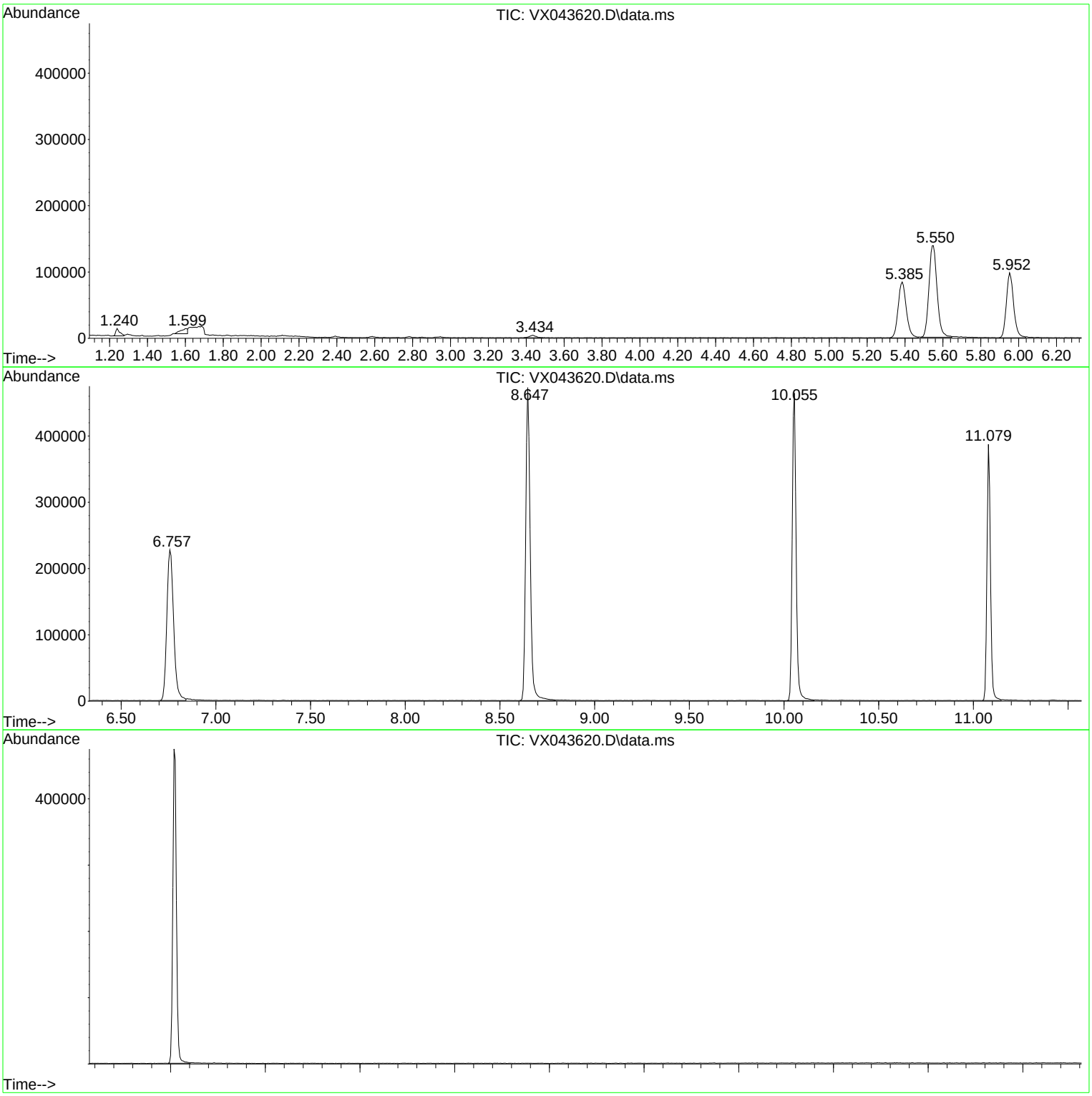
Sample Results: **VX043620.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043620.D
Acq On : 30 Oct 2024 13:38
Operator : JC/MD
Sample : P4615-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043620.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043620.D
Acq On : 30 Oct 2024 13:38
Operator : JC/MD
Sample : P4615-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX103024\
Data File : VX043620.D
Acq On : 30 Oct 2024 13:38
Operator : JC/MD
Sample : P4615-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10292024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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.: P4615 SAS No.: P4615 SDG No.: P4615

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7
Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.1
Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.2
Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.9
Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	9
Trichlorofluoromethane	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.1
1,1,2-Trichlorotrifluoroethane	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.7
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3
Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.2
Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.6
Methyl tert-butyl Ether	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.9
Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.4
Methylene Chloride	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.2
trans-1,2-Dichloroethene	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3
1,1-Dichloroethane	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.6
Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.3
2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.5
Carbon Tetrachloride	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.8
cis-1,2-Dichloroethene	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.3
Bromochloromethane	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.7
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8
1,1,1-Trichloroethane	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.3
Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.9
Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	4
1,2-Dichloroethane	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.6
Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.4
1,2-Dichloropropane	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.2
Bromodichloromethane	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10
4-Methyl-2-Pentanone	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8
Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.7

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

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.: P4615 SAS No.: P4615 SDG No.: P4615

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.6
cis-1,3-Dichloropropene	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12
1,1,2-Trichloroethane	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.1
2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.3
Dibromochloromethane	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.4
1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.8
Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.8
Chlorobenzene	1.098	1.110	1.083	1.075	1.081	1.007	1.076	3.3
Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.5
m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.2
o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.2
Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.8
Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.9
Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.8
1,1,2,2-Tetrachloroethane	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.9
1,3-Dichlorobenzene	1.645	1.695	1.647	1.646	1.654	1.548	1.639	3
1,4-Dichlorobenzene	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.1
1,2-Dichlorobenzene	1.638	1.735	1.698	1.726	1.675	1.586	1.676	3.4
1,2-Dibromo-3-Chloropropane	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.5
1,2,4-Trichlorobenzene	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.3
1,2,3-Trichlorobenzene	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.3
1,2-Dichloroethane-d4		0.902	0.794	0.785	0.771	0.735	0.797	7.9
Dibromofluoromethane		0.358	0.337	0.336	0.342	0.323	0.339	3.7
Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.8
4-Bromofluorobenzene		0.446	0.431	0.444	0.439	0.415	0.435	2.9

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

Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024
Response Via : Initial Calibration

Calibration Files
1 =VX043556.D 5 =VX043557.D 20 =VX043558.D 50 =VX043559.D 100 =VX043560.D 150 =VX043561.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7.04
3)	P	Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.15
4)	C	Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.23#
5)	T	Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.91
6)	T	Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	8.96
7)	T	Trichlorofluor...	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.10
8)	T	Diethyl Ether	0.336	0.375	0.355	0.355	0.378	0.349	0.358	4.46
9)	T	1,1,2-Trichlor...	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.67
10)	T	Methyl Iodide		0.726	0.762	0.782	0.789	0.726	0.757	3.98
11)	T	Tert butyl alc...		0.131	0.131	0.156	0.170	0.155	0.149	11.43
12)	CM	1,1-Dichloroet...	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.27#
13)	T	Acrolein		0.124	0.121	0.109	0.117	0.111	0.116	5.54
14)	T	Allyl chloride	0.911	0.881	0.900	0.953	1.003	0.911	0.926	4.82
15)	T	Acrylonitrile	0.302	0.335	0.331	0.348	0.360	0.340	0.336	5.75
16)	T	Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.17
17)	T	Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.61
18)	T	Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.37
19)	T	Methyl tert-bu...	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.94
20)	T	Methylene Chlo...	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.16
21)	T	trans-1,2-Dich...	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3.01
22)	T	Diisopropyl ether	1.799	1.992	1.982	1.951	1.942	1.823	1.915	4.32
23)	T	Vinyl Acetate	1.326	1.547	1.607	1.688	1.706	1.618	1.582	8.73
24)	P	1,1-Dichloroet...	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.57
25)	T	2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.54
26)	T	2,2-Dichloropr...	0.928	0.914	0.901	0.889	0.925	0.848	0.901	3.33
27)	T	cis-1,2-Dichlo...	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.33
28)	T	Bromochloromet...	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.73
29)	T	Tetrahydrofuran	0.281	0.305	0.299	0.310	0.312	0.295	0.300	3.78
30)	C	Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.82#
31)	T	Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.26
32)	T	1,1,1-Trichlor...	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.32
33)	S	1,2-Dichloroet...		0.902	0.794	0.785	0.771	0.735	0.797	7.86
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.358	0.337	0.336	0.342	0.323	0.339	3.73
36)	T	1,1-Dichloropr...	0.451	0.396	0.408	0.388	0.400	0.369	0.402	6.88
37)	T	Ethyl Acetate	0.522	0.416	0.498	0.506	0.503	0.484	0.488	7.65
38)	T	Carbon Tetrach...	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.83
39)	T	Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.88
40)	TM	Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	3.97
41)	T	Methacrylonitrile	0.260	0.221	0.260	0.271	0.270	0.256	0.256	7.12
42)	TM	1,2-Dichloroet...	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.65
43)	T	Isopropyl Acetate	0.744	0.809	0.795	0.836	0.845	0.814	0.807	4.45
44)	TM	Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.45
45)	C	1,2-Dichloropr...	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.25#
46)	T	Dibromomethane	0.230	0.264	0.258	0.260	0.262	0.252	0.254	4.93
47)	T	Bromodichlorom...	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10.03
48)	T	Methyl methacr...	0.319	0.367	0.391	0.402	0.412	0.404	0.383	9.07
49)	T	1,4-Dioxane	0.008	0.008	0.007	0.008	0.010	0.007	0.008	13.42
50)	S	Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.76
51)	T	4-Methyl-2-Pen...	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8.04
52)	CM	Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.75#
53)	T	t-1,3-Dichloro...	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.64
54)	T	cis-1,3-Dichlo...	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12.02
55)	T	1,1,2-Trichlor...	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.05
56)	T	Ethyl methacry...	0.473	0.522	0.561	0.590	0.588	0.566	0.550	8.19

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102824W.M

57)	T	1,3-Dichloropr...	0.495	0.577	0.589	0.590	0.576	0.551	0.563	6.42
58)	T	2-Chloroethyl ...	0.232	0.257	0.287	0.268	0.279	0.275	0.266	7.34
59)	T	2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.33
60)	T	Dibromochlorom...	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.42
61)	T	1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.81
62)	S	4-Bromofluorob...		0.446	0.431	0.444	0.439	0.415	0.435	2.92
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.83
65)	PM	Chlorobenzene	1.098	1.110	1.082	1.075	1.081	1.007	1.076	3.34
66)	T	1,1,1,2-Tetrac...	0.301	0.345	0.350	0.372	0.381	0.359	0.351	8.05
67)	C	Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.48#
68)	T	m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.21
69)	T	o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.20
70)	T	Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.75
71)	P	Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.91
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.80
74)	T	N-amyl acetate	1.647	1.710	1.736	1.773	1.779	1.708	1.725	2.83
75)	P	1,1,2,2-Tetrac...	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.86
76)	T	1,2,3-Trichlor...	0.928	1.210	1.166	1.071	1.043	0.996	1.069	9.83
77)	T	Bromobenzene	0.922	0.945	0.926	0.925	0.922	0.847	0.915	3.74
78)	T	n-propylbenzene	3.678	3.819	4.066	3.986	3.987	3.635	3.862	4.63
79)	T	2-Chlorotoluene	2.723	2.677	2.652	2.517	2.499	2.296	2.561	6.15
80)	T	1,3,5-Trimethy...	2.761	3.105	3.117	3.038	2.984	2.714	2.953	5.91
81)	T	trans-1,4-Dich...		0.290	0.356	0.418	0.447	0.432	0.389	16.71
82)	T	4-Chlorotoluene	2.951	2.921	2.942	2.892	2.887	2.652	2.874	3.88
83)	T	tert-Butylbenzene	2.885	3.100	3.149	3.041	3.068	2.777	3.003	4.73
84)	T	1,2,4-Trimethy...	2.780	3.111	3.187	3.099	3.051	2.829	3.010	5.50
85)	T	sec-Butylbenzene	3.295	3.559	3.718	3.642	3.604	3.304	3.520	5.09
86)	T	p-Isopropyltol...	2.741	2.984	3.123	3.121	3.138	2.847	2.992	5.58
87)	T	1,3-Dichlorobe...	1.645	1.695	1.647	1.646	1.654	1.548	1.639	2.97
88)	T	1,4-Dichlorobe...	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.14
89)	T	n-Butylbenzene	2.117	2.230	2.516	2.614	2.687	2.467	2.438	9.10
90)	T	Hexachloroethane	0.408	0.421	0.476	0.519	0.560	0.533	0.486	12.77
91)	T	1,2-Dichlorobe...	1.638	1.735	1.697	1.726	1.675	1.586	1.676	3.38
92)	T	1,2-Dibromo-3-...	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.53
93)	T	1,2,4-Trichlor...	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.27
94)	T	Hexachlorobuta...	0.392	0.367	0.378	0.373	0.391	0.351	0.375	4.13
95)	T	Naphthalene	3.249	3.742	4.006	4.126	4.229	4.007	3.893	9.12
96)	T	1,2,3-Trichlor...	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.25

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	161665	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	295688	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	253619	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113521	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	1.166	85	1906	1.058	ug/l		96
3) Chloromethane	1.294	50	2572	1.119	ug/l		94
4) Vinyl Chloride	1.374	62	2023	0.966	ug/l	#	85
6) Chloroethane	1.666	64	850	1.240	ug/l		90
7) Trichlorofluoromethane	1.861	101	2660	0.968	ug/l		95
8) Diethyl Ether	2.136	74	1086	0.905	ug/l		62
9) 1,1,2-Trichlorotrifluo...	2.313	101	1687	0.972	ug/l		97
12) 1,1-Dichloroethene	2.300	96	1723	1.010	ug/l	#	80
14) Allyl chloride	2.654	41	2945	0.973	ug/l		98
15) Acrylonitrile	3.081	53	4889	4.029	ug/l		96
16) Acetone	2.392	43	5896	5.386	ug/l		98
17) Carbon Disulfide	2.495	76	3450	0.977	ug/l		95
18) Methyl Acetate	2.709	43	3137	0.954	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	6442	0.971	ug/l		99
20) Methylene Chloride	2.788	84	2497	1.167	ug/l		84
21) trans-1,2-Dichloroethene	3.087	96	1808	0.979	ug/l		88
22) Diisopropyl ether	3.776	45	5818	0.931	ug/l		97
23) Vinyl Acetate	3.727	43	21436	4.154	ug/l		98
24) 1,1-Dichloroethane	3.599	63	3565	1.012	ug/l	#	91
25) 2-Butanone	4.593	43	6900	4.150	ug/l		100
26) 2,2-Dichloropropane	4.465	77	3002	1.182	ug/l		94
27) cis-1,2-Dichloroethene	4.489	96	2288	0.994	ug/l		95
28) Bromochloromethane	4.897	49	1656	0.950	ug/l	#	68
29) Tetrahydrofuran	5.032	42	4543	4.185	ug/l	#	84
30) Chloroform	5.093	83	3785	1.005	ug/l	#	81
32) 1,1,1-Trichloroethane	5.373	97	3037	0.959	ug/l	#	48
36) 1,1-Dichloropropene	5.702	75	2670	1.146	ug/l		91
37) Ethyl Acetate	4.757	43	3086m	0.970	ug/l		
38) Carbon Tetrachloride	5.660	117	2731	1.031	ug/l		98
39) Methylcyclohexane	7.379	83	2811	0.941	ug/l	#	87
40) Benzene	6.050	78	7896	1.014	ug/l		97
41) Methacrylonitrile	4.995	41	1539m	0.962	ug/l		
42) 1,2-Dichloroethane	6.098	62	2692	0.939	ug/l		95
43) Isopropyl Acetate	6.367	43	4398	0.874	ug/l		96
44) Trichloroethene	7.135	130	1898	1.028	ug/l		70
45) 1,2-Dichloropropane	7.428	63	1935	1.017	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	1360	0.931	ug/l		88
47) Bromodichloromethane	7.824	83	2234	0.862	ug/l	#	95
48) Methyl methacrylate	7.708	41	1889	0.804	ug/l	#	84
49) 1,4-Dioxane	7.696	88	959	15.892	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.580	43	12287	3.855	ug/l		97
52) Toluene	8.720	92	4396	0.915	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	2487	0.948	ug/l		90
54) cis-1,3-Dichloropropene	8.366	75	2324	0.807	ug/l	#	87
55) 1,1,2-Trichloroethane	9.159	97	1879	0.927	ug/l	#	85
56) Ethyl methacrylate	9.128	69	2799	0.855	ug/l		92
57) 1,3-Dichloropropane	9.311	76	2929	0.875	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.251	63	6868	4.263	ug/l		93
59) 2-Hexanone	9.445	43	9840	4.082	ug/l		93
60) Dibromochloromethane	9.519	129	1531	0.807	ug/l		92
61) 1,2-Dibromoethane	9.616	107	1856	0.908	ug/l		98
64) Tetrachloroethene	9.275	164	1707	1.075	ug/l	#	82
65) Chlorobenzene	10.079	112	5570	1.056	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1525	0.856	ug/l	#	60
67) Ethyl Benzene	10.195	91	8911	1.015	ug/l		95
68) m/p-Xylenes	10.305	106	6344	1.908	ug/l		96
69) o-Xylene	10.640	106	3125	0.914	ug/l		91
70) Styrene	10.659	104	5108	0.923	ug/l		95
71) Bromoform	10.805	173	1032	0.859	ug/l	#	94
73) Isopropylbenzene	10.963	105	7996	0.985	ug/l		100
74) N-amyl acetate	10.848	43	3739	0.915	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	2747	0.884	ug/l		99
76) 1,2,3-Trichloropropane	11.244	75	2108m	0.799	ug/l		
77) Bromobenzene	11.201	156	2093	1.010	ug/l		98
78) n-propylbenzene	11.305	91	8350	0.966	ug/l		98
79) 2-Chlorotoluene	11.366	91	6183	1.066	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	6268	0.930	ug/l		98
82) 4-Chlorotoluene	11.457	91	6699	1.043	ug/l		95
83) tert-Butylbenzene	11.713	119	6551	0.953	ug/l		94
84) 1,2,4-Trimethylbenzene	11.756	105	6312	0.916	ug/l		95
85) sec-Butylbenzene	11.890	105	7481	0.940	ug/l		99
86) p-Isopropyltoluene	12.012	119	6224	0.944	ug/l		95
87) 1,3-Dichlorobenzene	11.969	146	3734	1.005	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	4352m	1.162	ug/l		
89) n-Butylbenzene	12.335	91	4807	0.899	ug/l		93
90) Hexachloroethane	12.530	117	926	0.868	ug/l		82
91) 1,2-Dichlorobenzene	12.335	146	3719	0.970	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	519	0.785	ug/l		89
93) 1,2,4-Trichlorobenzene	13.591	180	1965	0.876	ug/l		96
94) Hexachlorobutadiene	13.725	225	889	1.119	ug/l		86
95) Naphthalene	13.780	128	7377	0.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	2215	0.943	ug/l		96

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

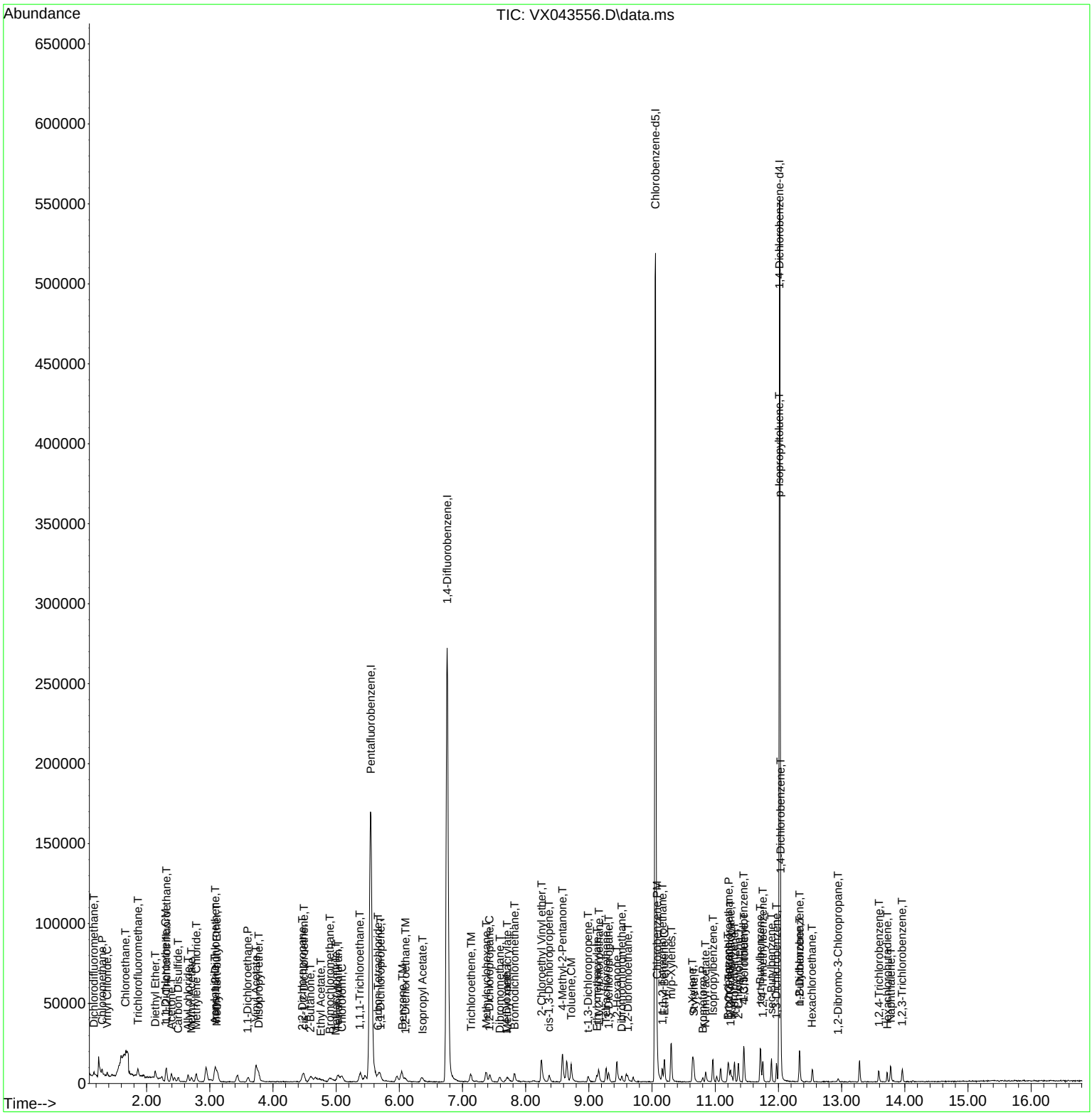
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	155093	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	287211	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	250063	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111781	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	13988	5.686	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.380%#			
35) Dibromofluoromethane	5.385	113	10276	5.373	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.740%#			
50) Toluene-d8	8.647	98	36059	5.438	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.880%#			
62) 4-Bromofluorobenzene	11.079	95	12799	5.284	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.560%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	8579	4.962	ug/l		96
3) Chloromethane	1.295	50	10900	4.942	ug/l		95
4) Vinyl Chloride	1.374	62	10451	5.202	ug/l		99
5) Bromomethane	1.599	94	4136	5.271	ug/l		92
6) Chloroethane	1.660	64	3330	5.066	ug/l	#	82
7) Trichlorofluoromethane	1.861	101	12037	4.565	ug/l		96
8) Diethyl Ether	2.136	74	5822	5.055	ug/l		91
9) 1,1,2-Trichlorotrifluo...	2.313	101	8472	5.091	ug/l		98
10) Methyl Iodide	2.441	142	11260	4.886	ug/l		100
11) Tert butyl alcohol	3.038	59	10188	19.389	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	8606	5.260	ug/l		91
13) Acrolein	2.239	56	9609	23.207	ug/l		99
14) Allyl chloride	2.654	41	13656	4.703	ug/l		96
15) Acrylonitrile	3.075	53	25966	22.307	ug/l		99
16) Acetone	2.392	43	24830	23.644	ug/l		99
17) Carbon Disulfide	2.496	76	15112	4.462	ug/l	#	95
18) Methyl Acetate	2.709	43	14366	4.552	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	31411	4.934	ug/l		99
20) Methylene Chloride	2.782	84	10845	5.284	ug/l		98
21) trans-1,2-Dichloroethene	3.087	96	8639	4.877	ug/l		95
22) Diisopropyl ether	3.764	45	30888	5.154	ug/l	#	86
23) Vinyl Acetate	3.721	43	119942	24.227	ug/l		98
24) 1,1-Dichloroethane	3.605	63	17144	5.072	ug/l		98
25) 2-Butanone	4.581	43	35818	22.456	ug/l		98
26) 2,2-Dichloropropane	4.471	77	14180	5.820	ug/l		96
27) cis-1,2-Dichloroethene	4.483	96	11158	5.055	ug/l		98
28) Bromochloromethane	4.904	49	8209	4.909	ug/l		97
29) Tetrahydrofuran	5.026	42	23624	22.684	ug/l		97
30) Chloroform	5.093	83	18141	5.019	ug/l		95
31) Cyclohexane	5.458	56	13335	4.972	ug/l		88
32) 1,1,1-Trichloroethane	5.379	97	14721	4.846	ug/l		98
36) 1,1-Dichloropropene	5.690	75	11382	5.029	ug/l		98
37) Ethyl Acetate	4.733	43	11948	3.868	ug/l	#	94
38) Carbon Tetrachloride	5.672	117	12706	4.940	ug/l		99
39) Methylcyclohexane	7.379	83	14623	5.038	ug/l		94
40) Benzene	6.038	78	40098	5.300	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	6345	4.083	ug/l	#	81
42) 1,2-Dichloroethane	6.092	62	14018	5.037	ug/l		99
43) Isopropyl Acetate	6.355	43	23242	4.756	ug/l		99
44) Trichloroethene	7.123	130	9917	5.528	ug/l		93
45) 1,2-Dichloropropane	7.434	63	9734	5.268	ug/l		91
46) Dibromomethane	7.586	93	7576	5.337	ug/l		96
47) Bromodichloromethane	7.818	83	11922	4.735	ug/l		99
48) Methyl methacrylate	7.702	41	10543	4.621	ug/l		95
49) 1,4-Dioxane	7.690	88	4322	73.737	ug/l		88
51) 4-Methyl-2-Pentanone	8.580	43	71301	23.028	ug/l		98
52) Toluene	8.720	92	23888	5.121	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	12164	4.773	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	14227	5.084	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	9807	4.982	ug/l		97
56) Ethyl methacrylate	9.122	69	14989	4.712	ug/l		99
57) 1,3-Dichloropropane	9.311	76	16567	5.097	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.245	63	36952	23.613	ug/l		98
59) 2-Hexanone	9.439	43	52944	22.614	ug/l		99
60) Dibromochloromethane	9.519	129	8314	4.514	ug/l		96
61) 1,2-Dibromoethane	9.610	107	10094	5.087	ug/l		98
64) Tetrachloroethene	9.275	164	8068	5.154	ug/l		91
65) Chlorobenzene	10.080	112	27763	5.337	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	8622	4.907	ug/l		96
67) Ethyl Benzene	10.195	91	44094	5.095	ug/l		98
68) m/p-Xylenes	10.299	106	33988	10.367	ug/l		96
69) o-Xylene	10.640	106	17462	5.181	ug/l		98
70) Styrene	10.659	104	26381	4.836	ug/l		96
71) Bromoform	10.799	173	5147	4.345	ug/l	#	98
73) Isopropylbenzene	10.964	105	41185	5.155	ug/l		99
74) N-amyl acetate	10.848	43	19116	4.750	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	15141	4.947	ug/l		95
76) 1,2,3-Trichloropropane	11.238	75	13527m	5.206	ug/l		
77) Bromobenzene	11.201	156	10564	5.179	ug/l		97
78) n-propylbenzene	11.305	91	42687	5.013	ug/l		99
79) 2-Chlorotoluene	11.366	91	29923	5.237	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	34706	5.232	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	3243	3.808	ug/l	#	82
82) 4-Chlorotoluene	11.457	91	32648	5.163	ug/l		98
83) tert-Butylbenzene	11.713	119	34653	5.122	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	34775	5.125	ug/l		98
85) sec-Butylbenzene	11.890	105	39786	5.078	ug/l		99
86) p-Isopropyltoluene	12.006	119	33359	5.139	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	18951	5.178	ug/l		98
88) 1,4-Dichlorobenzene	12.043	146	19222	5.210	ug/l		93
89) n-Butylbenzene	12.329	91	24922	4.736	ug/l		98
90) Hexachloroethane	12.536	117	4704	4.480	ug/l		91
91) 1,2-Dichlorobenzene	12.335	146	19394	5.139	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	2456	3.771	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	11267	5.098	ug/l		98
94) Hexachlorobutadiene	13.725	225	4097	5.239	ug/l		96
95) Naphthalene	13.774	128	41834	4.613	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	11815	5.110	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 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

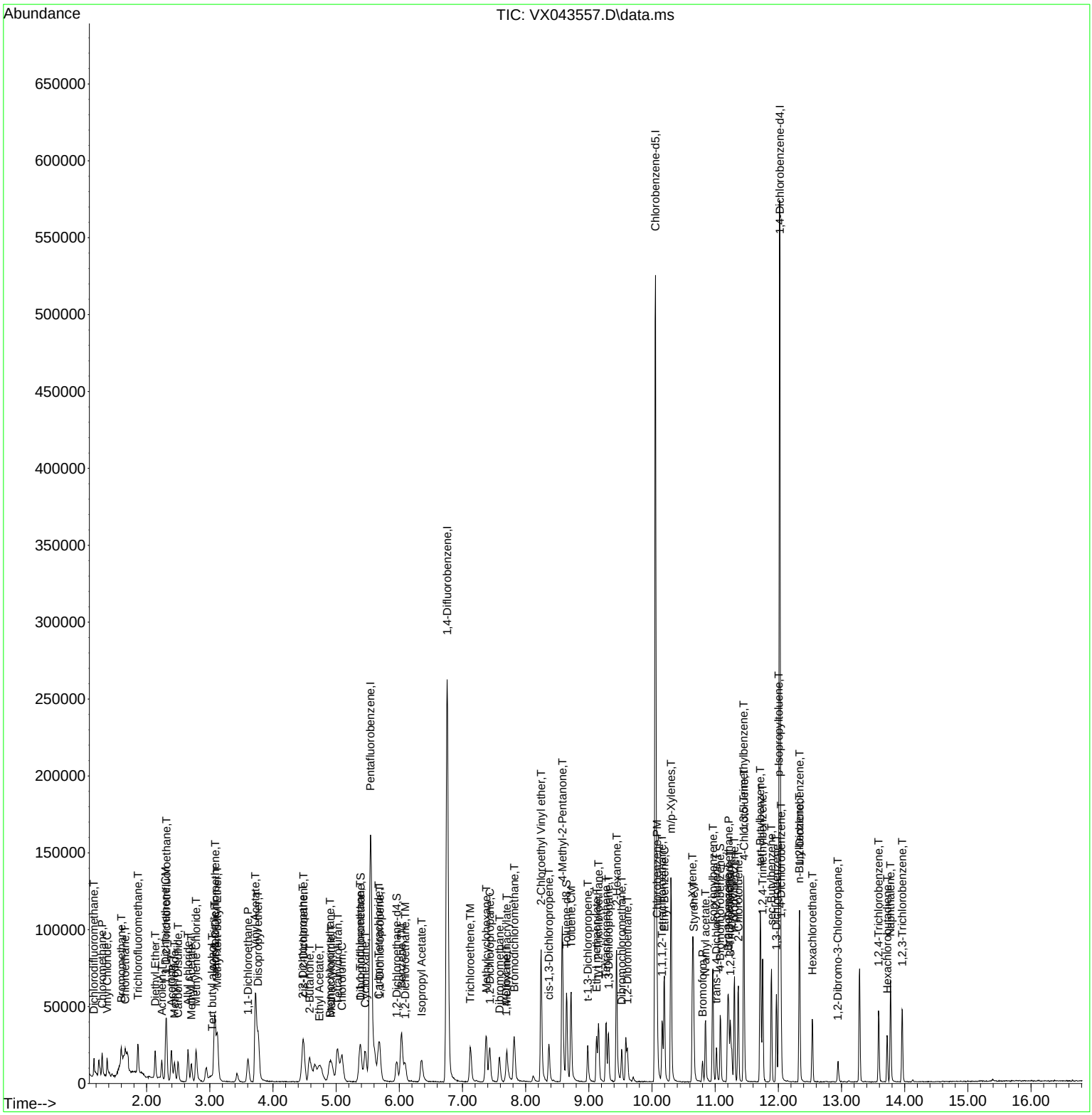
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	159966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	291315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	119710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	50818	20.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.060%#		
35) Dibromofluoromethane	5.385	113	39238	20.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.460%#		
50) Toluene-d8	8.647	98	140572	20.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.800%#		
62) 4-Bromofluorobenzene	11.079	95	50243	20.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.900%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35334	19.816	ug/l	97
3) Chloromethane	1.294	50	43361	19.061	ug/l	99
4) Vinyl Chloride	1.374	62	40804	19.692	ug/l	99
5) Bromomethane	1.599	94	15764	19.478	ug/l	94
6) Chloroethane	1.666	64	13552	19.988	ug/l	100
7) Trichlorofluoromethane	1.861	101	45410	16.698	ug/l	99
8) Diethyl Ether	2.136	74	22721	19.128	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	33400	19.458	ug/l	98
10) Methyl Iodide	2.441	142	48753	20.510	ug/l	97
11) Tert butyl alcohol	3.050	59	42004m	77.502	ug/l	
12) 1,1-Dichloroethene	2.300	96	33343	19.757	ug/l	98
13) Acrolein	2.239	56	38776	90.794	ug/l	99
14) Allyl chloride	2.654	41	57560	19.220	ug/l	99
15) Acrylonitrile	3.075	53	105959	88.256	ug/l	98
16) Acetone	2.398	43	93987	86.771	ug/l	99
17) Carbon Disulfide	2.495	76	64452	18.450	ug/l	100
18) Methyl Acetate	2.709	43	56319	17.301	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	130430	19.863	ug/l	96
20) Methylene Chloride	2.782	84	42392	20.027	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	36925	20.210	ug/l	97
22) Diisopropyl ether	3.770	45	126839	20.521	ug/l	93
23) Vinyl Acetate	3.721	43	514244	100.709	ug/l	99
24) 1,1-Dichloroethane	3.605	63	70569	20.241	ug/l	98
25) 2-Butanone	4.574	43	146114	88.817	ug/l	98
26) 2,2-Dichloropropane	4.465	77	57622	22.931	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	45798	20.118	ug/l	99
28) Bromochloromethane	4.897	49	33980	19.701	ug/l	100
29) Tetrahydrofuran	5.013	42	95553	88.955	ug/l	100
30) Chloroform	5.086	83	74554	19.996	ug/l	95
31) Cyclohexane	5.464	56	56622	20.469	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62556	19.966	ug/l	98
36) 1,1-Dichloropropene	5.684	75	47520	20.699	ug/l	99
37) Ethyl Acetate	4.727	43	58054	18.528	ug/l	100
38) Carbon Tetrachloride	5.666	117	49282	18.891	ug/l	96
39) Methylcyclohexane	7.373	83	59999	20.379	ug/l	98
40) Benzene	6.031	78	161123	20.995	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	30325	19.241	ug/l		95
42) 1,2-Dichloroethane	6.086	62	58281	20.645	ug/l		99
43) Isopropyl Acetate	6.348	43	92676	18.698	ug/l		98
44) Trichloroethene	7.123	130	39344	21.623	ug/l		94
45) 1,2-Dichloropropane	7.427	63	37857	20.200	ug/l		93
46) Dibromomethane	7.580	93	30097	20.905	ug/l		99
47) Bromodichloromethane	7.824	83	50694	19.849	ug/l		100
48) Methyl methacrylate	7.696	41	45592	19.703	ug/l		99
49) 1,4-Dioxane	7.683	88	15361	258.381	ug/l	#	75
51) 4-Methyl-2-Pentanone	8.580	43	295125	93.974	ug/l		100
52) Toluene	8.720	92	100958	21.337	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	56483	21.853	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	62338	21.962	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	40197	20.132	ug/l		99
56) Ethyl methacrylate	9.116	69	65359	20.255	ug/l		97
57) 1,3-Dichloropropane	9.305	76	68675	20.831	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	167179	105.324	ug/l		98
59) 2-Hexanone	9.433	43	221604	93.320	ug/l		100
60) Dibromochloromethane	9.519	129	38713	20.721	ug/l		99
61) 1,2-Dibromoethane	9.610	107	42059	20.896	ug/l		97
64) Tetrachloroethene	9.269	164	33267	20.871	ug/l		90
65) Chlorobenzene	10.079	112	110251	20.814	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	35663	19.934	ug/l		98
67) Ethyl Benzene	10.189	91	183192	20.790	ug/l		98
68) m/p-Xylenes	10.299	106	144291	43.222	ug/l		96
69) o-Xylene	10.640	106	71049	20.704	ug/l		98
70) Styrene	10.652	104	119564	21.527	ug/l		100
71) Bromoform	10.799	173	23453	19.445	ug/l	#	98
73) Isopropylbenzene	10.963	105	177401	20.733	ug/l		99
74) N-amyl acetate	10.841	43	83132	19.288	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	63016	19.225	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	55850m	20.069	ug/l		
77) Bromobenzene	11.195	156	44364	20.310	ug/l		98
78) n-propylbenzene	11.305	91	194707	21.351	ug/l		100
79) 2-Chlorotoluene	11.366	91	126983	20.753	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	149254	21.008	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	17057	18.703	ug/l		96
82) 4-Chlorotoluene	11.451	91	140875	20.804	ug/l		98
83) tert-Butylbenzene	11.713	119	150766	20.809	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	152608	21.002	ug/l		99
85) sec-Butylbenzene	11.890	105	178042	21.218	ug/l		98
86) p-Isopropyltoluene	12.006	119	149537	21.511	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	78867	20.122	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	81095	20.525	ug/l		99
89) n-Butylbenzene	12.329	91	120461	21.375	ug/l		99
90) Hexachloroethane	12.536	117	22769	20.246	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	81283	20.112	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	17.603	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	47851	20.219	ug/l		99
94) Hexachlorobutadiene	13.725	225	18082	21.589	ug/l		97
95) Naphthalene	13.774	128	191837	19.754	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	51568	20.826	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 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

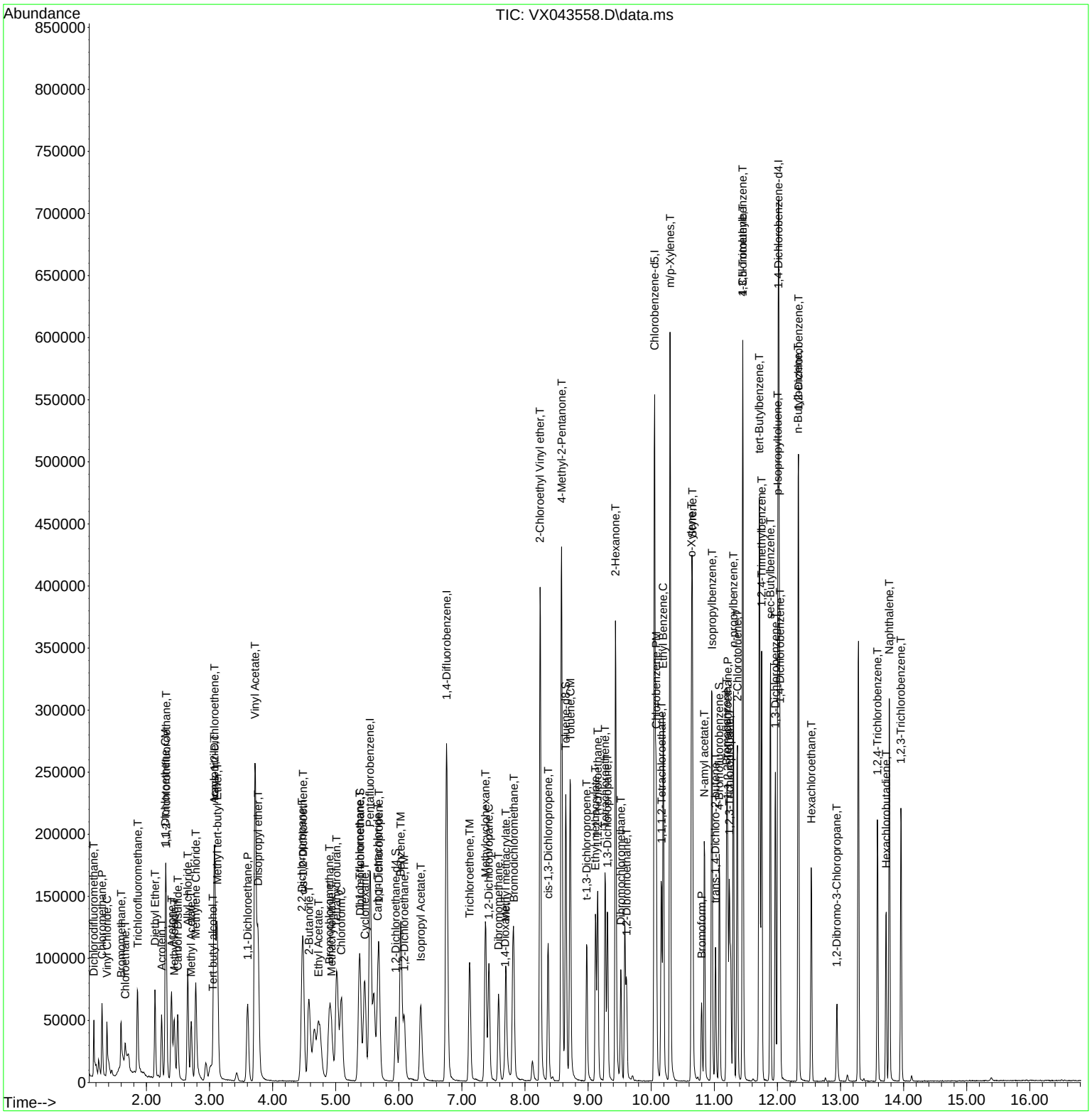
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	148919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116854	49.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.940%			
35) Dibromofluoromethane	5.379	113	91079	50.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	8.647	98	318252	50.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	120225	52.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	75417	45.433	ug/l	96
3) Chloromethane	1.294	50	96896	45.755	ug/l	99
4) Vinyl Chloride	1.374	62	94488	48.982	ug/l	99
5) Bromomethane	1.593	94	38969	51.722	ug/l	98
6) Chloroethane	1.666	64	33540	53.137	ug/l	99
7) Trichlorofluoromethane	1.867	101	116013	45.825	ug/l	98
8) Diethyl Ether	2.136	74	52937	47.871	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	78193	48.932	ug/l	99
10) Methyl Iodide	2.440	142	116521	52.655	ug/l	99
11) Tert butyl alcohol	3.014	59	116081m	230.069	ug/l	
12) 1,1-Dichloroethene	2.306	96	79758	50.765	ug/l	93
13) Acrolein	2.239	56	80960	203.631	ug/l	98
14) Allyl chloride	2.654	41	141976	50.925	ug/l	98
15) Acrylonitrile	3.068	53	259325	232.022	ug/l	100
16) Acetone	2.392	43	232587	230.659	ug/l	100
17) Carbon Disulfide	2.501	76	168807	51.908	ug/l	100
18) Methyl Acetate	2.709	43	137905	45.505	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	309762	50.673	ug/l	98
20) Methylene Chloride	2.782	84	98700	50.086	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	83735	49.229	ug/l	98
22) Diisopropyl ether	3.763	45	290506	50.487	ug/l	97
23) Vinyl Acetate	3.721	43	1256555	264.336	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165218	50.903	ug/l	98
25) 2-Butanone	4.568	43	359526	234.753	ug/l	100
26) 2,2-Dichloropropane	4.465	77	132434	56.613	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	110158	51.979	ug/l	99
28) Bromochloromethane	4.897	49	75534	47.042	ug/l	98
29) Tetrahydrofuran	5.013	42	230616	230.617	ug/l	100
30) Chloroform	5.086	83	173217	49.905	ug/l	97
31) Cyclohexane	5.464	56	124896	48.500	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	146876	50.355	ug/l	98
36) 1,1-Dichloropropene	5.690	75	105059	49.233	ug/l	98
37) Ethyl Acetate	4.714	43	136901	47.008	ug/l	99
38) Carbon Tetrachloride	5.672	117	120318	49.620	ug/l	98
39) Methylcyclohexane	7.379	83	138062	50.451	ug/l	95
40) Benzene	6.031	78	366906	51.436	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73294	50.034	ug/l		96
42) 1,2-Dichloroethane	6.086	62	133953	51.050	ug/l		99
43) Isopropyl Acetate	6.342	43	226323	49.127	ug/l		99
44) Trichloroethene	7.123	130	91422	54.057	ug/l		91
45) 1,2-Dichloropropane	7.427	63	91389	52.464	ug/l		99
46) Dibromomethane	7.580	93	70386	52.600	ug/l		98
47) Bromodichloromethane	7.818	83	129022	54.350	ug/l		95
48) Methyl methacrylate	7.696	41	108981	50.670	ug/l		99
49) 1,4-Dioxane	7.671	88	44516	805.596	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	710786	243.501	ug/l		99
52) Toluene	8.714	92	227004	51.617	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	137951	57.422	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	147056	55.739	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	96225	51.848	ug/l		99
56) Ethyl methacrylate	9.116	69	159817	53.285	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159890	52.178	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	362792	245.903	ug/l		98
59) 2-Hexanone	9.433	43	541763	245.453	ug/l		99
60) Dibromochloromethane	9.518	129	99435	57.260	ug/l		99
61) 1,2-Dibromoethane	9.610	107	99405	53.133	ug/l		98
64) Tetrachloroethene	9.275	164	73551	49.296	ug/l		94
65) Chlorobenzene	10.079	112	256218	51.676	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	88746	52.993	ug/l		99
67) Ethyl Benzene	10.195	91	423515	51.347	ug/l		98
68) m/p-Xylenes	10.299	106	329261	105.366	ug/l		98
69) o-Xylene	10.640	106	164266	51.137	ug/l		99
70) Styrene	10.652	104	281883	54.218	ug/l		99
71) Bromoform	10.799	173	65582	58.090	ug/l	#	99
73) Isopropylbenzene	10.963	105	408411	49.811	ug/l		100
74) N-amyl acetate	10.841	43	203333	49.234	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	148153	47.168	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	122864m	46.074	ug/l		
77) Bromobenzene	11.195	156	106088	50.684	ug/l		100
78) n-propylbenzene	11.305	91	457180	52.320	ug/l		99
79) 2-Chlorotoluene	11.366	91	288711	49.242	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	348498	51.192	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	47974	54.897	ug/l		95
82) 4-Chlorotoluene	11.451	91	331765	51.131	ug/l		97
83) tert-Butylbenzene	11.713	119	348856	50.250	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	355522	51.061	ug/l		100
85) sec-Butylbenzene	11.890	105	417787	51.960	ug/l		100
86) p-Isopropyltoluene	12.006	119	358049	53.750	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	188818	50.274	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	189658	50.095	ug/l		100
89) n-Butylbenzene	12.329	91	299842	55.523	ug/l		100
90) Hexachloroethane	12.536	117	59554	55.265	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	198010	51.130	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32185	48.159	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	123940	54.653	ug/l		99
94) Hexachlorobutadiene	13.725	225	42766	53.286	ug/l		97
95) Naphthalene	13.774	128	473262	50.857	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	126296	53.229	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 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

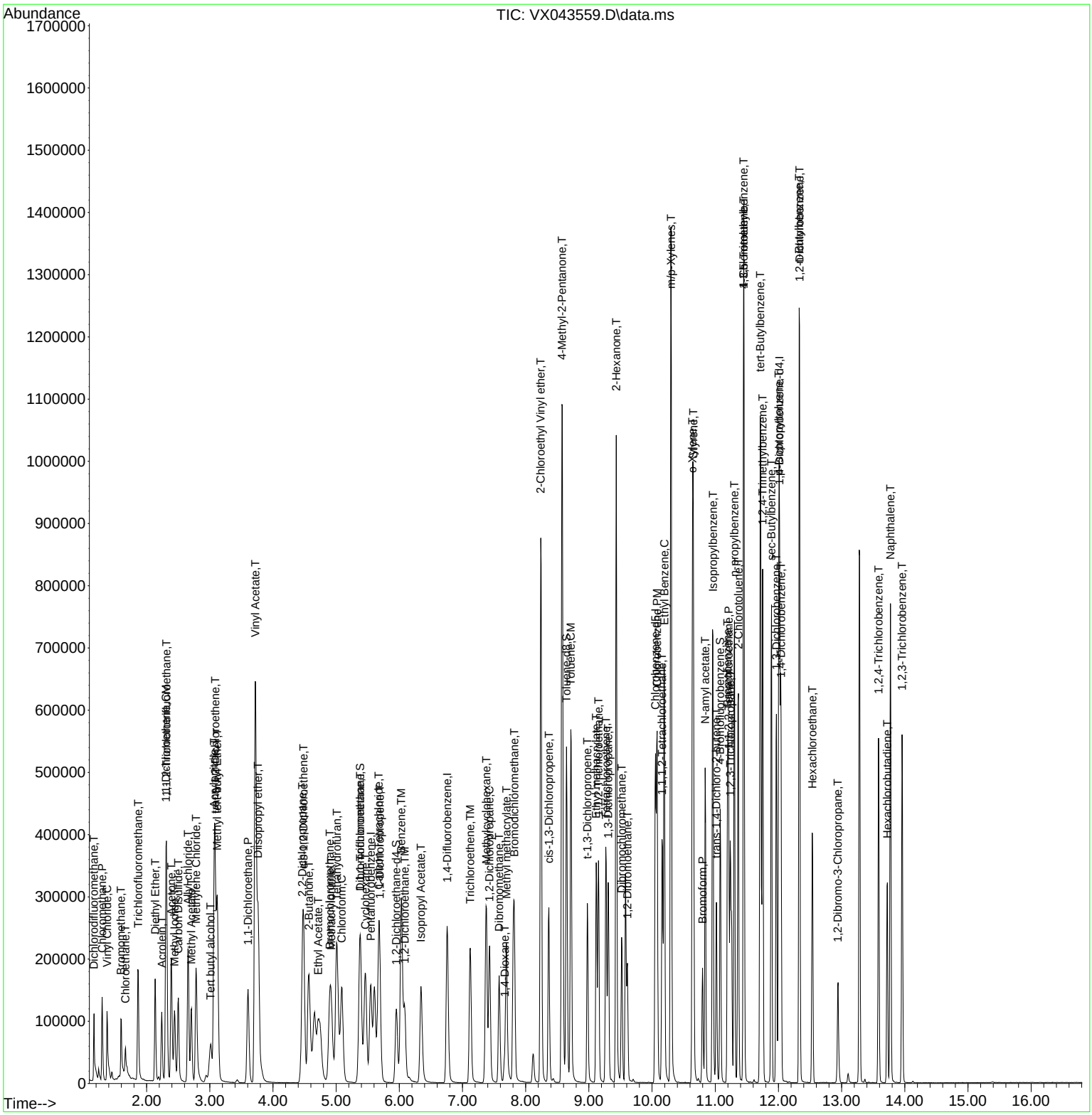
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	222471	97.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.340%#			
35) Dibromofluoromethane	5.379	113	181437	102.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.240%#			
50) Toluene-d8	8.647	98	615421	100.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.780%#			
62) 4-Bromofluorobenzene	11.079	95	233193	104.146	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 208.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	150686	93.662	ug/l	95
3) Chloromethane	1.294	50	191165	93.138	ug/l	99
4) Vinyl Chloride	1.374	62	185746	99.351	ug/l	99
5) Bromomethane	1.593	94	75100	102.844	ug/l	99
6) Chloroethane	1.660	64	62560	102.264	ug/l	97
7) Trichlorofluoromethane	1.861	101	244340	99.580	ug/l	99
8) Diethyl Ether	2.136	74	109025	101.725	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	155594	100.462	ug/l	98
10) Methyl Iodide	2.440	142	227894	106.257	ug/l	99
11) Tert butyl alcohol	3.038	59	245468	501.973	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	160565	105.446	ug/l	96
13) Acrolein	2.239	56	168697	437.793	ug/l	99
14) Allyl chloride	2.654	41	289621	107.186	ug/l	97
15) Acrylonitrile	3.068	53	518888	479.012	ug/l	100
16) Acetone	2.392	43	452601	463.114	ug/l	100
17) Carbon Disulfide	2.495	76	378228	120.001	ug/l	100
18) Methyl Acetate	2.709	43	272708	92.847	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	602114	101.628	ug/l	99
20) Methylene Chloride	2.782	84	191848	100.449	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	171404	103.973	ug/l	97
22) Diisopropyl ether	3.763	45	560616	100.525	ug/l	94
23) Vinyl Acetate	3.721	43	2462441	534.476	ug/l	98
24) 1,1-Dichloroethane	3.605	63	327525	104.117	ug/l	99
25) 2-Butanone	4.562	43	698547	470.613	ug/l	98
26) 2,2-Dichloropropane	4.471	77	267036	117.781	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	215682	105.006	ug/l	99
28) Bromochloromethane	4.897	49	157450	101.175	ug/l	99
29) Tetrahydrofuran	5.013	42	449999	464.302	ug/l	99
30) Chloroform	5.092	83	336574	100.052	ug/l	98
31) Cyclohexane	5.458	56	247431	99.138	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	294454	104.159	ug/l	99
36) 1,1-Dichloropropene	5.684	75	212326	101.472	ug/l	98
37) Ethyl Acetate	4.714	43	266903	93.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	246999	103.882	ug/l	100
39) Methylcyclohexane	7.373	83	272092	101.398	ug/l	98
40) Benzene	6.031	78	707594	101.161	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	143117	99.633	ug/l		96
42) 1,2-Dichloroethane	6.086	62	259548	100.874	ug/l		100
43) Isopropyl Acetate	6.342	43	448588	99.301	ug/l		99
44) Trichloroethene	7.123	130	180958	109.118	ug/l		96
45) 1,2-Dichloropropane	7.427	63	176748	103.475	ug/l		99
46) Dibromomethane	7.580	93	138874	105.836	ug/l		99
47) Bromodichloromethane	7.818	83	262652	112.832	ug/l		97
48) Methyl methacrylate	7.696	41	218800	103.744	ug/l		99
49) 1,4-Dioxane	7.677	88	102152	1885.231	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1374233	480.107	ug/l		99
52) Toluene	8.714	92	441311	102.334	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	279431	118.617	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	297464	114.982	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	183182	100.657	ug/l		99
56) Ethyl methacrylate	9.116	69	312479	106.248	ug/l		96
57) 1,3-Dichloropropane	9.305	76	305650	101.720	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	741765	512.729	ug/l		98
59) 2-Hexanone	9.433	43	1039956	480.496	ug/l		98
60) Dibromochloromethane	9.518	129	205615	120.749	ug/l		99
61) 1,2-Dibromoethane	9.610	107	196009	106.844	ug/l		97
64) Tetrachloroethene	9.269	164	142187	98.420	ug/l		99
65) Chlorobenzene	10.079	112	498984	103.935	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	175902	108.478	ug/l		99
67) Ethyl Benzene	10.195	91	828264	103.708	ug/l		100
68) m/p-Xylenes	10.299	106	638308	210.954	ug/l		97
69) o-Xylene	10.640	106	322030	103.533	ug/l		98
70) Styrene	10.652	104	548708	108.997	ug/l		99
71) Bromoform	10.799	173	140298	128.340	ug/l	#	99
73) Isopropylbenzene	10.963	105	796019	99.313	ug/l		100
74) N-amyl acetate	10.841	43	398918	98.808	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	286258	93.228	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	233884m	89.719	ug/l		
77) Bromobenzene	11.195	156	206774	101.054	ug/l		99
78) n-propylbenzene	11.305	91	894162	104.676	ug/l		99
79) 2-Chlorotoluene	11.366	91	560554	97.800	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	669305	100.572	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	100171	117.256	ug/l		90
82) 4-Chlorotoluene	11.451	91	647524	102.085	ug/l		98
83) tert-Butylbenzene	11.713	119	688015	101.376	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	684269	100.532	ug/l		99
85) sec-Butylbenzene	11.890	105	808247	102.828	ug/l		98
86) p-Isopropyltoluene	12.006	119	703703	108.063	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	370986	101.044	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	371529	100.386	ug/l		99
89) n-Butylbenzene	12.329	91	602601	114.147	ug/l		99
90) Hexachloroethane	12.536	117	125658	119.283	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	375640	99.223	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	65340	100.012	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	246552	111.215	ug/l		100
94) Hexachlorobutadiene	13.725	225	87749	111.843	ug/l		98
95) Naphthalene	13.774	128	948508	104.267	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	256915	110.764	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 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

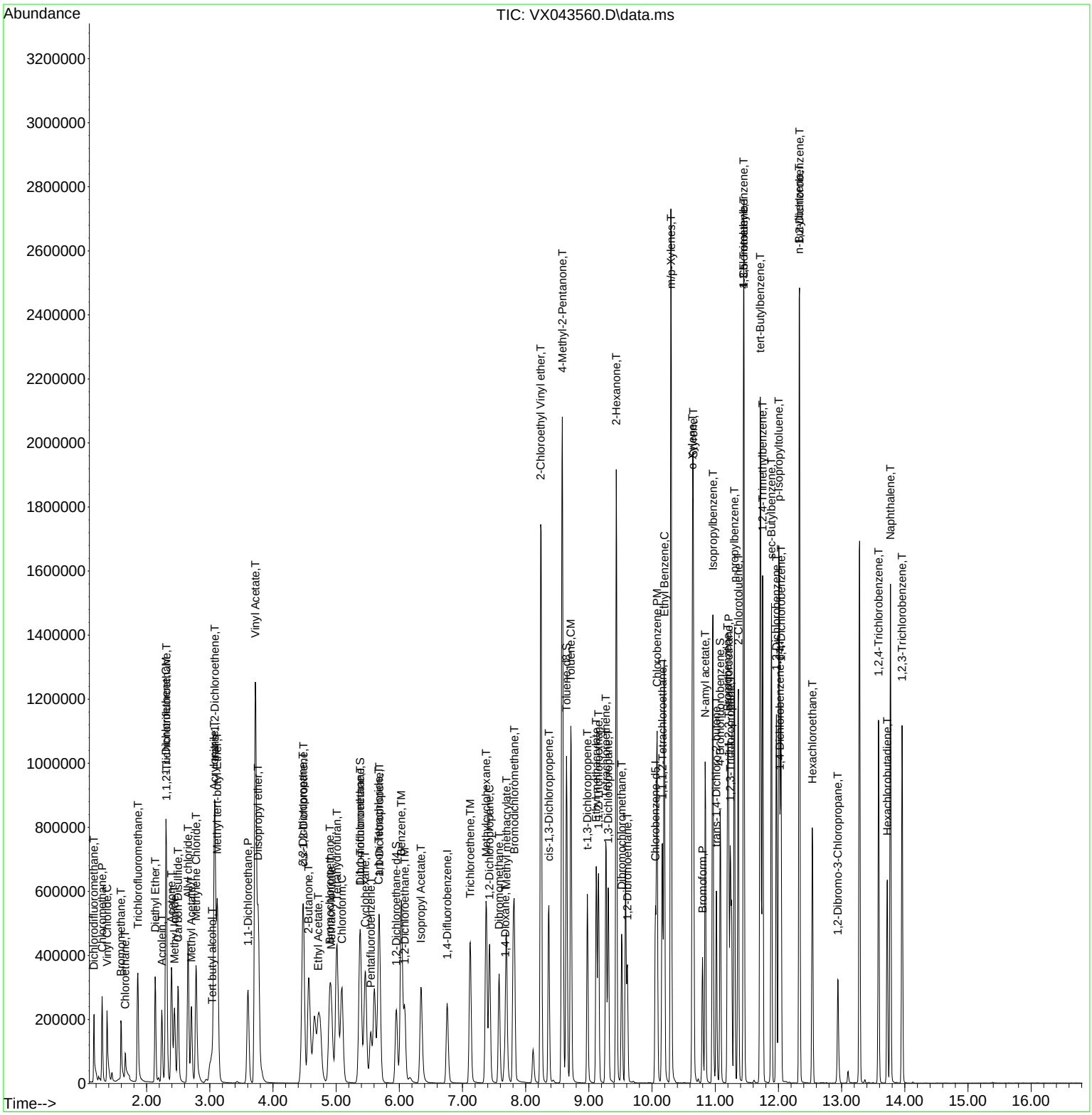
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	318806	138.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 277.940%#			
35) Dibromofluoromethane	5.385	113	256339	145.381	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 290.760%#			
50) Toluene-d8	8.647	98	851731	139.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 278.620%#			
62) 4-Bromofluorobenzene	11.079	95	329323	147.475	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 294.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	210421	130.533	ug/l	99
3) Chloromethane	1.295	50	265669	129.182	ug/l	100
4) Vinyl Chloride	1.374	62	256442	136.893	ug/l	98
5) Bromomethane	1.593	94	112014	153.092	ug/l	95
6) Chloroethane	1.660	64	90954	148.384	ug/l	100
7) Trichlorofluoromethane	1.861	101	310596	126.333	ug/l	100
8) Diethyl Ether	2.136	74	151359	140.945	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	212838	137.151	ug/l	99
10) Methyl Iodide	2.441	142	315072	146.614	ug/l	98
11) Tert butyl alcohol	3.026	59	337112	688.018	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	222500	145.831	ug/l	96
13) Acrolein	2.239	56	241097	624.444	ug/l	98
14) Allyl chloride	2.654	41	395090	145.930	ug/l	98
15) Acrylonitrile	3.069	53	736707	678.747	ug/l	99
16) Acetone	2.392	43	639840	653.408	ug/l	99
17) Carbon Disulfide	2.495	76	532448	168.596	ug/l	99
18) Methyl Acetate	2.709	43	392340	133.313	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	867383	146.111	ug/l	97
20) Methylene Chloride	2.782	84	274424	143.401	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	236759	143.334	ug/l	97
22) Diisopropyl ether	3.764	45	790777	141.515	ug/l	96
23) Vinyl Acetate	3.721	43	3509530	760.241	ug/l	99
24) 1,1-Dichloroethane	3.605	63	454844	144.305	ug/l	99
25) 2-Butanone	4.568	43	995055	669.046	ug/l	99
26) 2,2-Dichloropropane	4.471	77	367692	161.856	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	306808	149.076	ug/l	98
28) Bromochloromethane	4.898	49	223906	143.593	ug/l	99
29) Tetrahydrofuran	5.013	42	639748	658.777	ug/l	99
30) Chloroform	5.093	83	471770	139.964	ug/l	99
31) Cyclohexane	5.458	56	333317	133.285	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	407373	143.818	ug/l	99
36) 1,1-Dichloropropene	5.684	75	292944	140.377	ug/l	99
37) Ethyl Acetate	4.721	43	384683	135.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	340536	143.607	ug/l	98
39) Methylcyclohexane	7.379	83	375923	140.469	ug/l	98
40) Benzene	6.031	78	989523	141.848	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	203044	141.732	ug/l		96
42) 1,2-Dichloroethane	6.086	62	370244	144.284	ug/l		99
43) Isopropyl Acetate	6.342	43	646810	143.566	ug/l		99
44) Trichloroethene	7.123	130	251726	152.200	ug/l		96
45) 1,2-Dichloropropane	7.428	63	254281	149.267	ug/l		99
46) Dibromomethane	7.580	93	200317	153.073	ug/l		98
47) Bromodichloromethane	7.818	83	379264	163.366	ug/l		99
48) Methyl methacrylate	7.696	41	320841	152.537	ug/l		98
49) 1,4-Dioxane	7.671	88	113004	2091.122	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1948870	682.697	ug/l		99
52) Toluene	8.714	92	611241	142.120	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	405296	172.509	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	426054	165.131	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	259723	143.100	ug/l		99
56) Ethyl methacrylate	9.116	69	449693	153.315	ug/l		97
57) 1,3-Dichloropropane	9.305	76	437811	146.096	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1091414	756.448	ug/l		98
59) 2-Hexanone	9.433	43	1462736	677.655	ug/l		98
60) Dibromochloromethane	9.519	129	299138	176.144	ug/l		99
61) 1,2-Dibromoethane	9.610	107	275091	150.355	ug/l		99
64) Tetrachloroethene	9.269	164	198596	136.289	ug/l		95
65) Chlorobenzene	10.080	112	703451	145.269	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	250797	153.341	ug/l		100
67) Ethyl Benzene	10.195	91	1141257	141.675	ug/l		100
68) m/p-Xylenes	10.299	106	878867	287.969	ug/l		97
69) o-Xylene	10.640	106	450386	143.559	ug/l		98
70) Styrene	10.653	104	777762	153.173	ug/l		100
71) Bromoform	10.799	173	207497	188.187	ug/l	#	97
73) Isopropylbenzene	10.964	105	1088275	135.577	ug/l		99
74) N-amyl acetate	10.842	43	575386	142.309	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	402017	130.738	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	335384m	128.467	ug/l		
77) Bromobenzene	11.195	156	285385	139.269	ug/l		98
78) n-propylbenzene	11.305	91	1224689	143.160	ug/l		99
79) 2-Chlorotoluene	11.366	91	773459	134.748	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	914265	137.180	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	145480	170.044	ug/l		91
82) 4-Chlorotoluene	11.451	91	893567	140.669	ug/l		97
83) tert-Butylbenzene	11.713	119	935627	137.660	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	953082	139.821	ug/l		100
85) sec-Butylbenzene	11.890	105	1112980	141.391	ug/l		98
86) p-Isopropyltoluene	12.006	119	958987	147.051	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	521523	141.838	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	522586	140.994	ug/l		99
89) n-Butylbenzene	12.329	91	830990	157.180	ug/l		99
90) Hexachloroethane	12.536	117	179474	170.120	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	534157	140.889	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	94746	144.811	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	354426	159.641	ug/l		99
94) Hexachlorobutadiene	13.725	225	118245	150.492	ug/l		98
95) Naphthalene	13.774	128	1350122	148.198	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	363960	156.686	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

ICAL Form

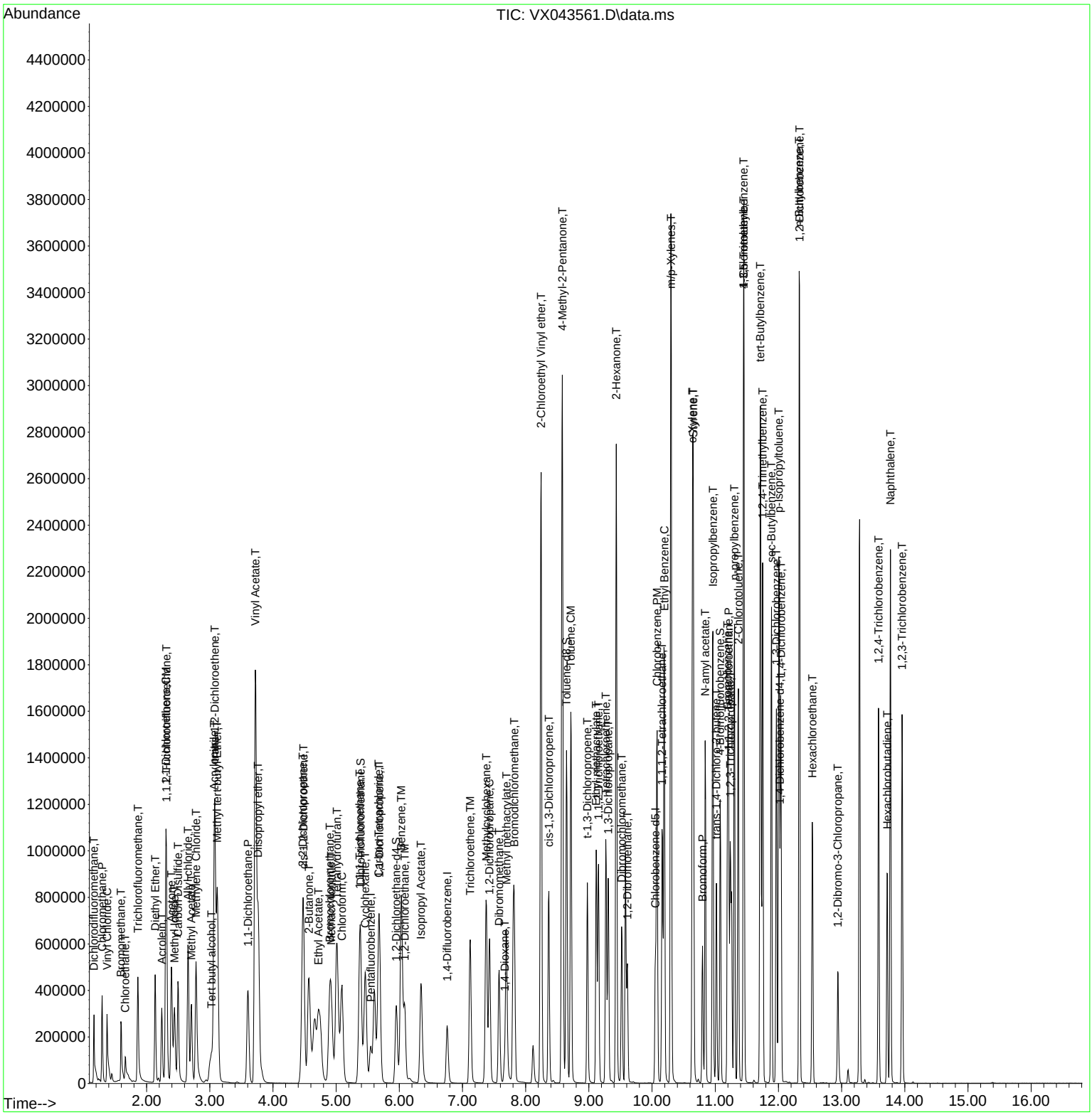
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	179424	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	320605	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	273282	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130429	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	130207	45.512	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.020%				
35) Dibromofluoromethane	5.385	113	103607	47.657	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.320%				
50) Toluene-d8	8.647	98	364696	48.461	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.920%				
62) 4-Bromofluorobenzene	11.079	95	134767	48.327	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.660%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	81674	42.565	ug/l		94
3) Chloromethane	1.294	50	101631	41.434	ug/l		99
4) Vinyl Chloride	1.374	62	99612	43.758	ug/l		96
5) Bromomethane	1.593	94	38610	41.604	ug/l		98
6) Chloroethane	1.660	64	32071	39.988	ug/l		96
7) Trichlorofluoromethane	1.855	101	128270	46.124	ug/l		96
8) Diethyl Ether	2.136	74	55490	43.186	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.306	101	83899	44.609	ug/l		98
10) Methyl Iodide	2.441	142	121643	44.767	ug/l		99
11) Tert butyl alcohol	3.044	59	122504	229.410	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	86406	44.957	ug/l		95
13) Acrolein	2.239	56	91162	218.298	ug/l		99
14) Allyl chloride	2.654	41	151352	45.529	ug/l		99
15) Acrylonitrile	3.069	53	266930	221.401	ug/l		98
16) Acetone	2.398	43	254666	224.158	ug/l		99
17) Carbon Disulfide	2.495	76	190995	47.524	ug/l		99
18) Methyl Acetate	2.709	43	140984	42.460	ug/l		98
19) Methyl tert-butyl Ether	3.123	73	317078	43.380	ug/l		97
20) Methylene Chloride	2.782	84	101646	41.513	ug/l		98
21) trans-1,2-Dichloroethene	3.081	96	89643	44.148	ug/l		96
22) Diisopropyl ether	3.764	45	300804	43.777	ug/l		97
23) Vinyl Acetate	3.721	43	1302117	229.380	ug/l		99
24) 1,1-Dichloroethane	3.605	63	172319	43.633	ug/l		100
25) 2-Butanone	4.568	43	368994	222.655	ug/l		100
26) 2,2-Dichloropropane	4.465	77	148949	46.075	ug/l		100
27) cis-1,2-Dichloroethene	4.483	96	113181	43.635	ug/l		98
28) Bromochloromethane	4.891	49	80045	42.606	ug/l		99
29) Tetrahydrofuran	5.007	42	235105	218.299	ug/l		99
30) Chloroform	5.086	83	180585	43.621	ug/l		95
31) Cyclohexane	5.458	56	133601	44.229	ug/l		99
32) 1,1,1-Trichloroethane	5.379	97	157829	45.409	ug/l		99
36) 1,1-Dichloropropene	5.684	75	115808	44.924	ug/l		99
37) Ethyl Acetate	4.721	43	146662	46.862	ug/l		99
38) Carbon Tetrachloride	5.672	117	131275	46.088	ug/l		98
39) Methylcyclohexane	7.373	83	146003	45.618	ug/l		97
40) Benzene	6.031	78	379529	44.132	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73439	44.704	ug/l		94
42) 1,2-Dichloroethane	6.080	62	137504	44.475	ug/l		99
43) Isopropyl Acetate	6.342	43	233162	45.049	ug/l		99
44) Trichloroethene	7.123	130	95769	44.826	ug/l		95
45) 1,2-Dichloropropane	7.428	63	94807	44.772	ug/l		98
46) Dibromomethane	7.580	93	71516	43.863	ug/l		98
47) Bromodichloromethane	7.818	83	134816	47.134	ug/l		100
48) Methyl methacrylate	7.696	41	113455	46.235	ug/l		100
49) 1,4-Dioxane	7.677	88	52802	1047.352	ug/l		98
51) 4-Methyl-2-Pentanone	8.580	43	723604	229.383	ug/l		99
52) Toluene	8.714	92	239913	46.000	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	143840	46.821	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	156936	47.945	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	97965	45.125	ug/l		99
56) Ethyl methacrylate	9.116	69	161309	45.728	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159880	44.279	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	384698	225.175	ug/l		98
59) 2-Hexanone	9.433	43	551262	230.086	ug/l		99
60) Dibromochloromethane	9.519	129	104046	48.399	ug/l		99
61) 1,2-Dibromoethane	9.610	107	101053	44.841	ug/l		99
64) Tetrachloroethene	9.269	164	78661	45.765	ug/l		96
65) Chlorobenzene	10.079	112	267388	45.479	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	93224	48.543	ug/l		99
67) Ethyl Benzene	10.189	91	450377	46.977	ug/l		97
68) m/p-Xylenes	10.299	106	349227	95.253	ug/l		97
69) o-Xylene	10.640	106	175059	47.523	ug/l		99
70) Styrene	10.653	104	294680	48.130	ug/l		99
71) Bromoform	10.799	173	69053	50.009	ug/l	#	98
73) Isopropylbenzene	10.963	105	434285	47.005	ug/l		100
74) N-amyl acetate	10.842	43	212192	47.145	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	151871	45.712	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	123473m	44.275	ug/l		
77) Bromobenzene	11.195	156	108482	45.472	ug/l		100
78) n-propylbenzene	11.305	91	480204	47.669	ug/l		99
79) 2-Chlorotoluene	11.360	91	303930	45.500	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	369790	48.003	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	49799	49.126	ug/l		94
82) 4-Chlorotoluene	11.451	91	348692	46.508	ug/l		97
83) tert-Butylbenzene	11.713	119	375497	47.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	372516	47.450	ug/l		99
85) sec-Butylbenzene	11.890	105	444311	48.384	ug/l		99
86) p-Isopropyltoluene	12.006	119	377100	48.310	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	196597	45.977	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	197418	44.556	ug/l		100
89) n-Butylbenzene	12.329	91	317946	49.987	ug/l		100
90) Hexachloroethane	12.536	117	64443	50.825	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	200702	45.901	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32952	48.652	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	127790	48.149	ug/l		100
94) Hexachlorobutadiene	13.725	225	46538	47.558	ug/l		99
95) Naphthalene	13.774	128	491660	48.409	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	131581	47.022	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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

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Quant Title : SW846 8260
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Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
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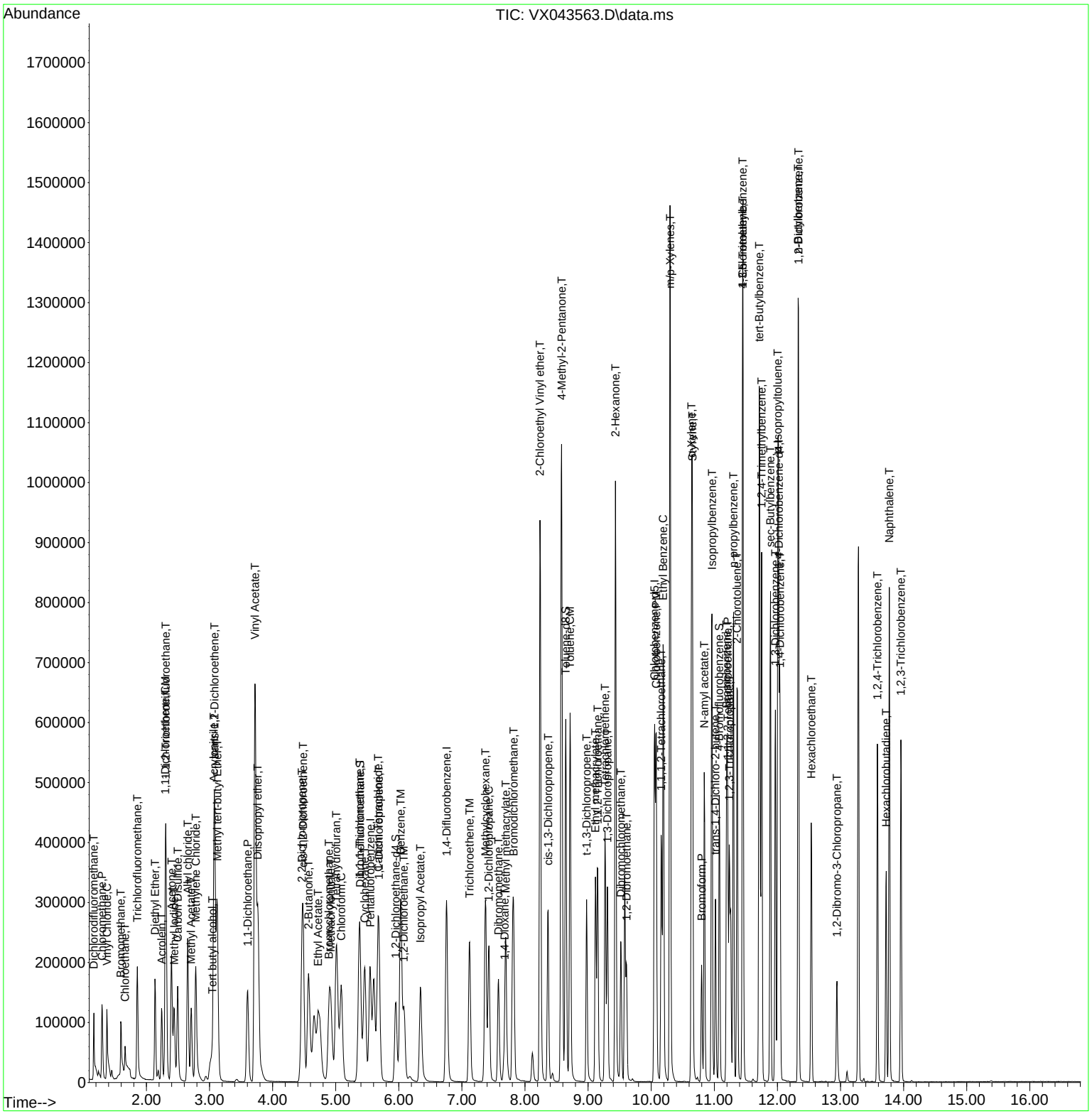

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	120	0.00
2	T	Dichlorodifluoromethane	0.535	0.455	15.0	108	0.00
3	P	Chloromethane	0.684	0.566	17.3	105	0.00
4	C	Vinyl Chloride	0.634	0.555	12.5#	105	0.00
5	T	Bromomethane	0.259	0.215	17.0	99	0.00
6	T	Chloroethane	0.223	0.179	19.7	96	0.00
7	T	Trichlorofluoromethane	0.775	0.715	7.7	111	0.00
8	T	Diethyl Ether	0.358	0.309	13.7	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.468	10.7	107	0.00
10	T	Methyl Iodide	0.757	0.678	10.4	104	0.00
11	T	Tert butyl alcohol	0.149	0.137	8.1	106	0.00
12	CM	1,1-Dichloroethene	0.536	0.482	10.1#	108	0.00
13	T	Acrolein	0.116	0.102	12.1	113	0.00
14	T	Allyl chloride	0.926	0.844	8.9	107	0.00
15	T	Acrylonitrile	0.336	0.298	11.3	103	0.00
16	T	Acetone	0.317	0.284	10.4	109	0.00
17	T	Carbon Disulfide	1.120	1.064	5.0	113	0.00
18	T	Methyl Acetate	0.925	0.786	15.0	102	0.00
19	T	Methyl tert-butyl Ether	2.037	1.767	13.3	102	0.00
20	T	Methylene Chloride	0.682	0.567	16.9	103	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.500	11.7	107	0.00
22	T	Diisopropyl ether	1.915	1.676	12.5	104	0.00
23	T	Vinyl Acetate	1.582	1.451	8.3	104	0.00
24	P	1,1-Dichloroethane	1.101	0.960	12.8	104	0.00
25	T	2-Butanone	0.462	0.411	11.0	103	0.00
26	T	2,2-Dichloropropane	0.901	0.830	7.9	112	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.631	12.7	103	0.00
28	T	Bromochloromethane	0.524	0.446	14.9	106	0.00
29	T	Tetrahydrofuran	0.300	0.262	12.7	102	0.00
30	C	Chloroform	1.154	1.006	12.8#	104	0.00
31	T	Cyclohexane	0.842	0.745	11.5	107	0.00
32	T	1,1,1-Trichloroethane	0.969	0.880	9.2	107	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.726	8.9	111	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
35	S	Dibromofluoromethane	0.339	0.323	4.7	114	0.00
36	T	1,1-Dichloropropene	0.402	0.361	10.2	110	0.00
37	T	Ethyl Acetate	0.488	0.457	6.4	107	0.00
38	T	Carbon Tetrachloride	0.444	0.409	7.9	109	0.00
39	T	Methylcyclohexane	0.499	0.455	8.8	106	0.00
40	TM	Benzene	1.341	1.184	11.7	103	0.00
41	T	Methacrylonitrile	0.256	0.229	10.5	100	0.00
42	TM	1,2-Dichloroethane	0.482	0.429	11.0	103	0.00
43	T	Isopropyl Acetate	0.807	0.727	9.9	103	0.00
44	TM	Trichloroethene	0.333	0.299	10.2	105	0.00
45	C	1,2-Dichloropropane	0.330	0.296	10.3#	104	0.00
46	T	Dibromomethane	0.254	0.223	12.2	102	0.00
47	T	Bromodichloromethane	0.446	0.421	5.6	104	0.00
48	T	Methyl methacrylate	0.383	0.354	7.6	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	0.008	0.008	0.0	119	0.00
50	S	Toluene-d8	1.174	1.138	3.1	115	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.451	8.3	102	0.00
52	CM	Toluene	0.813	0.748	8.0#	106	0.00
53	T	t-1,3-Dichloropropene	0.479	0.449	6.3	104	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.489	4.1	107	0.00
55	T	1,1,2-Trichloroethane	0.339	0.306	9.7	102	0.00
56	T	Ethyl methacrylate	0.550	0.503	8.5	101	0.00
57	T	1,3-Dichloropropane	0.563	0.499	11.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.240	9.8	106	0.00
59	T	2-Hexanone	0.374	0.344	8.0	102	0.00
60	T	Dibromochloromethane	0.335	0.325	3.0	105	0.00
61	T	1,2-Dibromoethane	0.351	0.315	10.3	102	0.00
62	S	4-Bromofluorobenzene	0.435	0.420	3.4	112	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
64	T	Tetrachloroethene	0.314	0.288	8.3	107	0.00
65	PM	Chlorobenzene	1.076	0.978	9.1	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.341	2.8	105	0.00
67	C	Ethyl Benzene	1.754	1.648	6.0#	106	0.00
68	T	m/p-Xylenes	0.671	0.639	4.8	106	0.00
69	T	o-Xylene	0.674	0.641	4.9	107	0.00
70	T	Styrene	1.120	1.078	3.8	105	0.00
71	P	Bromoform	0.253	0.253	0.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73	T	Isopropylbenzene	3.542	3.330	6.0	106	0.00
74	T	N-amyl acetate	1.725	1.627	5.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.164	8.6	103	0.00
76	T	1,2,3-Trichloropropane	1.069	0.947	11.4	100	0.00
77	T	Bromobenzene	0.915	0.832	9.1	102	0.00
78	T	n-propylbenzene	3.862	3.682	4.7	105	0.00
79	T	2-Chlorotoluene	2.561	2.330	9.0	105	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.835	4.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.382	1.8	104	0.00
82	T	4-Chlorotoluene	2.874	2.673	7.0	105	0.00
83	T	tert-Butylbenzene	3.003	2.879	4.1	108	0.00
84	T	1,2,4-Trimethylbenzene	3.010	2.856	5.1	105	0.00
85	T	sec-Butylbenzene	3.520	3.407	3.2	106	0.00
86	T	p-Isopropyltoluene	2.992	2.891	3.4	105	0.00
87	T	1,3-Dichlorobenzene	1.639	1.507	8.1	104	0.00
88	T	1,4-Dichlorobenzene	1.699	1.514	10.9	104	0.00
89	T	n-Butylbenzene	2.438	2.438	0.0	106	0.00
90	T	Hexachloroethane	0.486	0.494	-1.6	108	0.00
91	T	1,2-Dichlorobenzene	1.676	1.539	8.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.253	2.7	102	0.00
93	T	1,2,4-Trichlorobenzene	1.017	0.980	3.6	103	0.00
94	T	Hexachlorobutadiene	0.375	0.357	4.8	109	0.00
95	T	Naphthalene	3.893	3.770	3.2	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	1.073	1.009	6.0	104	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_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	120	0.00
2	T	Dichlorodifluoromethane	50.000	42.565	14.9	108	0.00
3	P	Chloromethane	50.000	41.434	17.1	105	0.00
4	C	Vinyl Chloride	50.000	43.758	12.5#	105	0.00
5	T	Bromomethane	50.000	41.604	16.8	99	0.00
6	T	Chloroethane	50.000	39.988	20.0	96	0.00
7	T	Trichlorofluoromethane	50.000	46.124	7.8	111	0.00
8	T	Diethyl Ether	50.000	43.186	13.6	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.609	10.8	107	0.00
10	T	Methyl Iodide	50.000	44.767	10.5	104	0.00
11	T	Tert butyl alcohol	250.000	229.410	8.2	106	0.00
12	CM	1,1-Dichloroethene	50.000	44.957	10.1#	108	0.00
13	T	Acrolein	250.000	218.298	12.7	113	0.00
14	T	Allyl chloride	50.000	45.529	8.9	107	0.00
15	T	Acrylonitrile	250.000	221.401	11.4	103	0.00
16	T	Acetone	250.000	224.158	10.3	109	0.00
17	T	Carbon Disulfide	50.000	47.524	5.0	113	0.00
18	T	Methyl Acetate	50.000	42.460	15.1	102	0.00
19	T	Methyl tert-butyl Ether	50.000	43.380	13.2	102	0.00
20	T	Methylene Chloride	50.000	41.513	17.0	103	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.148	11.7	107	0.00
22	T	Diisopropyl ether	50.000	43.777	12.4	104	0.00
23	T	Vinyl Acetate	250.000	229.380	8.2	104	0.00
24	P	1,1-Dichloroethane	50.000	43.633	12.7	104	0.00
25	T	2-Butanone	250.000	222.655	10.9	103	0.00
26	T	2,2-Dichloropropane	50.000	46.075	7.8	112	0.00
27	T	cis-1,2-Dichloroethene	50.000	43.635	12.7	103	0.00
28	T	Bromochloromethane	50.000	42.606	14.8	106	0.00
29	T	Tetrahydrofuran	250.000	218.299	12.7	102	0.00
30	C	Chloroform	50.000	43.621	12.8#	104	0.00
31	T	Cyclohexane	50.000	44.229	11.5	107	0.00
32	T	1,1,1-Trichloroethane	50.000	45.409	9.2	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.512	9.0	111	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	118	0.00
35	S	Dibromofluoromethane	50.000	47.657	4.7	114	0.00
36	T	1,1-Dichloropropene	50.000	44.924	10.2	110	0.00
37	T	Ethyl Acetate	50.000	46.862	6.3	107	0.00
38	T	Carbon Tetrachloride	50.000	46.088	7.8	109	0.00
39	T	Methylcyclohexane	50.000	45.618	8.8	106	0.00
40	TM	Benzene	50.000	44.132	11.7	103	0.00
41	T	Methacrylonitrile	50.000	44.704	10.6	100	0.00
42	TM	1,2-Dichloroethane	50.000	44.475	11.0	103	0.00
43	T	Isopropyl Acetate	50.000	45.049	9.9	103	0.00
44	TM	Trichloroethene	50.000	44.826	10.3	105	0.00
45	C	1,2-Dichloropropane	50.000	44.772	10.5#	104	0.00
46	T	Dibromomethane	50.000	43.863	12.3	102	0.00
47	T	Bromodichloromethane	50.000	47.134	5.7	104	0.00
48	T	Methyl methacrylate	50.000	46.235	7.5	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	1047.352	-4.7	119	0.00
50	S	Toluene-d8	50.000	48.461	3.1	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	229.383	8.2	102	0.00
52	CM	Toluene	50.000	46.000	8.0#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	46.821	6.4	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.945	4.1	107	0.00
55	T	1,1,2-Trichloroethane	50.000	45.125	9.8	102	0.00
56	T	Ethyl methacrylate	50.000	45.728	8.5	101	0.00
57	T	1,3-Dichloropropane	50.000	44.279	11.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.175	9.9	106	0.00
59	T	2-Hexanone	250.000	230.086	8.0	102	0.00
60	T	Dibromochloromethane	50.000	48.399	3.2	105	0.00
61	T	1,2-Dibromoethane	50.000	44.841	10.3	102	0.00
62	S	4-Bromofluorobenzene	50.000	48.327	3.3	112	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	115	0.00
64	T	Tetrachloroethene	50.000	45.765	8.5	107	0.00
65	PM	Chlorobenzene	50.000	45.479	9.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.543	2.9	105	0.00
67	C	Ethyl Benzene	50.000	46.977	6.0#	106	0.00
68	T	m/p-Xylenes	100.000	95.253	4.7	106	0.00
69	T	o-Xylene	50.000	47.523	5.0	107	0.00
70	T	Styrene	50.000	48.130	3.7	105	0.00
71	P	Bromoform	50.000	50.009	-0.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73	T	Isopropylbenzene	50.000	47.005	6.0	106	0.00
74	T	N-amyl acetate	50.000	47.145	5.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.712	8.6	103	0.00
76	T	1,2,3-Trichloropropane	50.000	44.275	11.5	100	0.00
77	T	Bromobenzene	50.000	45.472	9.1	102	0.00
78	T	n-propylbenzene	50.000	47.669	4.7	105	0.00
79	T	2-Chlorotoluene	50.000	45.500	9.0	105	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.003	4.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.126	1.7	104	0.00
82	T	4-Chlorotoluene	50.000	46.508	7.0	105	0.00
83	T	tert-Butylbenzene	50.000	47.929	4.1	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.450	5.1	105	0.00
85	T	sec-Butylbenzene	50.000	48.384	3.2	106	0.00
86	T	p-Isopropyltoluene	50.000	48.310	3.4	105	0.00
87	T	1,3-Dichlorobenzene	50.000	45.977	8.0	104	0.00
88	T	1,4-Dichlorobenzene	50.000	44.556	10.9	104	0.00
89	T	n-Butylbenzene	50.000	49.987	0.0	106	0.00
90	T	Hexachloroethane	50.000	50.825	-1.7	108	0.00
91	T	1,2-Dichlorobenzene	50.000	45.901	8.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.652	2.7	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.149	3.7	103	0.00
94	T	Hexachlorobutadiene	50.000	47.558	4.9	109	0.00
95	T	Naphthalene	50.000	48.409	3.2	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	47.022	6.0	104	0.00

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

Raw Data: **VX043610.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.: P4615 SAS No.: P4615 SDG No.: P4615

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 09:26

Lab File ID: VX043610.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.535	0.477		-10.8	20
Chloromethane	0.684	0.584	0.1	-14.6	20
Vinyl Chloride	0.634	0.571		-10	20
Bromomethane	0.259	0.237		-8.5	20
Chloroethane	0.223	0.203		-9.1	20
Trichlorofluoromethane	0.775	0.698		-10	20
1,1,2-Trichlorotrifluoroethane	0.524	0.507		-3.3	20
1,1-Dichloroethene	0.536	0.501		-6.4	20
Acetone	0.317	0.343		8.3	20
Carbon Disulfide	1.120	0.957		-14.6	20
Methyl tert-butyl Ether	2.037	1.972		-3.2	20
Methyl Acetate	0.925	0.882		-4.7	20
Methylene Chloride	0.682	0.636		-6.7	20
trans-1,2-Dichloroethene	0.566	0.534		-5.7	20
1,1-Dichloroethane	1.101	1.028	0.1	-6.5	20
Cyclohexane	0.842	0.762		-9.5	20
2-Butanone	0.462	0.468		1.3	20
Carbon Tetrachloride	0.444	0.405		-8.8	20
cis-1,2-Dichloroethene	0.723	0.716		-1	20
Bromochloromethane	0.524	0.533		1.8	20
Chloroform	1.154	1.104		-4.3	20
1,1,1-Trichloroethane	0.969	0.886		-8.6	20
Methylcyclohexane	0.499	0.481		-3.7	20
Benzene	1.341	1.280		-4.5	20
1,2-Dichloroethane	0.482	0.451		-6.5	20
Trichloroethene	0.333	0.323		-3	20
1,2-Dichloropropane	0.330	0.318		-3.7	20
Bromodichloromethane	0.446	0.457		2.5	20
4-Methyl-2-Pentanone	0.492	0.488		-0.8	20
Toluene	0.813	0.812		-0.2	20
t-1,3-Dichloropropene	0.479	0.489		2	20
cis-1,3-Dichloropropene	0.510	0.524		2.7	20
1,1,2-Trichloroethane	0.339	0.347		2.5	20
2-Hexanone	0.374	0.373		-0.1	20
Dibromochloromethane	0.335	0.357		6.6	20
1,2-Dibromoethane	0.351	0.354		0.6	20
Tetrachloroethene	0.314	0.299		-5	20
Chlorobenzene	1.076	1.032	0.3	-4	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.: P4615 SAS No.: P4615 SDG No.: P4615

Instrument ID: MSVOA_X Calibration Date/Time: 10/30/2024 09:26

Lab File ID: VX043610.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.754	1.649		-6	20
m/p-Xylenes	0.671	0.654		-2.6	20
o-Xylene	0.674	0.664		-1.4	20
Styrene	1.120	1.140		1.8	20
Bromoform	0.253	0.264	0.1	4.7	20
Isopropylbenzene	3.542	3.300		-6.8	20
1,1,2,2-Tetrachloroethane	1.274	1.220	0.3	-4.2	20
1,3-Dichlorobenzene	1.639	1.625		-0.8	20
1,4-Dichlorobenzene	1.699	1.622		-4.5	20
1,2-Dichlorobenzene	1.676	1.677		0.1	20
1,2-Dibromo-3-Chloropropane	0.260	0.246		-5.1	20
1,2,4-Trichlorobenzene	1.017	1.063		4.5	20
1,2,3-Trichlorobenzene	1.073	1.092		1.8	20
1,2-Dichloroethane-d4	0.797	0.748		-6.2	20
Dibromofluoromethane	0.339	0.352		3.9	20
Toluene-d8	1.174	1.213		3.4	20
4-Bromofluorobenzene	0.435	0.462		6.1	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_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	150073	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269353	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239151	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115673	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.946	65	112202	46.889 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.780%		
35) Dibromofluoromethane	5.379	113	94915	51.966 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.940%		
50) Toluene-d8	8.647	98	326824	51.692 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.380%		
62) 4-Bromofluorobenzene	11.079	95	124327	53.067 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.140%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	71574	44.596 ug/l	99
3) Chloromethane	1.294	50	87599	42.698 ug/l	98
4) Vinyl Chloride	1.374	62	85695	45.006 ug/l	99
5) Bromomethane	1.593	94	35512	45.750 ug/l	94
6) Chloroethane	1.660	64	30486	45.446 ug/l	99
7) Trichlorofluoromethane	1.861	101	104723	45.021 ug/l	99
8) Diethyl Ether	2.136	74	53489	49.770 ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	76076	48.361 ug/l	98
10) Methyl Iodide	2.441	142	108842	47.890 ug/l	97
11) Tert butyl alcohol	3.014	59	108451	242.814 ug/l #	100
12) 1,1-Dichloroethene	2.306	96	75194	46.775 ug/l	93
13) Acrolein	2.239	56	74024	211.927 ug/l	100
14) Allyl chloride	2.654	41	131287	47.217 ug/l	95
15) Acrylonitrile	3.068	53	252559	250.451 ug/l	99
16) Acetone	2.392	43	257260	270.728 ug/l	97
17) Carbon Disulfide	2.495	76	143574	42.711 ug/l	99
18) Methyl Acetate	2.703	43	132295	47.636 ug/l	99
19) Methyl tert-butyl Ether	3.117	73	295972	48.412 ug/l	98
20) Methylene Chloride	2.782	84	95520	46.641 ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	80110	47.169 ug/l	94
22) Diisopropyl ether	3.764	45	274400	47.745 ug/l	92
23) Vinyl Acetate	3.721	43	1179393	248.394 ug/l	99
24) 1,1-Dichloroethane	3.599	63	154349	46.726 ug/l	98
25) 2-Butanone	4.562	43	350984	253.209 ug/l	97
26) 2,2-Dichloropropane	4.465	77	128192	47.410 ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	107437	49.522 ug/l	96
28) Bromochloromethane	4.891	49	79972	50.892 ug/l	97
29) Tetrahydrofuran	5.007	42	216487	240.326 ug/l	97
30) Chloroform	5.086	83	165613	47.828 ug/l	100
31) Cyclohexane	5.458	56	114348	45.259 ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	132895	45.714 ug/l	99
36) 1,1-Dichloropropene	5.678	75	97077	44.823 ug/l	97
37) Ethyl Acetate	4.715	43	130909	49.788 ug/l	97
38) Carbon Tetrachloride	5.666	117	109072	45.579 ug/l	99
39) Methylcyclohexane	7.373	83	129506	48.163 ug/l	98
40) Benzene	6.031	78	344839	47.728 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	69757	50.543 ug/l	95
42) 1,2-Dichloroethane	6.080	62	121452	46.758 ug/l	97
43) Isopropyl Acetate	6.342	43	209353	48.146 ug/l	98
44) Trichloroethene	7.117	130	87016	48.479 ug/l	94
45) 1,2-Dichloropropane	7.421	63	85671	48.156 ug/l	99
46) Dibromomethane	7.574	93	66672	48.673 ug/l	96
47) Bromodichloromethane	7.818	83	123136	51.242 ug/l	99
48) Methyl methacrylate	7.690	41	101279	49.127 ug/l	95
49) 1,4-Dioxane	7.665	88	35094	828.559 ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	657274	248.002 ug/l	98
52) Toluene	8.714	92	218703	49.912 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	131592	50.985 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	141165	51.333 ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	93459	51.241 ug/l	99
56) Ethyl methacrylate	9.116	69	149715	50.517 ug/l	93
57) 1,3-Dichloropropane	9.305	76	152310	50.209 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	387207	269.768 ug/l	97
59) 2-Hexanone	9.433	43	502607	249.695 ug/l	96
60) Dibromochloromethane	9.519	129	96239	53.286 ug/l	98
61) 1,2-Dibromoethane	9.610	107	95281	50.325 ug/l	98
64) Tetrachloroethene	9.269	164	71453	47.505 ug/l	97
65) Chlorobenzene	10.079	112	246845	47.976 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	84757	50.433 ug/l	98
67) Ethyl Benzene	10.189	91	394382	47.008 ug/l	99
68) m/p-Xylenes	10.299	106	312586	97.427 ug/l	96
69) o-Xylene	10.640	106	158887	49.288 ug/l	97
70) Styrene	10.653	104	272620	50.882 ug/l	99
71) Bromoform	10.799	173	63250	52.344 ug/l #	99
73) Isopropylbenzene	10.957	105	381714	46.585 ug/l	99
74) N-amyl acetate	10.841	43	182532	45.729 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	141135	47.900 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	114398m	46.254 ug/l	
77) Bromobenzene	11.195	156	102861	48.616 ug/l	97
78) n-propylbenzene	11.305	91	429391	48.063 ug/l	99
79) 2-Chlorotoluene	11.360	91	273511	46.169 ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	322893	47.262 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	44246	49.216 ug/l	94
82) 4-Chlorotoluene	11.451	91	316271	47.565 ug/l	96
83) tert-Butylbenzene	11.713	119	325979	46.916 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	336881	48.385 ug/l	96
85) sec-Butylbenzene	11.890	105	388641	47.720 ug/l	98
86) p-Isopropyltoluene	12.006	119	335157	48.414 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	188015	49.579 ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	187678	47.762 ug/l	99
89) n-Butylbenzene	12.329	91	283231	50.210 ug/l	99
90) Hexachloroethane	12.536	117	55596	49.441 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	194011	50.031 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	28504	47.454 ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	122941	52.231 ug/l	99
94) Hexachlorobutadiene	13.725	225	43330	49.928 ug/l	97
95) Naphthalene	13.774	128	461342	51.219 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	126305	50.894 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
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Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
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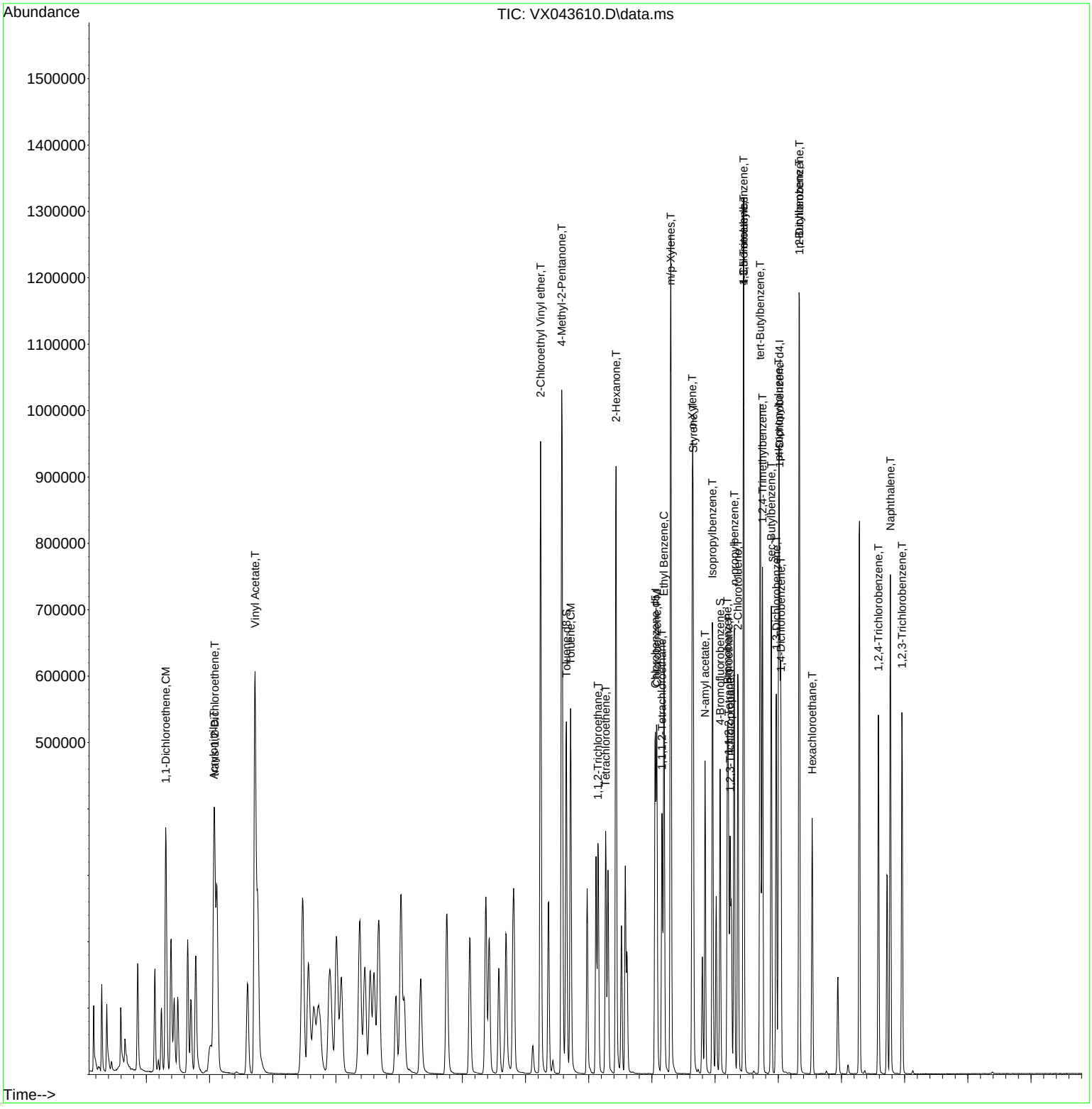
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	101	0.00
2	T	Dichlorodifluoromethane	0.535	0.477	10.8	95	0.00
3	P	Chloromethane	0.684	0.584	14.6	90	0.00
4	C	Vinyl Chloride	0.634	0.571	9.9#	91	0.00
5	T	Bromomethane	0.259	0.237	8.5	91	0.00
6	T	Chloroethane	0.223	0.203	9.0	91	0.00
7	T	Trichlorofluoromethane	0.775	0.698	9.9	90	0.00
8	T	Diethyl Ether	0.358	0.356	0.6	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.507	3.2	97	0.00
10	T	Methyl Iodide	0.757	0.725	4.2	93	0.00
11	T	Tert butyl alcohol	0.149	0.145	2.7	93	-0.04
12	CM	1,1-Dichloroethene	0.536	0.501	6.5#	94	0.00
13	T	Acrolein	0.116	0.099	14.7	91	0.00
14	T	Allyl chloride	0.926	0.875	5.5	92	0.00
15	T	Acrylonitrile	0.336	0.337	-0.3	97	0.00
16	T	Acetone	0.317	0.343	-8.2	111	0.00
17	T	Carbon Disulfide	1.120	0.957	14.6	85	0.00
18	T	Methyl Acetate	0.925	0.882	4.6	96	0.00
19	T	Methyl tert-butyl Ether	2.037	1.972	3.2	96	0.00
20	T	Methylene Chloride	0.682	0.636	6.7	97	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.534	5.7	96	0.00
22	T	Diisopropyl ether	1.915	1.828	4.5	94	0.00
23	T	Vinyl Acetate	1.582	1.572	0.6	94	0.00
24	P	1,1-Dichloroethane	1.101	1.028	6.6	93	0.00
25	T	2-Butanone	0.462	0.468	-1.3	98	0.00
26	T	2,2-Dichloropropane	0.901	0.854	5.2	97	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.716	1.0	98	0.00
28	T	Bromochloromethane	0.524	0.533	-1.7	106	0.00
29	T	Tetrahydrofuran	0.300	0.289	3.7	94	0.00
30	C	Chloroform	1.154	1.104	4.3#	96	0.00
31	T	Cyclohexane	0.842	0.762	9.5	92	0.00
32	T	1,1,1-Trichloroethane	0.969	0.886	8.6	90	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.748	6.1	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.339	0.352	-3.8	104	0.00
36	T	1,1-Dichloropropene	0.402	0.360	10.4	92	0.00
37	T	Ethyl Acetate	0.488	0.486	0.4	96	0.00
38	T	Carbon Tetrachloride	0.444	0.405	8.8	91	0.00
39	T	Methylcyclohexane	0.499	0.481	3.6	94	0.00
40	TM	Benzene	1.341	1.280	4.5	94	0.00
41	T	Methacrylonitrile	0.256	0.259	-1.2	95	0.00
42	TM	1,2-Dichloroethane	0.482	0.451	6.4	91	0.00
43	T	Isopropyl Acetate	0.807	0.777	3.7	93	0.00
44	TM	Trichloroethene	0.333	0.323	3.0	95	0.00
45	C	1,2-Dichloropropane	0.330	0.318	3.6#	94	0.00
46	T	Dibromomethane	0.254	0.248	2.4	95	0.00
47	T	Bromodichloromethane	0.446	0.457	-2.5	95	0.00
48	T	Methyl methacrylate	0.383	0.376	1.8	93	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	0.008	0.007	12.5	79	0.00
50	S	Toluene-d8	1.174	1.213	-3.3	103	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.488	0.8	92	0.00
52	CM	Toluene	0.813	0.812	0.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.479	0.489	-2.1	95	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.524	-2.7	96	0.00
55	T	1,1,2-Trichloroethane	0.339	0.347	-2.4	97	0.00
56	T	Ethyl methacrylate	0.550	0.556	-1.1	94	0.00
57	T	1,3-Dichloropropane	0.563	0.565	-0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.288	-8.3	107	0.00
59	T	2-Hexanone	0.374	0.373	0.3	93	0.00
60	T	Dibromochloromethane	0.335	0.357	-6.6	97	0.00
61	T	1,2-Dibromoethane	0.351	0.354	-0.9	96	0.00
62	S	4-Bromofluorobenzene	0.435	0.462	-6.2	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.314	0.299	4.8	97	0.00
65	PM	Chlorobenzene	1.076	1.032	4.1	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.354	-0.9	96	0.00
67	C	Ethyl Benzene	1.754	1.649	6.0#	93	0.00
68	T	m/p-Xylenes	0.671	0.654	2.5	95	0.00
69	T	o-Xylene	0.674	0.664	1.5	97	0.00
70	T	Styrene	1.120	1.140	-1.8	97	0.00
71	P	Bromoform	0.253	0.264	-4.3	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	3.542	3.300	6.8	93	0.00
74	T	N-amyl acetate	1.725	1.578	8.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.220	4.2	95	0.00
76	T	1,2,3-Trichloropropane	1.069	0.989	7.5	93	0.00
77	T	Bromobenzene	0.915	0.889	2.8	97	0.00
78	T	n-propylbenzene	3.862	3.712	3.9	94	0.00
79	T	2-Chlorotoluene	2.561	2.365	7.7	95	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.791	5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.383	1.5	92	0.00
82	T	4-Chlorotoluene	2.874	2.734	4.9	95	0.00
83	T	tert-Butylbenzene	3.003	2.818	6.2	93	0.00
84	T	1,2,4-Trimethylbenzene	3.010	2.912	3.3	95	0.00
85	T	sec-Butylbenzene	3.520	3.360	4.5	93	0.00
86	T	p-Isopropyltoluene	2.992	2.897	3.2	94	0.00
87	T	1,3-Dichlorobenzene	1.639	1.625	0.9	100	0.00
88	T	1,4-Dichlorobenzene	1.699	1.622	4.5	99	0.00
89	T	n-Butylbenzene	2.438	2.449	-0.5	94	0.00
90	T	Hexachloroethane	0.486	0.481	1.0	93	0.00
91	T	1,2-Dichlorobenzene	1.676	1.677	-0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.246	5.4	89	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.063	-4.5	99	0.00
94	T	Hexachlorobutadiene	0.375	0.375	0.0	101	0.00
95	T	Naphthalene	3.893	3.988	-2.4	97	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	1.073	1.092	-1.8	100	0.00

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

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	44.596	10.8	95	0.00
3	P	Chloromethane	50.000	42.698	14.6	90	0.00
4	C	Vinyl Chloride	50.000	45.006	10.0#	91	0.00
5	T	Bromomethane	50.000	45.750	8.5	91	0.00
6	T	Chloroethane	50.000	45.446	9.1	91	0.00
7	T	Trichlorofluoromethane	50.000	45.021	10.0	90	0.00
8	T	Diethyl Ether	50.000	49.770	0.5	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.361	3.3	97	0.00
10	T	Methyl Iodide	50.000	47.890	4.2	93	0.00
11	T	Tert butyl alcohol	250.000	242.814	2.9	93	-0.04
12	CM	1,1-Dichloroethene	50.000	46.775	6.5#	94	0.00
13	T	Acrolein	250.000	211.927	15.2	91	0.00
14	T	Allyl chloride	50.000	47.217	5.6	92	0.00
15	T	Acrylonitrile	250.000	250.451	-0.2	97	0.00
16	T	Acetone	250.000	270.728	-8.3	111	0.00
17	T	Carbon Disulfide	50.000	42.711	14.6	85	0.00
18	T	Methyl Acetate	50.000	47.636	4.7	96	0.00
19	T	Methyl tert-butyl Ether	50.000	48.412	3.2	96	0.00
20	T	Methylene Chloride	50.000	46.641	6.7	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.169	5.7	96	0.00
22	T	Diisopropyl ether	50.000	47.745	4.5	94	0.00
23	T	Vinyl Acetate	250.000	248.394	0.6	94	0.00
24	P	1,1-Dichloroethane	50.000	46.726	6.5	93	0.00
25	T	2-Butanone	250.000	253.209	-1.3	98	0.00
26	T	2,2-Dichloropropane	50.000	47.410	5.2	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.522	1.0	98	0.00
28	T	Bromochloromethane	50.000	50.892	-1.8	106	0.00
29	T	Tetrahydrofuran	250.000	240.326	3.9	94	0.00
30	C	Chloroform	50.000	47.828	4.3#	96	0.00
31	T	Cyclohexane	50.000	45.259	9.5	92	0.00
32	T	1,1,1-Trichloroethane	50.000	45.714	8.6	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.889	6.2	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	51.966	-3.9	104	0.00
36	T	1,1-Dichloropropene	50.000	44.823	10.4	92	0.00
37	T	Ethyl Acetate	50.000	49.788	0.4	96	0.00
38	T	Carbon Tetrachloride	50.000	45.579	8.8	91	0.00
39	T	Methylcyclohexane	50.000	48.163	3.7	94	0.00
40	TM	Benzene	50.000	47.728	4.5	94	0.00
41	T	Methacrylonitrile	50.000	50.543	-1.1	95	0.00
42	TM	1,2-Dichloroethane	50.000	46.758	6.5	91	0.00
43	T	Isopropyl Acetate	50.000	48.146	3.7	93	0.00
44	TM	Trichloroethene	50.000	48.479	3.0	95	0.00
45	C	1,2-Dichloropropane	50.000	48.156	3.7#	94	0.00
46	T	Dibromomethane	50.000	48.673	2.7	95	0.00
47	T	Bromodichloromethane	50.000	51.242	-2.5	95	0.00
48	T	Methyl methacrylate	50.000	49.127	1.7	93	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 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	828.559	17.1	79	0.00
50	S	Toluene-d8	50.000	51.692	-3.4	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	248.002	0.8	92	0.00
52	CM	Toluene	50.000	49.912	0.2#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	50.985	-2.0	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.333	-2.7	96	0.00
55	T	1,1,2-Trichloroethane	50.000	51.241	-2.5	97	0.00
56	T	Ethyl methacrylate	50.000	50.517	-1.0	94	0.00
57	T	1,3-Dichloropropane	50.000	50.209	-0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	269.768	-7.9	107	0.00
59	T	2-Hexanone	250.000	249.695	0.1	93	0.00
60	T	Dibromochloromethane	50.000	53.286	-6.6	97	0.00
61	T	1,2-Dibromoethane	50.000	50.325	-0.7	96	0.00
62	S	4-Bromofluorobenzene	50.000	53.067	-6.1	103	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	47.505	5.0	97	0.00
65	PM	Chlorobenzene	50.000	47.976	4.0	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.433	-0.9	96	0.00
67	C	Ethyl Benzene	50.000	47.008	6.0#	93	0.00
68	T	m/p-Xylenes	100.000	97.427	2.6	95	0.00
69	T	o-Xylene	50.000	49.288	1.4	97	0.00
70	T	Styrene	50.000	50.882	-1.8	97	0.00
71	P	Bromoform	50.000	52.344	-4.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	46.585	6.8	93	0.00
74	T	N-amyl acetate	50.000	45.729	8.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.900	4.2	95	0.00
76	T	1,2,3-Trichloropropane	50.000	46.254	7.5	93	0.00
77	T	Bromobenzene	50.000	48.616	2.8	97	0.00
78	T	n-propylbenzene	50.000	48.063	3.9	94	0.00
79	T	2-Chlorotoluene	50.000	46.169	7.7	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.262	5.5	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.216	1.6	92	0.00
82	T	4-Chlorotoluene	50.000	47.565	4.9	95	0.00
83	T	tert-Butylbenzene	50.000	46.916	6.2	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.385	3.2	95	0.00
85	T	sec-Butylbenzene	50.000	47.720	4.6	93	0.00
86	T	p-Isopropyltoluene	50.000	48.414	3.2	94	0.00
87	T	1,3-Dichlorobenzene	50.000	49.579	0.8	100	0.00
88	T	1,4-Dichlorobenzene	50.000	47.762	4.5	99	0.00
89	T	n-Butylbenzene	50.000	50.210	-0.4	94	0.00
90	T	Hexachloroethane	50.000	49.441	1.1	93	0.00
91	T	1,2-Dichlorobenzene	50.000	50.031	-0.1	98	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.454	5.1	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.231	-4.5	99	0.00
94	T	Hexachlorobutadiene	50.000	49.928	0.1	101	0.00
95	T	Naphthalene	50.000	51.219	-2.4	97	0.00

Sample Results: **VX043610.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043610.D
Acq On : 30 Oct 2024 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 31 09:40:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.894	-1.8	100	0.00

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

QC SAMPLE DATA

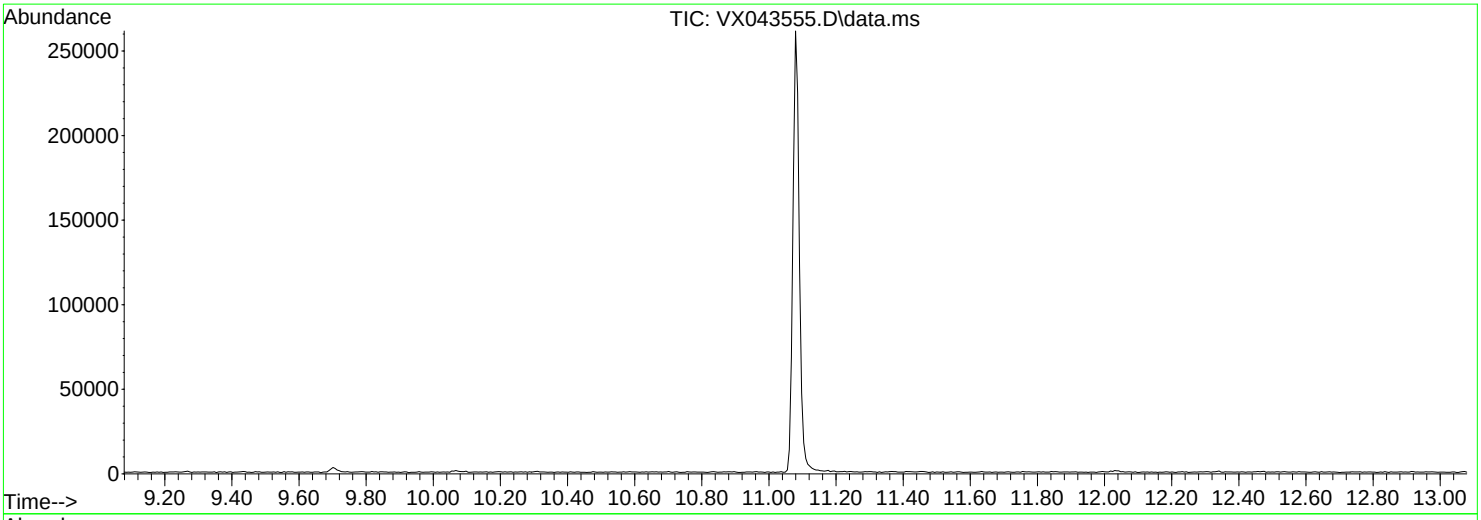
Sample Results: **VX043555.D**

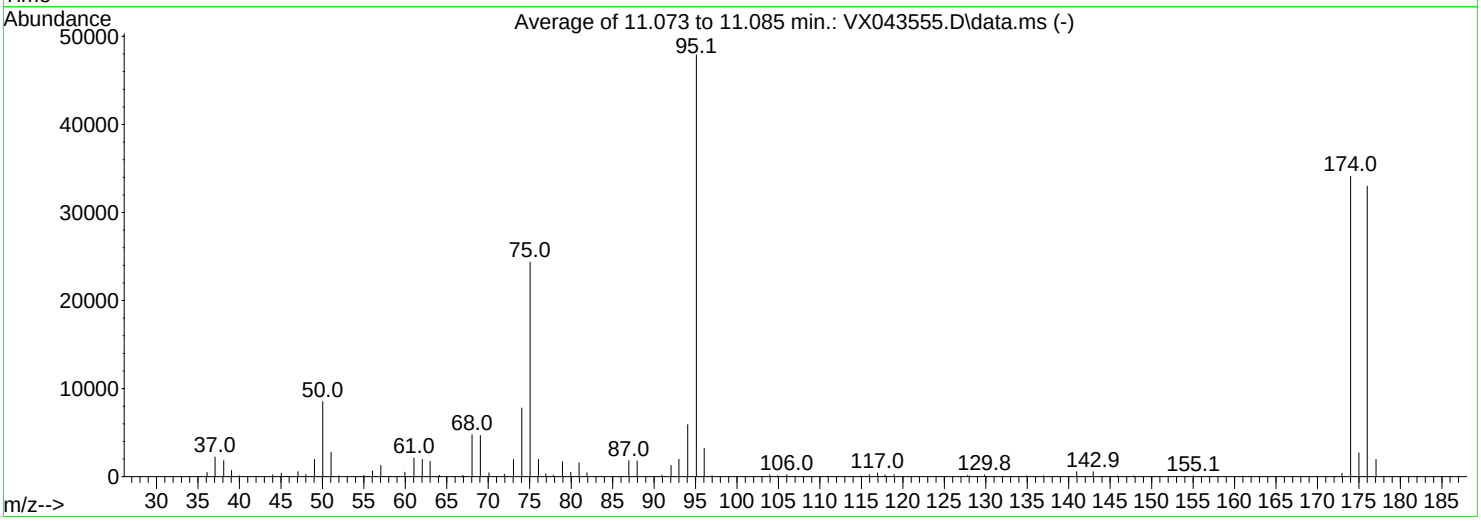
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043555.D
Acq On : 28 Oct 2024 10:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	8521	PASS
75	95	30	60	50.9	24360	PASS
95	95	100	100	100.0	47901	PASS
96	95	5	9	6.7	3204	PASS
173	174	0.00	2	1.2	395	PASS
174	95	50	100	71.2	34123	PASS
175	174	5	9	7.9	2705	PASS
176	174	95	101	96.7	32992	PASS
177	176	5	9	6.0	1964	PASS

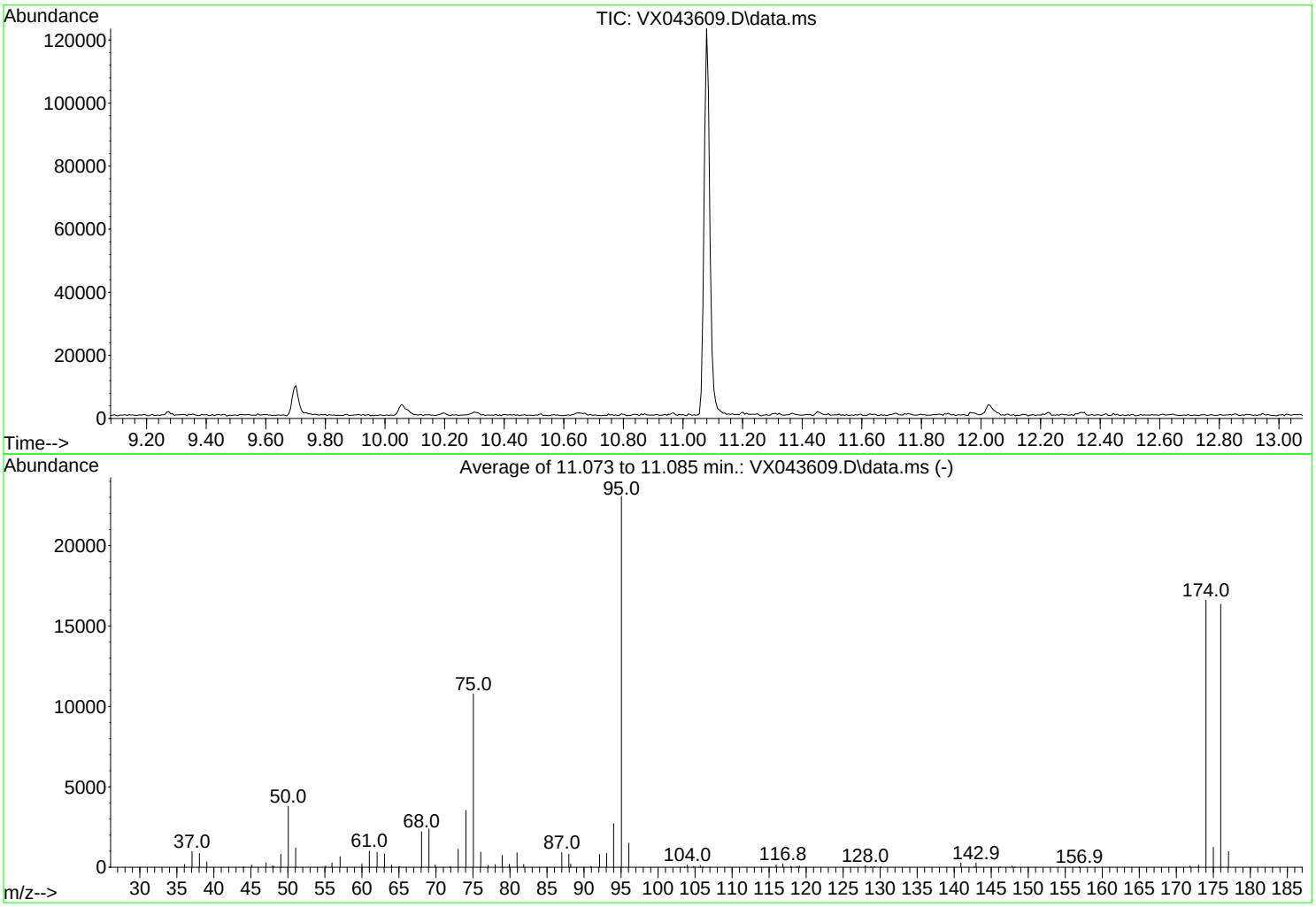
Sample Results: **VX043609.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043609.D
Acq On : 30 Oct 2024 08:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	3783	PASS
75	95	30	60	46.7	10779	PASS
95	95	100	100	100.0	23075	PASS
96	95	5	9	6.5	1504	PASS
173	174	0.00	2	0.8	133	PASS
174	95	50	100	72.0	16614	PASS
175	174	5	9	7.5	1248	PASS
176	174	95	101	98.5	16361	PASS
177	176	5	9	6.0	977	PASS

Raw Data: **VX043612.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:	VX1030WBL01	SDG No.:	P4615
Lab Sample ID:	VX1030WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043612.D	1		10/30/24 10:22	VX103024

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: **VX043612.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:	VX1030WBL01	SDG No.:	P4615
Lab Sample ID:	VX1030WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043612.D	1		10/30/24 10:22	VX103024

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	43.6		70 (74) - 130 (125)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.544			
540-36-3	1,4-Difluorobenzene	229000	6.757			
3114-55-4	Chlorobenzene-d5	204000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	87300	12.018			

Raw Data: **VX043612.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:	VX1030WBL01	SDG No.:	P4615
Lab Sample ID:	VX1030WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043612.D	1		10/30/24 10:22	VX103024

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: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Time: Oct 31 09:41:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

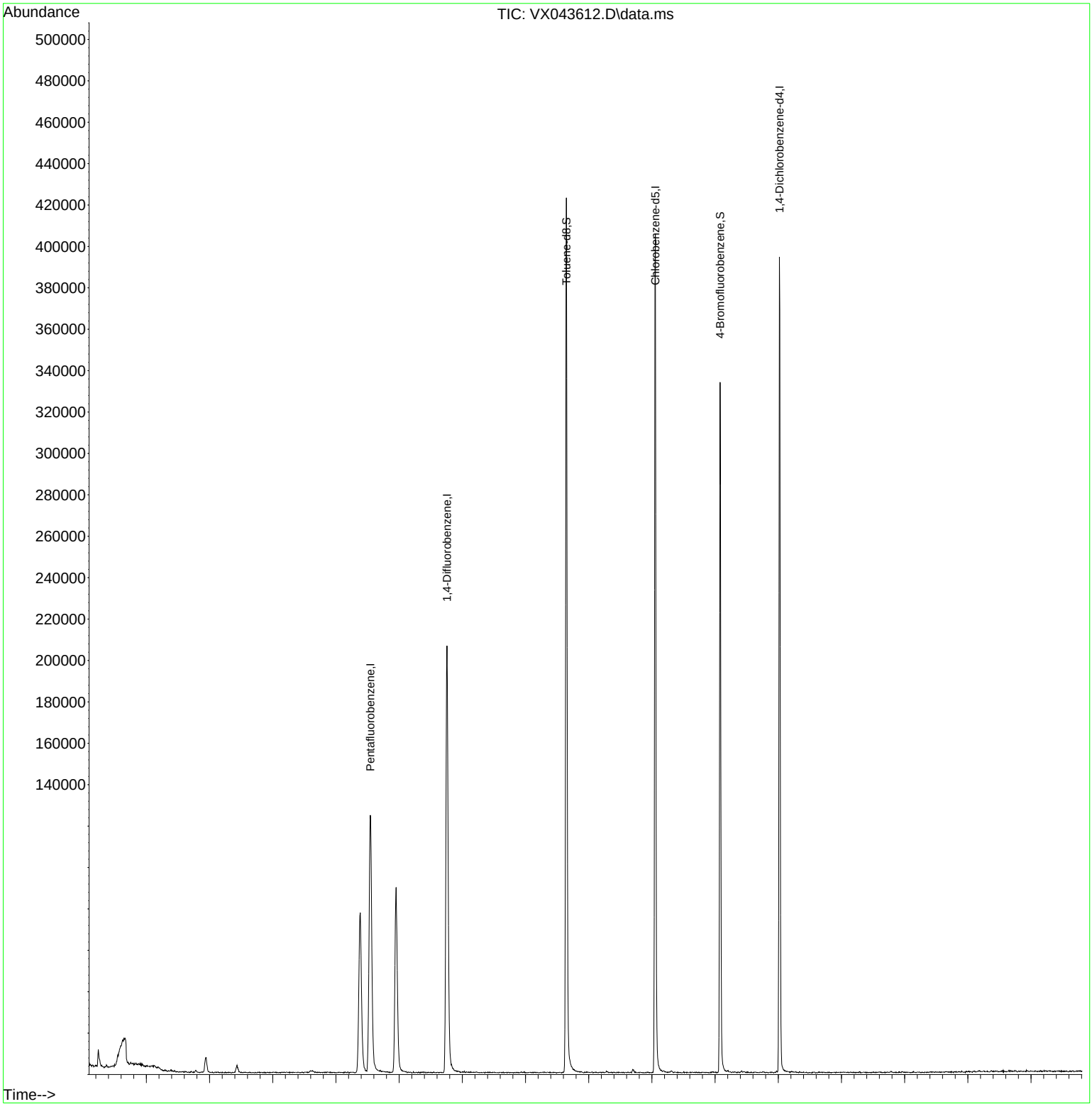
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	124305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	87309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86399	43.590	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.180%		
35) Dibromofluoromethane	5.385	113	70244	45.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.300%		
50) Toluene-d8	8.647	98	266605	49.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	93954	47.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.160%		
Target Compounds						Qvalue

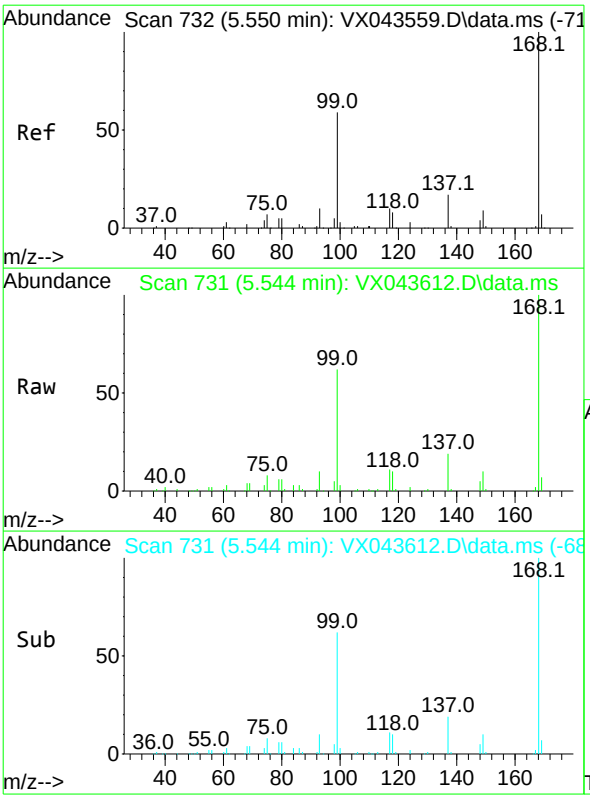
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Time: Oct 31 09:41:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



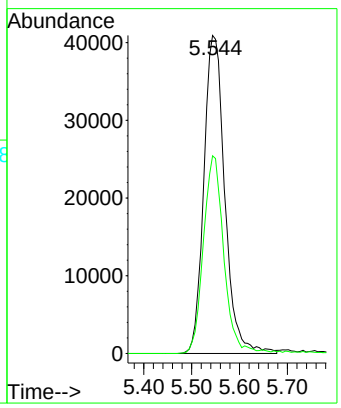


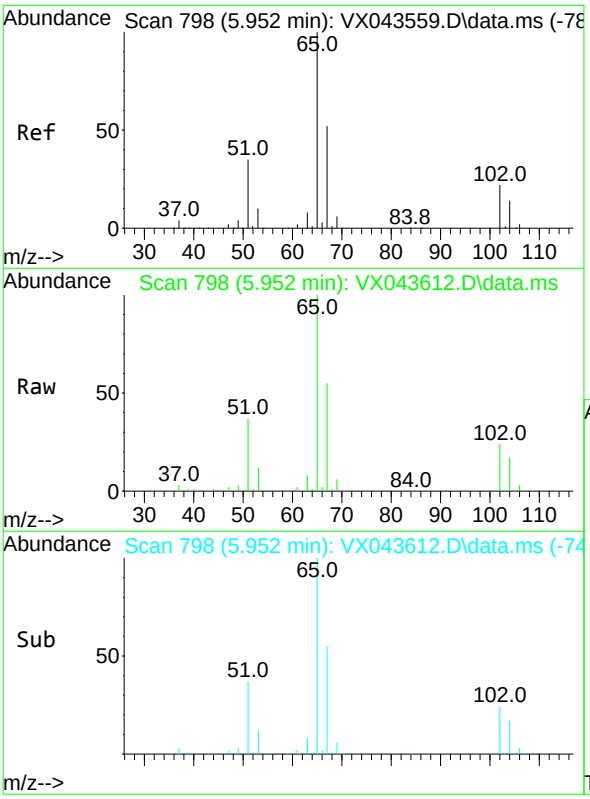
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion:168 Resp: 124305

Ion	Ratio	Lower	Upper
168	100		
99	62.2	52.6	78.8

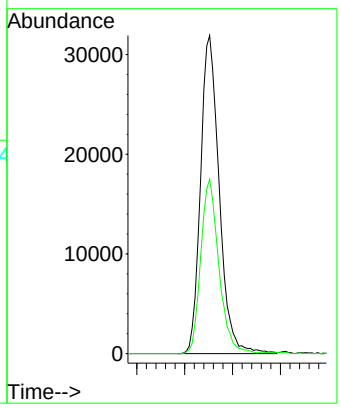


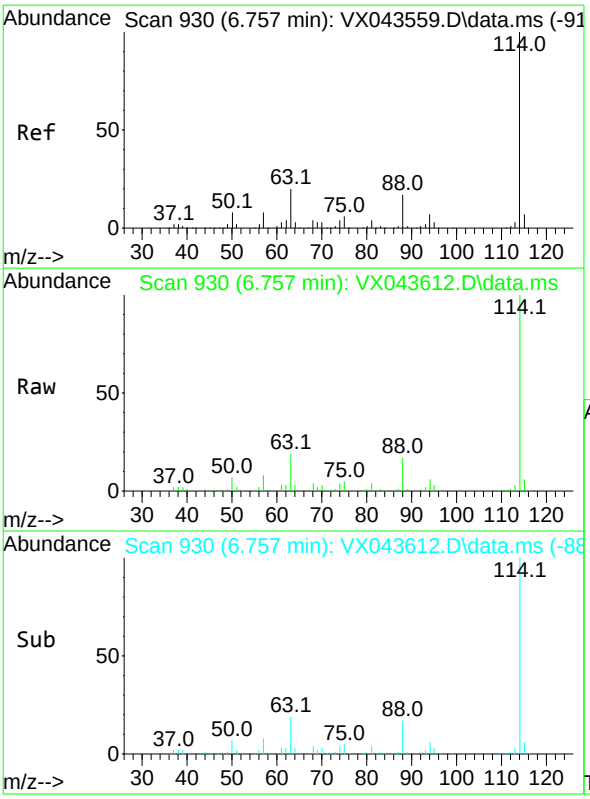


#33
1,2-Dichloroethane-d4
Concen: 43.590 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion: 65 Resp: 86399

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



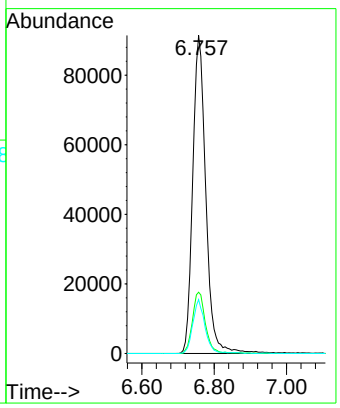


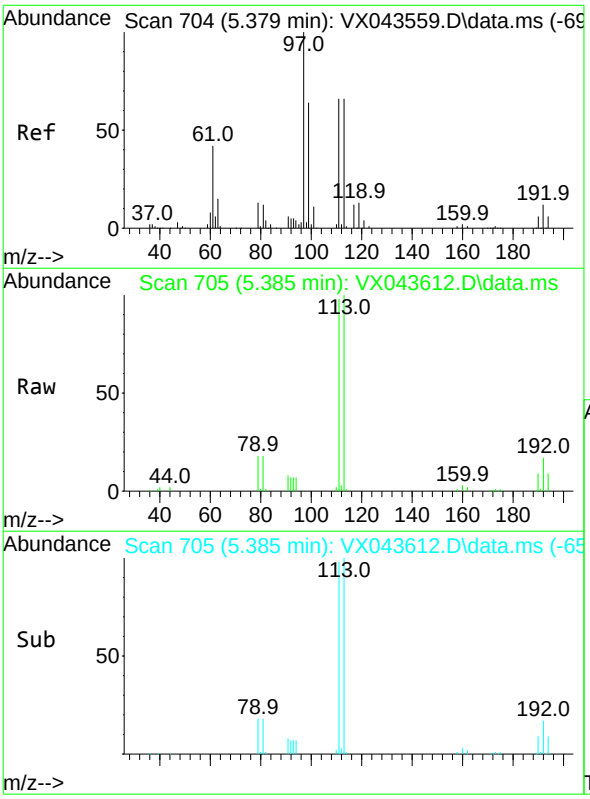
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion:114 Resp: 229429

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.2
88	17.0	0.0	34.0

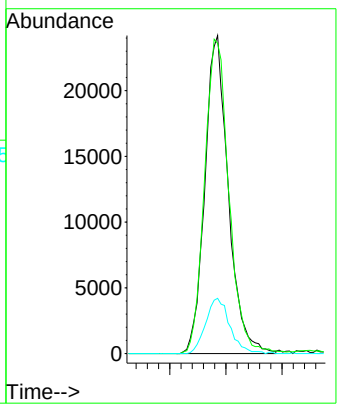


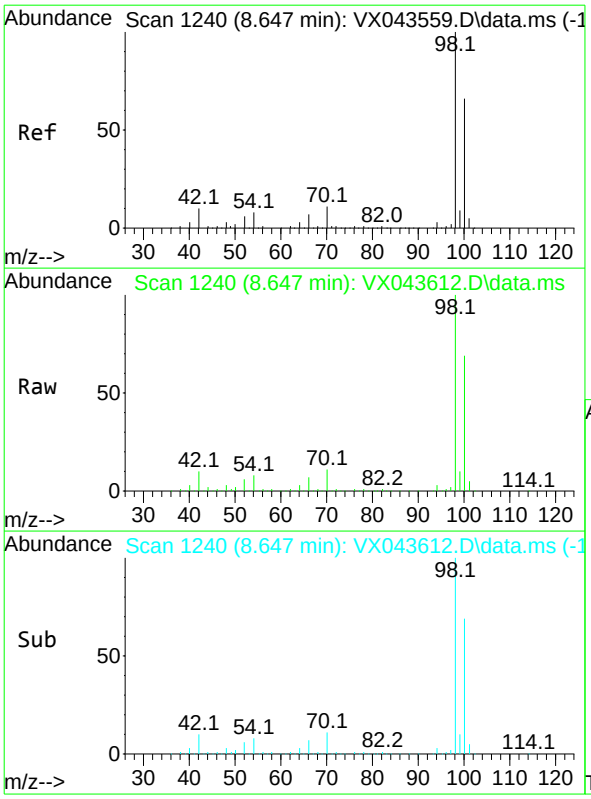


#35
Dibromofluoromethane
Concen: 45.151 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion:113 Resp: 70244

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	17.8	14.1	21.1



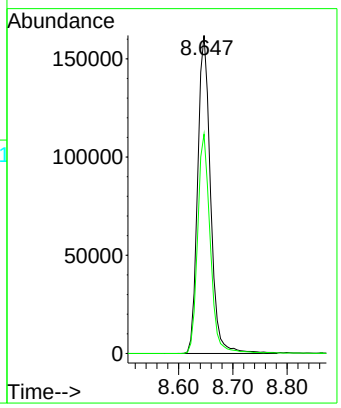


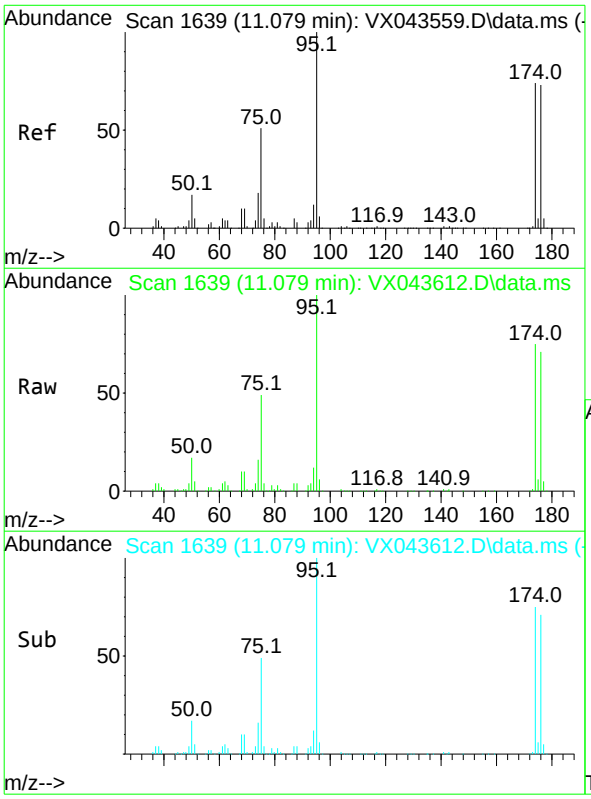
#50
Toluene-d8
Concen: 49.505 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion: 98 Resp: 266605

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2

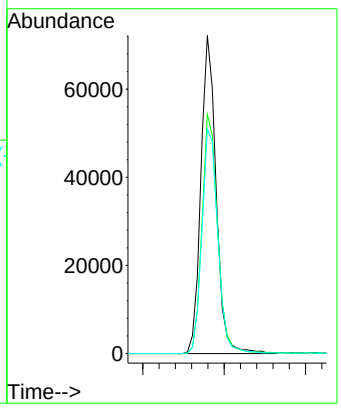


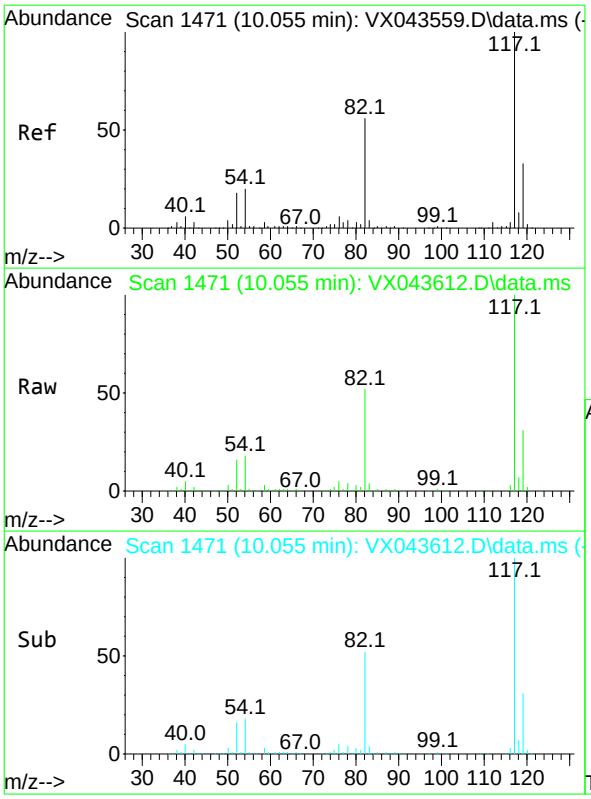


#62
4-Bromofluorobenzene
Concen: 47.081 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion: 95 Resp: 93954

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	146.6
176	73.9	0.0	139.6



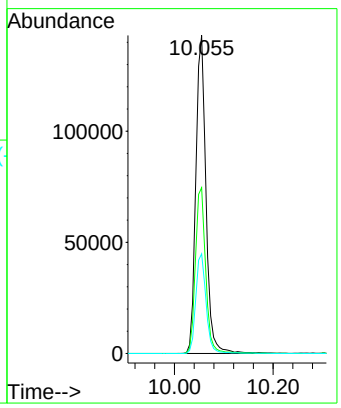


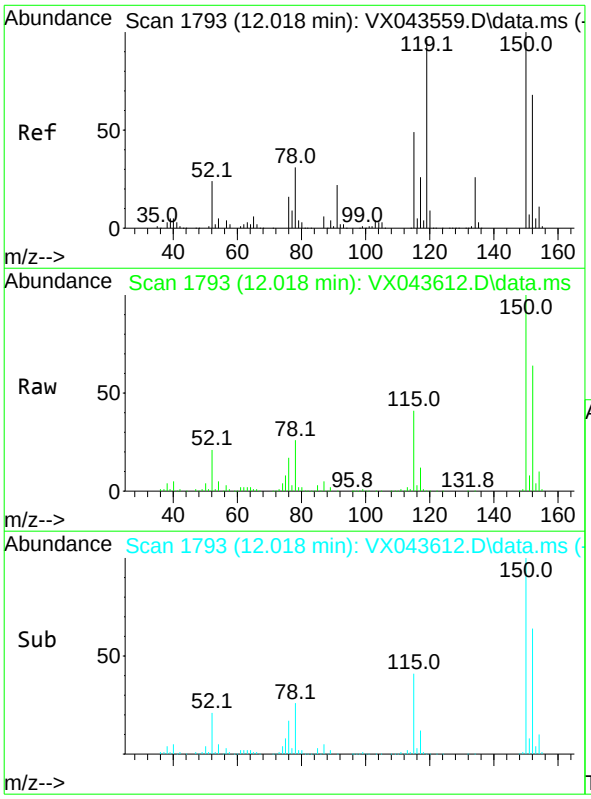
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Tgt Ion:117 Resp: 204357

Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.1	63.1
119	31.3	25.4	38.2

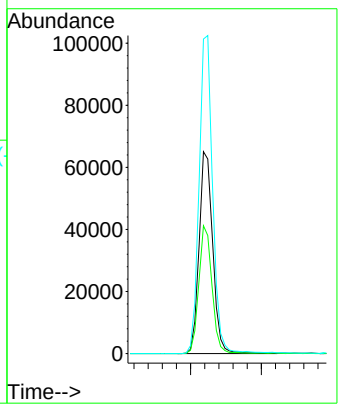




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043612.D
Acq: 30 Oct 2024 10:22

Tgt Ion:152 Resp: 87309

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.9	128.7
150	157.3	0.0	343.6



Sample Results: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

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_X\Method\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043612.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	32	rBV2	8176	12491	1.80%	0.343%
2	1.551	70	76	77	rBV4	5000	7445	1.07%	0.204%
3	1.624	77	88	90	rVV7	7799	24511	3.53%	0.672%
4	2.941	296	304	311	rBV2	7168	16664	2.40%	0.457%
5	5.385	691	705	716	rBV	77348	228288	32.86%	6.260%
6	5.544	722	731	752	rBV	123657	366158	52.70%	10.041%
7	5.952	787	798	814	rBV	89383	238665	34.35%	6.545%
8	6.757	920	930	951	rBV	206217	512246	73.72%	14.047%
9	8.647	1233	1240	1257	rBV	422407	694820	100.00%	19.054%
10	10.055	1465	1471	1486	rBV	405233	591930	85.19%	16.232%
11	11.079	1634	1639	1655	rBV	333319	438067	63.05%	12.013%
12	12.018	1788	1793	1806	rBV	393792	515301	74.16%	14.131%

Sum of corrected areas: 3646586

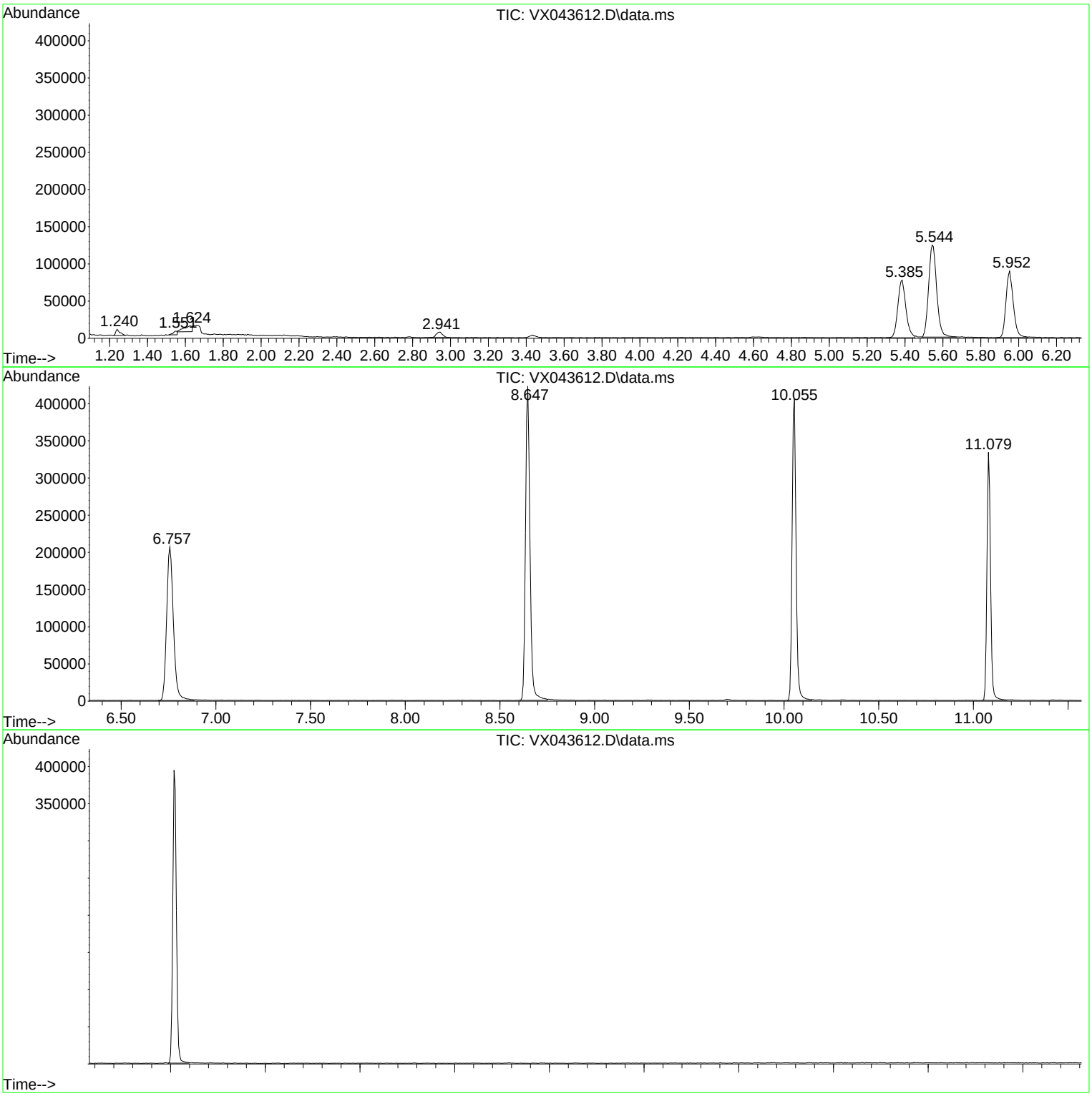
Sample Results: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043612.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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_X\Data\VX103024\
Data File : VX043612.D
Acq On : 30 Oct 2024 10:22
Operator : JC/MD
Sample : VX1030WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.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: **VX043613.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:	VX1030WBS01	SDG No.:	P4615
Lab Sample ID:	VX1030WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.0		0.21	1.00	ug/L
74-87-3	Chloromethane	17.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.34	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	5.00	ug/L
75-00-3	Chloroethane	18.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	1.00	ug/L
67-64-1	Acetone	99.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.0		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.0		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.0		0.18	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.19	1.00	ug/L
71-43-2	Benzene	19.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.0		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	20.0		0.18	1.00	ug/L

Raw Data: **VX043613.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:	VX1030WBS01	SDG No.:	P4615
Lab Sample ID:	VX1030WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.0		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.0		0.31	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	1.00	ug/L
100-42-5	Styrene	20.0		0.16	1.00	ug/L
75-25-2	Bromoform	18.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	148000	5.544			
540-36-3	1,4-Difluorobenzene	265000	6.757			
3114-55-4	Chlorobenzene-d5	239000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX043613.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:	VX1030WBS01	SDG No.:	P4615
Lab Sample ID:	VX1030WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043613.D	1		10/30/24 10:56	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
E966796	Total Alkanes	0	J		99.0	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_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	148306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264784	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108212	45.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.520%			
35) Dibromofluoromethane	5.379	113	87025	48.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	8.647	98	314569	50.612	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	119367	51.829	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27753	17.498	ug/l	98
3) Chloromethane	1.295	50	34439	16.986	ug/l	100
4) Vinyl Chloride	1.374	62	33498	17.803	ug/l	96
5) Bromomethane	1.593	94	14288	18.626	ug/l	93
6) Chloroethane	1.660	64	11760	17.740	ug/l	92
7) Trichlorofluoromethane	1.861	101	40651	17.685	ug/l	99
8) Diethyl Ether	2.130	74	19398	18.264	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	29454	18.947	ug/l	96
10) Methyl Iodide	2.441	142	41395	18.431	ug/l	97
11) Tert butyl alcohol	3.008	59	41254m	93.465	ug/l	
12) 1,1-Dichloroethene	2.307	96	28154	17.722	ug/l	94
13) Acrolein	2.233	56	26661	77.239	ug/l	97
14) Allyl chloride	2.654	41	46642	16.975	ug/l	97
15) Acrylonitrile	3.069	53	98528	98.870	ug/l	99
16) Acetone	2.386	43	93396	99.457	ug/l	100
17) Carbon Disulfide	2.496	76	48946	14.734	ug/l	99
18) Methyl Acetate	2.703	43	50644	18.453	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	113805	18.837	ug/l	98
20) Methylene Chloride	2.782	84	36896	18.230	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	30527	18.189	ug/l	95
22) Diisopropyl ether	3.764	45	107460	18.921	ug/l	96
23) Vinyl Acetate	3.721	43	443752	94.573	ug/l	99
24) 1,1-Dichloroethane	3.599	63	58738	17.994	ug/l	98
25) 2-Butanone	4.568	43	137643	100.482	ug/l	99
26) 2,2-Dichloropropane	4.465	77	47680	17.844	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	40483	18.882	ug/l	98
28) Bromochloromethane	4.891	49	28671	18.463	ug/l	95
29) Tetrahydrofuran	5.013	42	85231	95.744	ug/l	97
30) Chloroform	5.080	83	64399	18.820	ug/l	94
31) Cyclohexane	5.458	56	45048	18.042	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	50740	17.662	ug/l	98
36) 1,1-Dichloropropene	5.684	75	38518	18.092	ug/l	97
37) Ethyl Acetate	4.715	43	51646	19.981	ug/l	98
38) Carbon Tetrachloride	5.666	117	41334	17.571	ug/l	99
39) Methylcyclohexane	7.373	83	50783	19.212	ug/l	100
40) Benzene	6.031	78	135317	19.052	ug/l	100

Sample Results: **VX043613.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27603	20.345 ug/l		95
42) 1,2-Dichloroethane	6.080	62	48172	18.866 ug/l		97
43) Isopropyl Acetate	6.336	43	80680	18.875 ug/l		97
44) Trichloroethene	7.123	130	32171	18.233 ug/l		93
45) 1,2-Dichloropropane	7.428	63	33302	19.042 ug/l		100
46) Dibromomethane	7.580	93	25774	19.140 ug/l		95
47) Bromodichloromethane	7.818	83	43771	18.529 ug/l		98
48) Methyl methacrylate	7.696	41	39830	19.653 ug/l		96
49) 1,4-Dioxane	7.671	88	14140	339.602 ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	269977	103.625 ug/l		99
52) Toluene	8.714	92	84865	19.702 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	46488	18.322 ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	52745	19.511 ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	36754	20.499 ug/l		99
56) Ethyl methacrylate	9.116	69	59004	20.253 ug/l		94
57) 1,3-Dichloropropane	9.305	76	61622	20.664 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	140409	99.511 ug/l		97
59) 2-Hexanone	9.433	43	205521	103.864 ug/l		98
60) Dibromochloromethane	9.519	129	34532	19.450 ug/l		100
61) 1,2-Dibromoethane	9.610	107	38155	20.500 ug/l		97
64) Tetrachloroethene	9.269	164	28659	19.064 ug/l		95
65) Chlorobenzene	10.080	112	100050	19.456 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32872	19.571 ug/l		98
67) Ethyl Benzene	10.189	91	159115	18.976 ug/l		98
68) m/p-Xylenes	10.299	106	126258	39.374 ug/l		94
69) o-Xylene	10.640	106	64722	20.088 ug/l		95
70) Styrene	10.653	104	108183	20.202 ug/l		99
71) Bromoform	10.799	173	22030	18.241 ug/l	#	97
73) Isopropylbenzene	10.964	105	156713	18.755 ug/l		100
74) N-amyl acetate	10.842	43	73630	18.089 ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.213	83	58265	19.391 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	47409m	18.797 ug/l		
77) Bromobenzene	11.195	156	42214	19.565 ug/l		96
78) n-propylbenzene	11.305	91	172894	18.977 ug/l		98
79) 2-Chlorotoluene	11.366	91	112270	18.584 ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	134164	19.257 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	15721	17.148 ug/l		96
82) 4-Chlorotoluene	11.451	91	128383	18.933 ug/l		96
83) tert-Butylbenzene	11.713	119	134426	18.972 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	136562	19.234 ug/l		97
85) sec-Butylbenzene	11.890	105	160544	19.331 ug/l		99
86) p-Isopropyltoluene	12.006	119	136876	19.389 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	73659	19.047 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	76016	18.970 ug/l		100
89) n-Butylbenzene	12.329	91	109400	19.018 ug/l		99
90) Hexachloroethane	12.536	117	20716	18.065 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	79439	20.088 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10780	17.599 ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	47511	19.794 ug/l		99
94) Hexachlorobutadiene	13.725	225	16964	19.168 ug/l		98
95) Naphthalene	13.774	128	179816	19.576 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	48793	19.280 ug/l		100

Sample Results: **VX043613.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

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

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

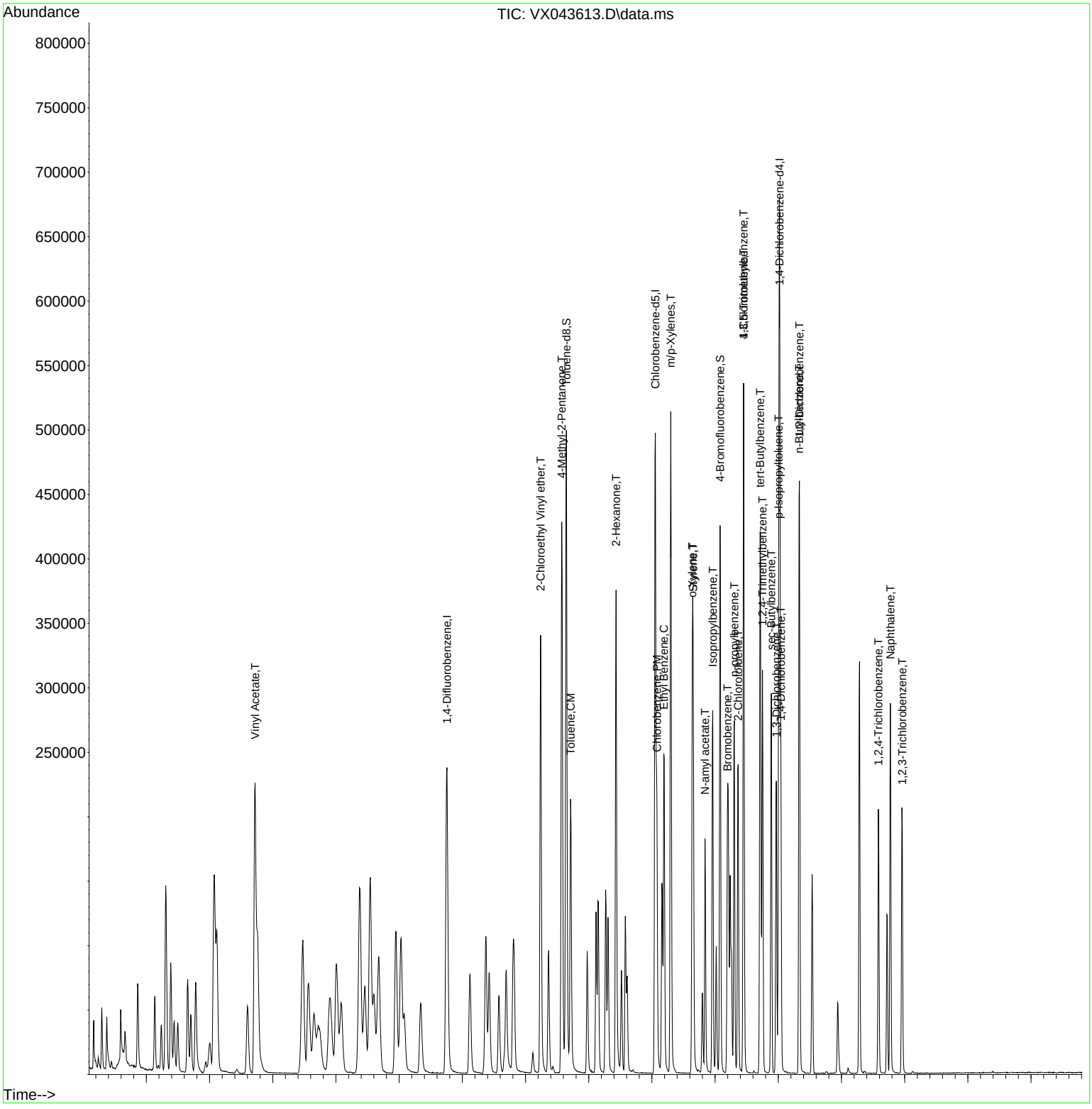
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043613.D
Acq On : 30 Oct 2024 10:56
Operator : JC/MD
Sample : VX1030WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



Raw Data: **VX043614.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:	VX1030WBSD01	SDG No.:	P4615
Lab Sample ID:	VX1030WBSD01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043614.D	1		10/30/24 11:19	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.0		0.21	1.00	ug/L
74-87-3	Chloromethane	17.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.34	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	5.00	ug/L
75-00-3	Chloroethane	17.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
67-64-1	Acetone	93.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.0		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.0		1.60	5.00	ug/L
78-93-3	2-Butanone	95.0		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.0		0.18	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.19	1.00	ug/L
71-43-2	Benzene	19.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	99.0		0.75	5.00	ug/L
108-88-3	Toluene	19.0		0.18	1.00	ug/L

Raw Data: **VX043614.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:	VX1030WBSD01	SDG No.:	P4615
Lab Sample ID:	VX1030WBSD01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043614.D	1		10/30/24 11:19	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.0		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	99.0		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.0		0.31	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	1.00	ug/L
100-42-5	Styrene	20.0		0.16	1.00	ug/L
75-25-2	Bromoform	18.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.0		70 (74) - 130 (125)	90%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	5.55			
540-36-3	1,4-Difluorobenzene	281000	6.757			
3114-55-4	Chlorobenzene-d5	249000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	119000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX043614.D**

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:	VX1030WBSD01	SDG No.:	P4615
Lab Sample ID:	VX1030WBSD01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043614.D	1		10/30/24 11:19	VX103024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
E966796	Total Alkanes	0	J		99.0	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

Sample Results: **VX043614.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043614.D
Acq On : 30 Oct 2024 11:19
Operator : JC/MD
Sample : VX1030WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	157679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	281415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	112626	44.795	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.600%			
35) Dibromofluoromethane	5.379	113	92995	48.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.460%			
50) Toluene-d8	8.647	98	335191	50.743	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	11.079	95	123926	50.628	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	27940	16.569	ug/l	98
3) Chloromethane	1.294	50	36065	16.731	ug/l	95
4) Vinyl Chloride	1.374	62	35228	17.609	ug/l	100
5) Bromomethane	1.593	94	14277	17.506	ug/l	93
6) Chloroethane	1.660	64	12181	17.283	ug/l	99
7) Trichlorofluoromethane	1.861	101	45559	18.641	ug/l	97
8) Diethyl Ether	2.136	74	21084	18.672	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	30100	18.211	ug/l	97
10) Methyl Iodide	2.441	142	44646	18.696	ug/l	96
11) Tert butyl alcohol	3.026	59	44708	95.269	ug/l #	100
12) 1,1-Dichloroethene	2.300	96	31601	18.710	ug/l	83
13) Acrolein	2.239	56	29320	79.893	ug/l	100
14) Allyl chloride	2.654	41	51142	17.506	ug/l	95
15) Acrylonitrile	3.068	53	101370	95.675	ug/l	99
16) Acetone	2.392	43	92756	92.904	ug/l	97
17) Carbon Disulfide	2.495	76	55868	15.818	ug/l	98
18) Methyl Acetate	2.709	43	51638	17.696	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	118846	18.502	ug/l	95
20) Methylene Chloride	2.782	84	39266	18.248	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	33222	18.618	ug/l	92
22) Diisopropyl ether	3.763	45	114469	18.957	ug/l	96
23) Vinyl Acetate	3.721	43	466636	93.538	ug/l	99
24) 1,1-Dichloroethane	3.605	63	63898	18.411	ug/l	96
25) 2-Butanone	4.568	43	138202	94.893	ug/l	99
26) 2,2-Dichloropropane	4.465	77	50669	17.835	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	42897	18.819	ug/l	99
28) Bromochloromethane	4.897	49	29364	17.785	ug/l	93
29) Tetrahydrofuran	5.013	42	87263	92.199	ug/l	97
30) Chloroform	5.086	83	67605	18.582	ug/l	98
31) Cyclohexane	5.464	56	46997	17.704	ug/l	92
32) 1,1,1-Trichloroethane	5.367	97	56389	18.461	ug/l	98
36) 1,1-Dichloropropene	5.684	75	41049	18.141	ug/l	97
37) Ethyl Acetate	4.721	43	51358	18.695	ug/l	97
38) Carbon Tetrachloride	5.666	117	45626	18.249	ug/l	97
39) Methylcyclohexane	7.379	83	52713	18.764	ug/l	97
40) Benzene	6.031	78	143938	19.068	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043614.D
Acq On : 30 Oct 2024 11:19
Operator : JC/MD
Sample : VX1030WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	27315	18.943 ug/l		95
42) 1,2-Dichloroethane	6.086	62	50592	18.643 ug/l		97
43) Isopropyl Acetate	6.342	43	82905	18.249 ug/l		97
44) Trichloroethene	7.123	130	36404	19.412 ug/l		93
45) 1,2-Dichloropropane	7.427	63	34715	18.677 ug/l		99
46) Dibromomethane	7.580	93	27137	18.962 ug/l		96
47) Bromodichloromethane	7.824	83	47087	18.755 ug/l		98
48) Methyl methacrylate	7.696	41	40559	18.830 ug/l		95
49) 1,4-Dioxane	7.671	88	20054	453.175 ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	274856	99.263 ug/l		99
52) Toluene	8.720	92	89001	19.441 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	49630	18.405 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	56632	19.711 ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	38640	20.277 ug/l		96
56) Ethyl methacrylate	9.122	69	60528	19.548 ug/l		96
57) 1,3-Dichloropropane	9.305	76	65075	20.533 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	146639	97.785 ug/l		98
59) 2-Hexanone	9.433	43	208999	99.380 ug/l		97
60) Dibromochloromethane	9.519	129	35994	19.075 ug/l		99
61) 1,2-Dibromoethane	9.610	107	39491	19.964 ug/l		96
64) Tetrachloroethene	9.269	164	29428	18.806 ug/l		98
65) Chlorobenzene	10.079	112	102589	19.166 ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.165	131	34926	19.976 ug/l		99
67) Ethyl Benzene	10.195	91	166637	19.092 ug/l		100
68) m/p-Xylenes	10.299	106	131049	39.261 ug/l		96
69) o-Xylene	10.640	106	67783	20.211 ug/l		96
70) Styrene	10.652	104	112284	20.144 ug/l		99
71) Bromoform	10.799	173	22865	18.188 ug/l	#	94
73) Isopropylbenzene	10.963	105	165820	19.635 ug/l		99
74) N-amyl acetate	10.841	43	76994	18.715 ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	61842	20.364 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	54909m	21.541 ug/l		
77) Bromobenzene	11.195	156	42531	19.504 ug/l		97
78) n-propylbenzene	11.305	91	178082	19.340 ug/l		99
79) 2-Chlorotoluene	11.366	91	117122	19.182 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	139294	19.782 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	16748	18.075 ug/l		96
82) 4-Chlorotoluene	11.451	91	133176	19.433 ug/l		97
83) tert-Butylbenzene	11.713	119	140860	19.670 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	142104	19.803 ug/l		98
85) sec-Butylbenzene	11.890	105	167724	19.982 ug/l		99
86) p-Isopropyltoluene	12.006	119	142092	19.915 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	76690	19.621 ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	77335	19.095 ug/l		100
89) n-Butylbenzene	12.329	91	114292	19.658 ug/l		99
90) Hexachloroethane	12.536	117	21029	18.145 ug/l		91
91) 1,2-Dichlorobenzene	12.335	146	80678	20.186 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11165	18.035 ug/l		90
93) 1,2,4-Trichlorobenzene	13.585	180	47408	19.542 ug/l		99
94) Hexachlorobutadiene	13.725	225	16973	18.976 ug/l		96
95) Naphthalene	13.774	128	182510	19.660 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	49655	19.413 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043614.D
Acq On : 30 Oct 2024 11:19
Operator : JC/MD
Sample : VX1030WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 09:41:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024

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

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

Sample Results: **VX043614.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103024\
Data File : VX043614.D
Acq On : 30 Oct 2024 11:19
Operator : JC/MD
Sample : VX1030WBSD01
Misc : 5.0mL/MSVOA_X/WATER
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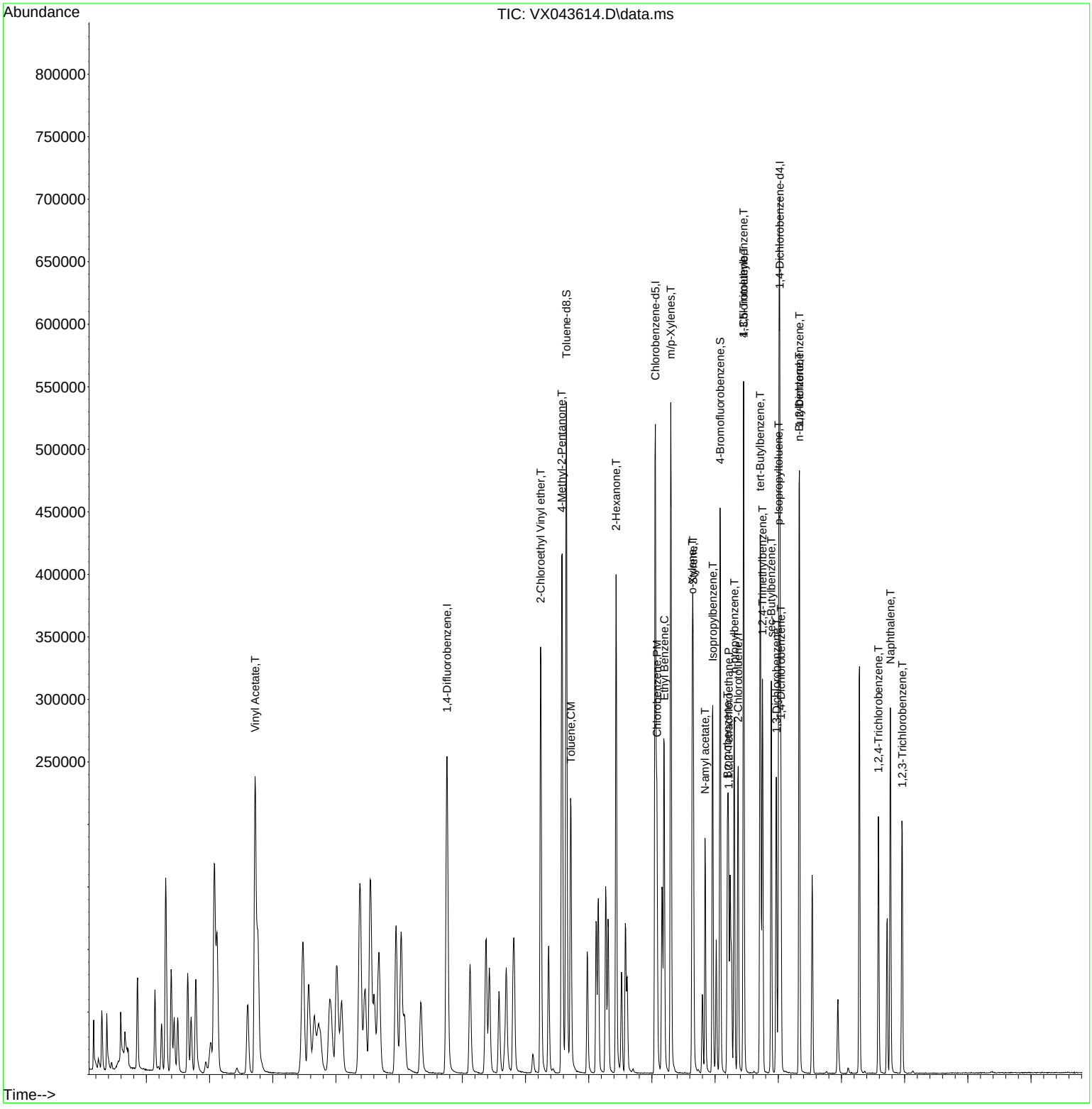
Quant Time: Oct 31 09:41:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/01/2024
Supervised By :Mahesh Dadoda 11/01/2024



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

Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX043556.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	1,4-Dichlorobenzene	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Ethyl Acetate	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Methacrylonitrile	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC005	VX043557.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:13 AM	MMDadoda	10/29/2024 12:19:39 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	Tert butyl alcohol	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	Tert butyl alcohol	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICC100	VX043560.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:22 AM	MMDadoda	10/29/2024 12:19:34 PM	Peak Integrated by Software
VSTDICC150	VX043561.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:57 AM	MMDadoda	10/29/2024 12:19:32 PM	Peak Integrated by Software
VSTDICV050	VX043563.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:27 AM	MMDadoda	10/29/2024 12:19:30 PM	Peak Integrated by Software
VSTDCCC050	VX043581.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:42 AM	MMDadoda	10/29/2024 12:19:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VX103024	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043610.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:35:56 PM	MMDadoda	11/1/2024 5:36:16 PM	Peak Integrated by Software
VX1030WBS01	VX043613.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:36:01 PM	MMDadoda	11/1/2024 5:36:19 PM	Peak Integrated by Software
VX1030WBS01	VX043613.D	Tert butyl alcohol	SAM	11/1/2024 3:36:01 PM	MMDadoda	11/1/2024 5:36:19 PM	Peak Integrated by Software
VX1030WBSD01	VX043614.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:36:06 PM	MMDadoda	11/1/2024 5:36:19 PM	Peak Integrated by Software
VSTDCCC050	VX043635.D	1,2,3-Trichloropropane	SAM	11/1/2024 3:36:12 PM	MMDadoda	11/1/2024 5:36:21 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM				
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043555.D	28 Oct 2024 10:09	JC/MD	Ok
2	VSTDICC001	VX043556.D	28 Oct 2024 10:59	JC/MD	Ok,M
3	VSTDICC005	VX043557.D	28 Oct 2024 11:22	JC/MD	Ok,M
4	VSTDICC020	VX043558.D	28 Oct 2024 11:45	JC/MD	Ok,M
5	VSTDICCC050	VX043559.D	28 Oct 2024 12:08	JC/MD	Ok,M
6	VSTDICC100	VX043560.D	28 Oct 2024 12:31	JC/MD	Ok,M
7	VSTDICC150	VX043561.D	28 Oct 2024 12:54	JC/MD	Ok,M
8	VIBLK	VX043562.D	28 Oct 2024 14:04	JC/MD	Ok
9	VSTDICV050	VX043563.D	28 Oct 2024 14:27	JC/MD	Ok,M
10	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	JC/MD	Not Ok
11	VX1028WBL01	VX043565.D	28 Oct 2024 15:52	JC/MD	Ok
12	VX1028WBS01	VX043566.D	28 Oct 2024 16:28	JC/MD	Ok,M
13	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51	JC/MD	Ok,M
14	PB164394TB	VX043568.D	28 Oct 2024 17:14	JC/MD	Ok
15	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	JC/MD	Ok
16	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	JC/MD	Ok
17	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	JC/MD	Ok
18	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	JC/MD	Ok
19	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	JC/MD	Ok
20	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	JC/MD	Ok
21	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	JC/MD	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM				
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	JC/MD	Ok
23	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	JC/MD	Ok
24	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	JC/MD	Ok
25	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	JC/MD	Ok
26	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	JC/MD	Ok
27	VSTDCCC050	VX043581.D	28 Oct 2024 22:15	JC/MD	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM				
SubDirectory	VX103024	HP Acquire Method	MSVOA_X		HP Processing Method	82x102824w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043609.D	30 Oct 2024 08:59	JC/MD	Ok
2	VSTDCCC050	VX043610.D	30 Oct 2024 09:26	JC/MD	Ok,M
3	VX1030MBL01	VX043611.D	30 Oct 2024 09:59	JC/MD	Ok
4	VX1030WBL01	VX043612.D	30 Oct 2024 10:22	JC/MD	Ok
5	VX1030WBS01	VX043613.D	30 Oct 2024 10:56	JC/MD	Ok,M
6	VX1030WBSD01	VX043614.D	30 Oct 2024 11:19	JC/MD	Ok,M
7	VIBLK	VX043615.D	30 Oct 2024 11:42	JC/MD	Ok
8	P4600-05	VX043616.D	30 Oct 2024 12:06	JC/MD	Ok
9	P4560-01	VX043617.D	30 Oct 2024 12:29	JC/MD	Not Ok
10	P4562-03	VX043618.D	30 Oct 2024 12:52	JC/MD	Ok
11	P4562-04	VX043619.D	30 Oct 2024 13:15	JC/MD	Ok
12	P4615-04	VX043620.D	30 Oct 2024 13:38	JC/MD	Ok
13	P4547-04	VX043621.D	30 Oct 2024 14:01	JC/MD	Ok
14	PB164501TB	VX043622.D	30 Oct 2024 14:24	JC/MD	Ok
15	PB164501ZHE#01	VX043623.D	30 Oct 2024 14:47	JC/MD	Ok
16	PB164501ZHE#02	VX043624.D	30 Oct 2024 15:11	JC/MD	Ok
17	PB164501ZHE#03	VX043625.D	30 Oct 2024 15:34	JC/MD	Ok
18	PB164501ZHE#04	VX043626.D	30 Oct 2024 15:57	JC/MD	Ok
19	PB164501ZHE#05	VX043627.D	30 Oct 2024 16:20	JC/MD	Ok
20	PB164501ZHE#06	VX043628.D	30 Oct 2024 16:44	JC/MD	Ok
21	PB164501ZHE#07	VX043629.D	30 Oct 2024 17:07	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM				
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB164501ZHE#08	VX043630.D	30 Oct 2024 17:30	JC/MD	Ok
23	PB164501ZHE#09	VX043631.D	30 Oct 2024 17:53	JC/MD	Ok
24	PB164501ZHE#10	VX043632.D	30 Oct 2024 18:16	JC/MD	Ok
25	PB164501ZHE#11	VX043633.D	30 Oct 2024 18:39	JC/MD	Ok
26	PB164501ZHE#12	VX043634.D	30 Oct 2024 19:03	JC/MD	Ok
27	VSTDCCC050	VX043635.D	30 Oct 2024 19:25	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043555.D	28 Oct 2024 10:09		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX043556.D	28 Oct 2024 10:59	Method pass	JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX043557.D	28 Oct 2024 11:22	8260D	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX043558.D	28 Oct 2024 11:45		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX043559.D	28 Oct 2024 12:08		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX043560.D	28 Oct 2024 12:31		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX043561.D	28 Oct 2024 12:54		JC/MD	Ok,M
8	VIBLK	VIBLK	VX043562.D	28 Oct 2024 14:04		JC/MD	Ok
9	VSTDICV050	ICVVX102824	VX043563.D	28 Oct 2024 14:27		JC/MD	Ok,M
10	VX1028MBL01	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	Internal standard fail	JC/MD	Not Ok
11	VX1028WBL01	VX1028WBL01	VX043565.D	28 Oct 2024 15:52		JC/MD	Ok
12	VX1028WBS01	VX1028WBS01	VX043566.D	28 Oct 2024 16:28		JC/MD	Ok,M
13	VX1028WBSD01	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51		JC/MD	Ok,M
14	PB164394TB	PB164394TB	VX043568.D	28 Oct 2024 17:14	pH#5.0 A	JC/MD	Ok
15	PB164394ZHE#01	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	pH#5.0 A	JC/MD	Ok
16	PB164394ZHE#02	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	pH#5.0 A	JC/MD	Ok
17	PB164394ZHE#03	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	pH#5.0 A	JC/MD	Ok
18	PB164394ZHE#04	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	pH#5.0 A	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB164394ZHE#05	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	pH#5.0 A	JC/MD	Ok
20	PB164394ZHE#06	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	pH#5.0 A	JC/MD	Ok
21	PB164394ZHE#07	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	pH#5.0 A	JC/MD	Ok
22	PB164394ZHE#08	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	pH#5.0 A	JC/MD	Ok
23	PB164394ZHE#09	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	pH#5.0 A	JC/MD	Ok
24	PB164394ZHE#10	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	pH#5.0 A	JC/MD	Ok
25	PB164394ZHE#11	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	pH#5.0 A	JC/MD	Ok
26	PB164394ZHE#12	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	pH#5.0 A	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043581.D	28 Oct 2024 22:15	out of tune time	JC/MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM		
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043609.D	30 Oct 2024 08:59		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043610.D	30 Oct 2024 09:26		JC/MD	Ok,M
3	VX1030MBL01	VX1030MBL01	VX043611.D	30 Oct 2024 09:59		JC/MD	Ok
4	VX1030WBL01	VX1030WBL01	VX043612.D	30 Oct 2024 10:22		JC/MD	Ok
5	VX1030WBS01	VX1030WBS01	VX043613.D	30 Oct 2024 10:56		JC/MD	Ok,M
6	VX1030WBSD01	VX1030WBSD01	VX043614.D	30 Oct 2024 11:19		JC/MD	Ok,M
7	VIBLK	VIBLK	VX043615.D	30 Oct 2024 11:42		JC/MD	Ok
8	P4600-05	BP-VPB-190-GW-478-4	VX043616.D	30 Oct 2024 12:06	pH# 1.0 B	JC/MD	Ok
9	P4560-01	GCNW6	VX043617.D	30 Oct 2024 12:29	Trace	JC/MD	Not Ok
10	P4562-03	Storage-Blank-WATER-	VX043618.D	30 Oct 2024 12:52	pH#1.0 A	JC/MD	Ok
11	P4562-04	Storage-Blank-SAMPLE	VX043619.D	30 Oct 2024 13:15	pH#1.0 A	JC/MD	Ok
12	P4615-04	TB-10292024	VX043620.D	30 Oct 2024 13:38	TB,pH#1.0 A	JC/MD	Ok
13	P4547-04	BP-F-21	VX043621.D	30 Oct 2024 14:01	pH#5.0 A	JC/MD	Ok
14	PB164501TB	PB164501TB	VX043622.D	30 Oct 2024 14:24	pH#5.0 A	JC/MD	Ok
15	PB164501ZHE#01	PB164501ZHE#01	VX043623.D	30 Oct 2024 14:47	pH#5.0 A	JC/MD	Ok
16	PB164501ZHE#02	PB164501ZHE#02	VX043624.D	30 Oct 2024 15:11	pH#5.0 A	JC/MD	Ok
17	PB164501ZHE#03	PB164501ZHE#03	VX043625.D	30 Oct 2024 15:34	pH#5.0 A	JC/MD	Ok
18	PB164501ZHE#04	PB164501ZHE#04	VX043626.D	30 Oct 2024 15:57	pH#5.0 A	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX103024

Review By	Mahesh Dadoda	Review On	11/1/2024 5:36:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/1/2024 5:36:37 PM		
SubDirectory	VX103024	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131182
Initial Calibration Stds	
CCC	VP131183,VP131184
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB164501ZHE#05	PB164501ZHE#05	VX043627.D	30 Oct 2024 16:20	pH#5.0 A	JC/MD	Ok
20	PB164501ZHE#06	PB164501ZHE#06	VX043628.D	30 Oct 2024 16:44	pH#5.0 A	JC/MD	Ok
21	PB164501ZHE#07	PB164501ZHE#07	VX043629.D	30 Oct 2024 17:07	pH#5.0 A	JC/MD	Ok
22	PB164501ZHE#08	PB164501ZHE#08	VX043630.D	30 Oct 2024 17:30	pH#5.0 A	JC/MD	Ok
23	PB164501ZHE#09	PB164501ZHE#09	VX043631.D	30 Oct 2024 17:53	pH#5.0 A	JC/MD	Ok
24	PB164501ZHE#10	PB164501ZHE#10	VX043632.D	30 Oct 2024 18:16	pH#5.0 A	JC/MD	Ok
25	PB164501ZHE#11	PB164501ZHE#11	VX043633.D	30 Oct 2024 18:39	pH#5.0 A	JC/MD	Ok
26	PB164501ZHE#12	PB164501ZHE#12	VX043634.D	30 Oct 2024 19:03	pH#5.0 A	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043635.D	30 Oct 2024 19:25		JC/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 10/31/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133204

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
P4615-01	B-131-1-SB01	29	1.15	8.81	9.96	8.81	86.9	
P4615-02	B-131-2-SB01	30	1.15	8.80	9.95	8.63	85.0	
P4615-03	B-131-3-SB01	31	1.17	8.55	9.72	8.52	86.0	
P4620-01	P001-CF06-01	1	1.15	8.40	9.55	9.15	95.2	
P4620-02	P001-CF06-01	2	1.18	8.50	9.68	9.24	94.8	
P4620-03	P001-CF07-01	3	1.15	8.76	9.91	9.52	95.5	
P4620-04	P001-CF07-01	4	1.18	8.51	9.69	9.3	95.4	
P4620-05	P001-CF08-01	5	1.14	8.63	9.77	9.35	95.1	
P4620-06	P001-CF08-01	6	1.18	8.74	9.92	9.52	95.4	
P4620-07	P001-CF09-01	7	1.11	8.72	9.83	9.41	95.2	
P4620-08	P001-CF09-01	8	1.14	8.59	9.73	9.31	95.1	
P4620-09	P001-CF10-01	9	1.15	8.36	9.51	9.11	95.2	
P4620-10	P001-CF10-01	10	1.12	8.80	9.92	9.52	95.5	
P4620-11	P001-CF11-01	11	1.15	8.82	9.97	9.53	95.0	
P4620-12	P001-CF11-01	12	1.15	8.30	9.45	9.11	95.9	
P4620-13	P001-CF12-01	13	1.15	8.56	9.71	9.32	95.4	
P4620-14	P001-CF12-01	14	1.14	8.79	9.93	9.47	94.8	
P4620-15	P001-CF13-01	15	1.17	8.68	9.85	9.42	95.0	
P4620-16	P001-CF13-01	16	1.15	8.37	9.52	9.13	95.3	
P4620-17	P001-CF14-01	17	1.18	8.54	9.72	9.32	95.3	
P4620-18	P001-CF14-01	18	1.19	8.53	9.72	9.37	95.9	
P4620-19	P001-CF15-01	19	1.17	8.60	9.77	9.38	95.5	
P4620-20	P001-CF15-01	20	1.15	8.81	9.96	9.22	91.6	
P4620-22	P001-CF16-01	21	1.15	8.51	9.66	9.3	95.8	
P4620-23	P4620-22MS	22	1.15	8.51	9.66	9.3	95.8	
P4620-24	P4620-22MSD	23	1.15	8.51	9.66	9.3	95.8	
P4620-25	P001-CF16-01	24	1.15	8.69	9.84	9.46	95.6	
P4620-26	P4620-25MS	25	1.15	8.69	9.84	9.46	95.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 10/31/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133204

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
P4620-27	P4620-25MSD	26	1.15	8.69	9.84	9.46	95.6	
P4620-29	P001-CF16-02	27	1.15	8.59	9.74	9.33	95.2	
P4620-30	P001-CF16-02	28	1.12	8.70	9.82	9.45	95.7	
P4639-01	EO-01-103024	32	1.17	8.60	9.77	9.24	93.8	
P4639-02	EO-01-103024-E2	33	1.16	8.50	9.66	8.93	91.4	
P4639-03	EO-02-103024	34	1.15	8.40	9.55	8.75	90.5	
P4639-04	EO-02-103024-E2	35	1.18	8.50	9.68	8.79	89.5	
P4640-01	MH-3	36	1.18	8.57	9.75	8.67	87.4	
P4640-02	MH-3-EPH	37	1.15	8.84	9.99	8.78	86.3	
P4640-03	MH-3-VOC	38	1.17	8.40	9.57	8.39	86.0	

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

WORKLIST(Hardcopy Internal Chain)

NB 133204

WorkList Name : %1-103024 **WorkList ID :** 184927 **Department :** Wet-Chemistry **Date :** 10-30-2024 08:17:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4615-01	B-131-1-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	K51	10/29/2024	Chemtech -SO
P4615-02	B-131-2-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	K51	10/29/2024	Chemtech -SO
P4615-03	B-131-3-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	K51	10/29/2024	Chemtech -SO
P4620-01	P001-CF06-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-02	P001-CF06-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-03	P001-CF07-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-04	P001-CF07-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-05	P001-CF08-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-06	P001-CF08-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-07	P001-CF09-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-08	P001-CF09-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-09	P001-CF10-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-10	P001-CF10-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-11	P001-CF11-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-12	P001-CF11-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-13	P001-CF12-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-14	P001-CF12-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-15	P001-CF13-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-16	P001-CF13-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-17	P001-CF14-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-18	P001-CF14-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO

Date/Time 10/30/24 1530

Raw Sample Received by: [signature]

Raw Sample Relinquished by: CP SM

Date/Time 10/30/24 17:10

Raw Sample Received by: CP SM

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

133204

WorkList Name : %1-103024 **WorkList ID :** 184927 **Department :** Wet-Chemistry **Date :** 10-30-2024 08:17:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4620-19	P001-CF15-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-20	P001-CF15-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-22	P001-CF16-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-23	P4620-22MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-24	P4620-22MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-25	P001-CF16-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-26	P4620-25MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-27	P4620-25MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-29	P001-CF16-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4620-30	P001-CF16-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	K41	10/29/2024	Chemtech -SO
P4639-01	EO-01-103024	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/30/2024	Chemtech -SO
P4639-02	EO-01-103024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/30/2024	Chemtech -SO
P4639-03	EO-02-103024	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/30/2024	Chemtech -SO
P4639-04	EO-02-103024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/30/2024	Chemtech -SO
P4640-01	MH-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/30/2024	Chemtech -SO
P4640-02	MH-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/30/2024	Chemtech -SO
P4640-03	MH-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/30/2024	Chemtech -SO

Date/Time 10/30/24 15:30
Raw Sample Received by: BO WEI
Raw Sample Relinquished by: CP SM

Date/Time 10/30/24 17:16
Raw Sample Received by: CP SM
Raw Sample Relinquished by: BO WEI

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. P4615
QUOTE NO.
COC Number 2040874

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 ~~Adams~~ Adams Avenue
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-391-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Rep. of Sawtooth Bridge
PROJECT NO.: 95000578 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@bonnyp.com
PHONE: 610-391-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha PHONE: 908-789-3192

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 BEN EDD

ANALYSIS

1 Lead-

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-131-1-SB01	S	X		10/29	8:10	1	X									
2.	B-131-2-SB01	S	X		10/29	9:05	1	X									
3.	B-131-3-SB01	S	X		10/29	8:00	1	X									
4.	TB-10292024	Water			10/29	LAB	2										
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Yvunda Pujosa	10/29/24 1340	1. 1340 10-29-24
2.		2.
3.	10-29-24 1425	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4615 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 10/29/2024 2:04:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 10/29/2024 ~~12:00:00~~ 14:25 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4615-04	TB-10292024	Water	10/29/2024	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 10-29-24 1615

Received By : [signature]
Date / Time : 10/29/24 16:15
Storage Area : VOA Refridgerator Room