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

Cover Page

Order ID : P4718

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
P4718-01	WB-307-SB01
P4718-02	WB-307-SB02
P4718-03	WB-307-SB02
P4718-04	WB-307-SW
P4718-05	TB-11042024

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

Signature : _____

Date: 11/15/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4718**

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

QA Review Signature: **SHREENA PATEL** **Date:** **11/15/2024**

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LAB CHRONICLE

OrderID:	P4718	**OrderDate:**	11/5/2024 1:31:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L21,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4718-03	**WB-307-SB02**	**TCLP**			**11/04/24**			**11/05/24**
			TCLP VOA	8260D			11/07/24	

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Hit Summary Sheet
SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4718-03	WB-307-SB02	1,2-Dichloroethane-d4	50	36.8	74	70 (74)	130 (125)
		Dibromofluoromethane	50	43.7	87	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.0	90	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VX1107WBL01	VX1107WBL01	1,2-Dichloroethane-d4	50	38.1	76	70 (74)	130 (125)
		Dibromofluoromethane	50	45.9	92	70 (75)	130 (124)
		Toluene-d8	50	48.8	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.7	93	70 (77)	130 (121)
VX1107WBS01	VX1107WBS01	1,2-Dichloroethane-d4	50	42.8	86	70 (74)	130 (125)
		Dibromofluoromethane	50	47.6	95	70 (75)	130 (124)
		Toluene-d8	50	48.7	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.8	98	70 (77)	130 (121)
VX1107WBSD0	VX1107WBSD01	1,2-Dichloroethane-d4	50	43.0	86	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	47.8	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.6	95	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043729.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1107WBS01	Vinyl chloride	20	17.9	ug/L	90			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.2	ug/L	101			70 (74)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.8	ug/L	94			70 (77)	130 (113)	
	Chloroform	20	22.4	ug/L	112			70 (79)	130 (113)	
	Benzene	20	21.5	ug/L	108			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.0	ug/L	100			70 (80)	130 (115)	
	Trichloroethene	20	21.9	ug/L	110			70 (77)	130 (113)	
	Tetrachloroethene	20	20.5	ug/L	103			70 (67)	130 (123)	
	Chlorobenzene	20	22.1	ug/L	111			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043730.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1107WBSD01	Vinyl chloride	20	17.7	ug/L	89	1		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	21.0	ug/L	105	4		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.4	ug/L	92	2		70 (77)	130 (113)	20 (20)
	Chloroform	20	23.7	ug/L	119	6		70 (79)	130 (113)	20 (20)
	Benzene	20	22.0	ug/L	110	2		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.8	ug/L	104	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	21.9	ug/L	110	0		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	21.5	ug/L	108	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	22.0	ug/L	110	1		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1107WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab File ID: VX043728.D Lab Sample ID: VX1107WBL01

Date Analyzed: 11/07/2024 Time Analyzed: 11:53

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
VX1107WBS01	VX1107WBS01	VX043729.D	11/07/2024
VX1107WBSD01	VX1107WBSD01	VX043730.D	11/07/2024
WB-307-SB02	P4718-03	VX043733.D	11/07/2024

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.: P4718 SAS No.: P4718 SDG NO.: P4718

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

Raw Data: **VX043725.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab File ID: VX043725.D BFB Injection Date: 11/07/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:18

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	16.1
75	30.0 - 60.0% of mass 95	46.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.9 (7.6) 1
176	95.0 - 101.0% of mass 174	77.5 (100.3) 1
177	5.0 - 9.0% of mass 176	4.9 (6.3) 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	VX043726.D	11/07/2024	10:46
VX1107WBL01	VX1107WBL01	VX043728.D	11/07/2024	11:53
VX1107WBS01	VX1107WBS01	VX043729.D	11/07/2024	12:19
VX1107WBSD01	VX1107WBSD01	VX043730.D	11/07/2024	12:42
WB-307-SB02	P4718-03	VX043733.D	11/07/2024	13:56

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab File ID: VX043726.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_X Time Analyzed: 10:46

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	96887	5.54	175036	6.76	158336	10.05
UPPER LIMIT	193774	6.044	350072	7.257	316672	10.549
LOWER LIMIT	48443.5	5.044	87518	6.257	79168	9.549
EPA SAMPLE NO.						
WB-307-SB02	74982	5.55	134619	6.76	118244	10.06
VX1107WBL01	93207	5.55	162976	6.76	144247	10.06
VX1107WBS01	82126	5.54	153670	6.76	142458	10.06
VX1107WBSD01	83388	5.55	159680	6.76	147769	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.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab File ID: VX043726.D Date Analyzed: 11/07/2024

Instrument ID: MSVOA_X Time Analyzed: 10:46

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

	IS4 AREA #	RT #				
12 HOUR STD	77959	12.018				
UPPER LIMIT	155918	12.518				
LOWER LIMIT	38979.5	11.518				
EPA SAMPLE NO.						
WB-307-SB02	50308	12.02				
VX1107WBL01	66166	12.02				
VX1107WBS01	70080	12.02				
VX1107WBSD01	69442	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: **VX043733.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02	SDG No.:	P4718
Lab Sample ID:	P4718-03	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043733.D	1		11/07/24 13:56	VX110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	36.8		70 (74) - 130 (125)	74%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		70 (75) - 130 (124)	87%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	75000	5.55			
540-36-3	1,4-Difluorobenzene	135000	6.757			
3114-55-4	Chlorobenzene-d5	118000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50300	12.024			

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: **VX043733.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043733.D
Acq On : 07 Nov 2024 13:56
Operator : JC/MD
Sample : P4718-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Quant Time: Nov 08 04:07:25 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

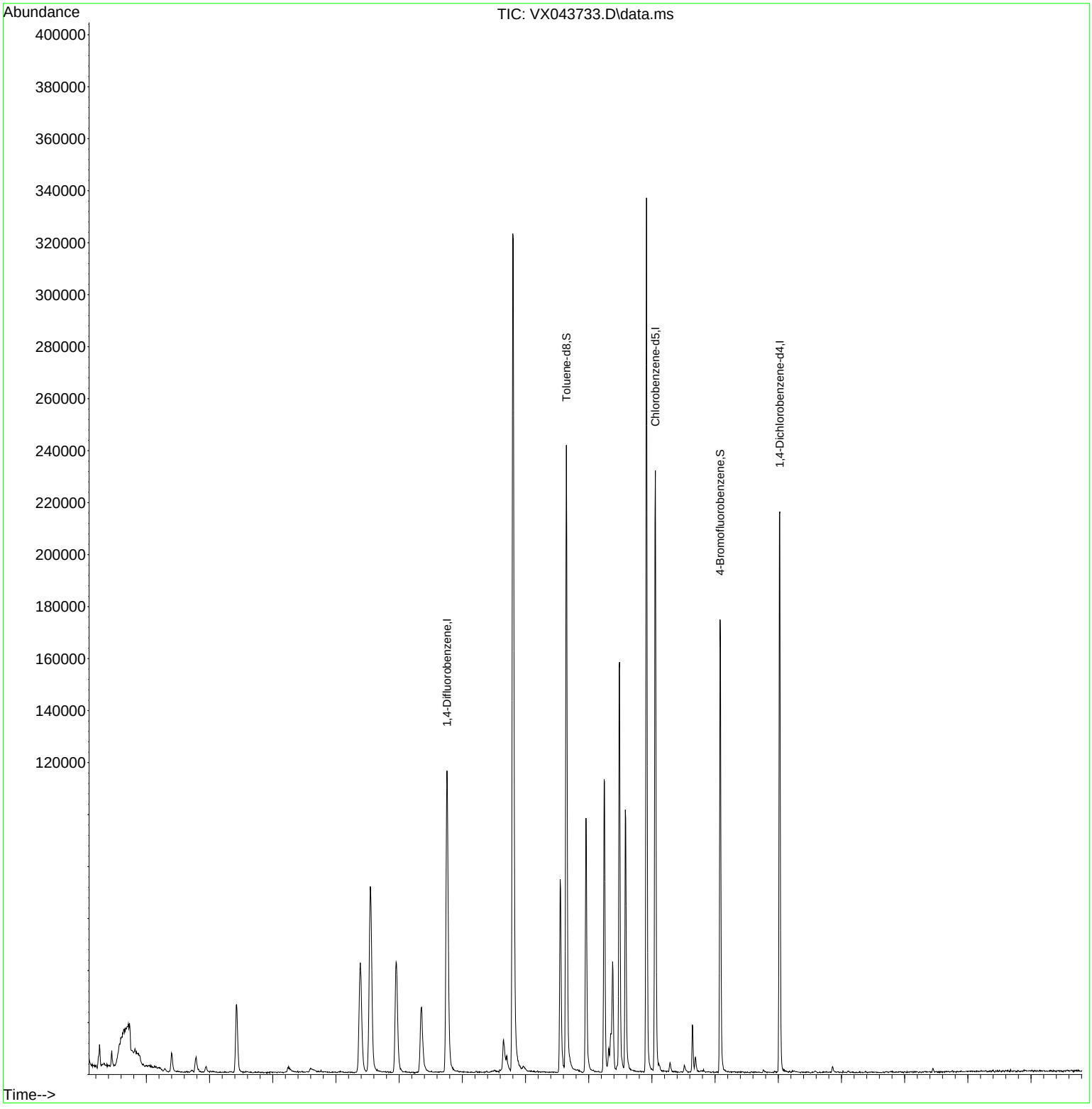
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	74982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134619	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	43950	36.760	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	73.520%#		
35) Dibromofluoromethane	5.385	113	39878	43.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.380%		
50) Toluene-d8	8.647	98	157069	49.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.420%		
62) 4-Bromofluorobenzene	11.079	95	52711	45.017	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.040%		
Target Compounds						Qvalue
16) Acetone	2.404	43	8728	18.383	ug/l	95
20) Methylene Chloride	2.788	84	3524	3.444	ug/l #	87
43) Isopropyl Acetate	6.348	43	39098	17.991	ug/l	97

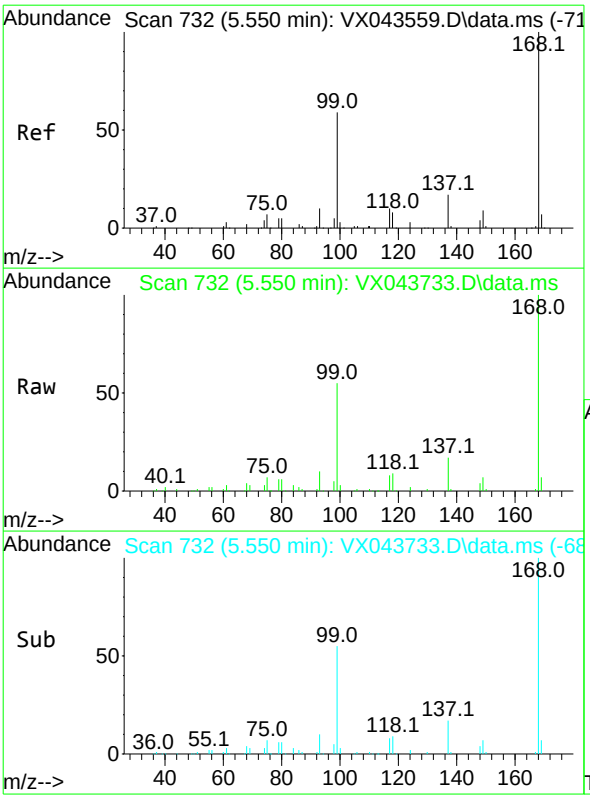
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043733.D
Acq On : 07 Nov 2024 13:56
Operator : JC/MD
Sample : P4718-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Quant Time: Nov 08 04:07:25 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



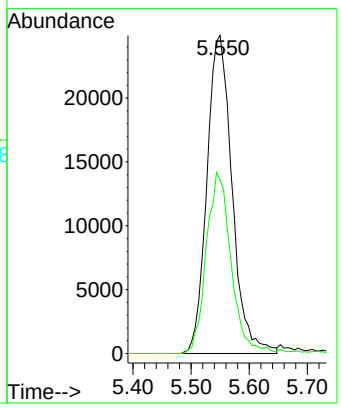


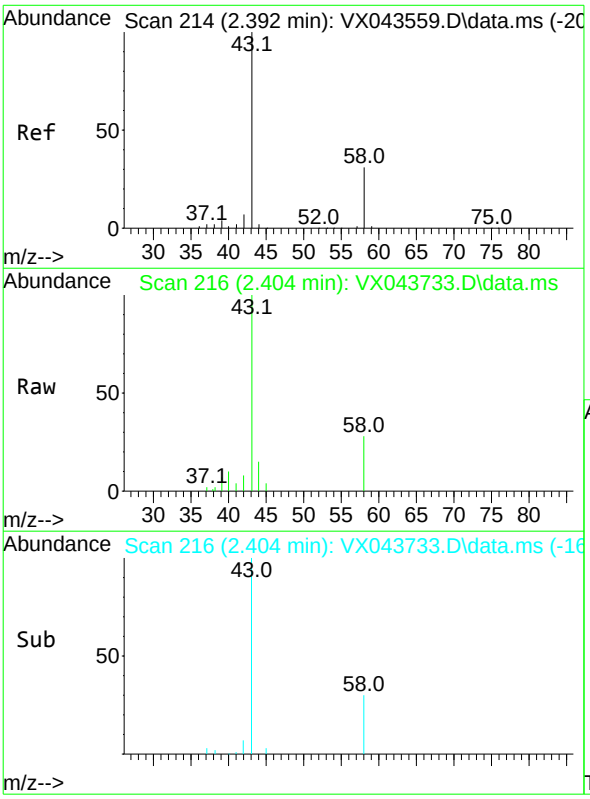
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Tgt Ion:168 Resp: 74982

Ion	Ratio	Lower	Upper
168	100		
99	54.5	52.6	78.8

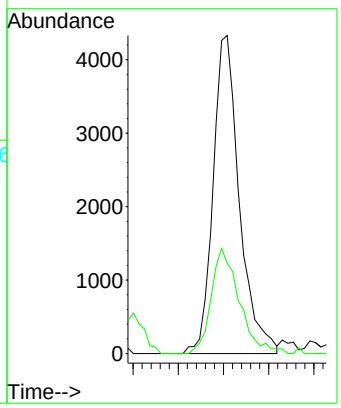


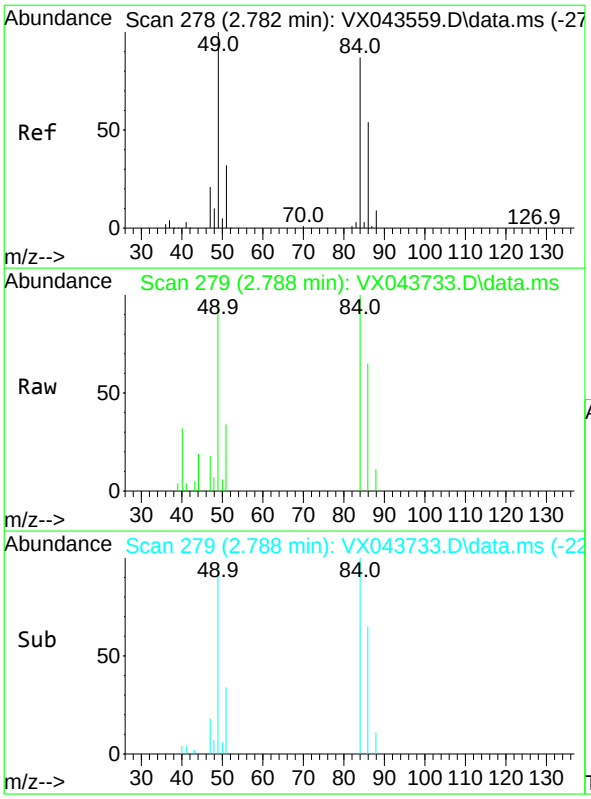


#16
Acetone
Concen: 18.383 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Tgt Ion: 43 Resp: 8728

Ion	Ratio	Lower	Upper
43	100		
58	28.4	25.1	37.7



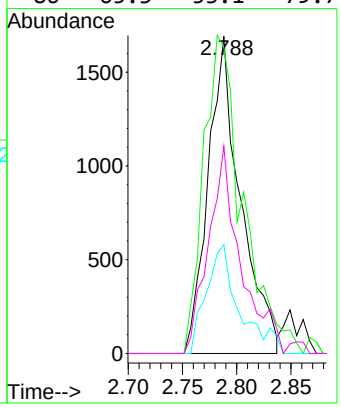


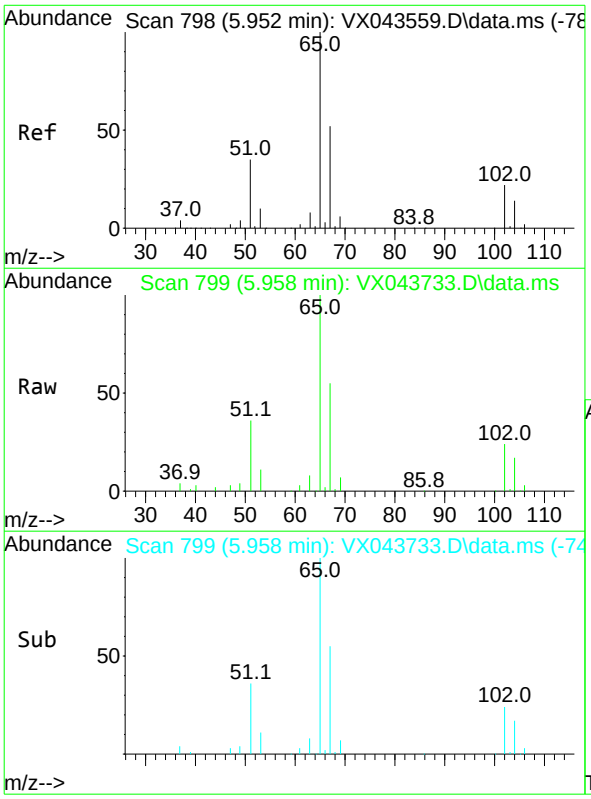
#20
Methylene Chloride
Concen: 3.444 ug/l
RT: 2.788 min Scan# 27
Delta R.T. 0.006 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Tgt Ion: 84 Resp: 3524

Ion	Ratio	Lower	Upper
84	100		
49	96.4	97.0	145.6#
51	34.3	29.8	44.8
86	65.3	53.1	79.7

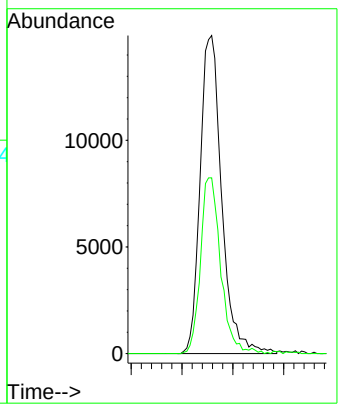


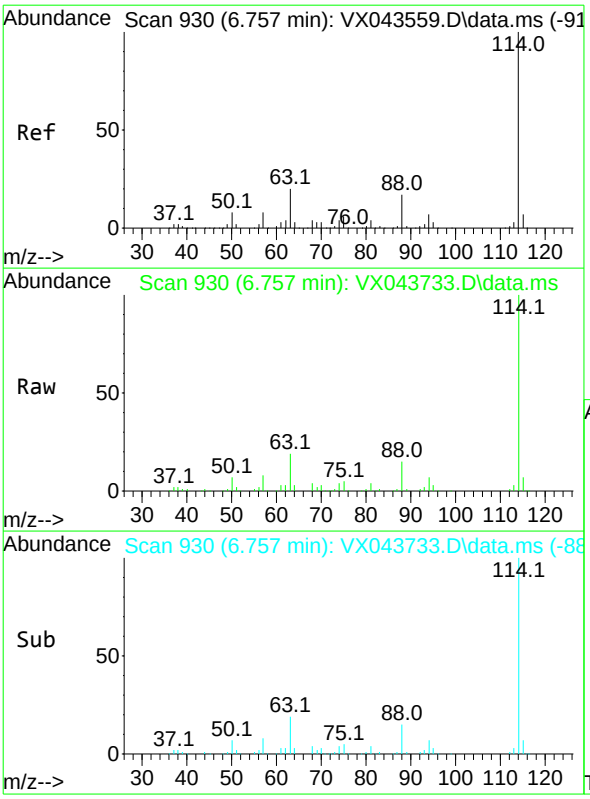


#33
1,2-Dichloroethane-d4
Concen: 36.760 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Tgt Ion: 65 Resp: 43950

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4



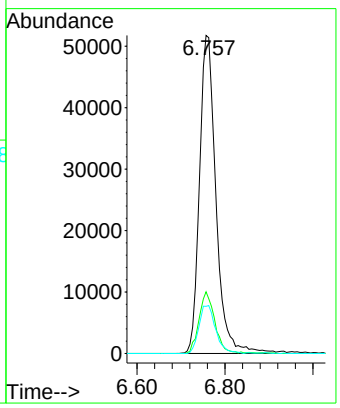


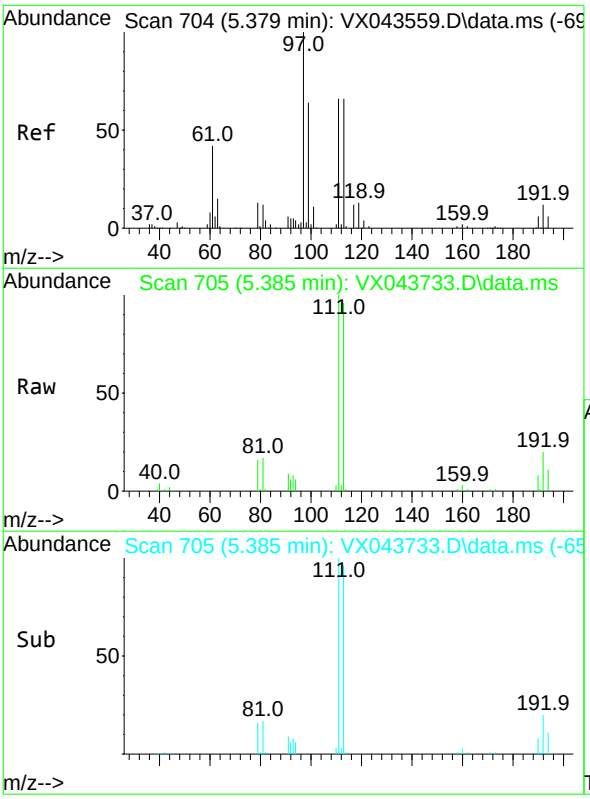
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Tgt Ion:114 Resp: 134619

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.2
88	14.8	0.0	34.0

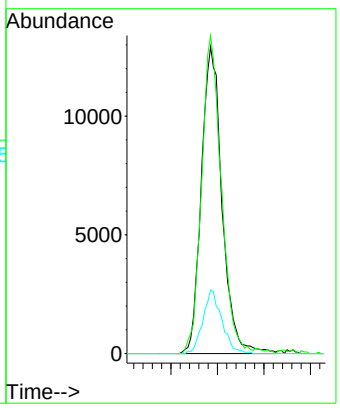


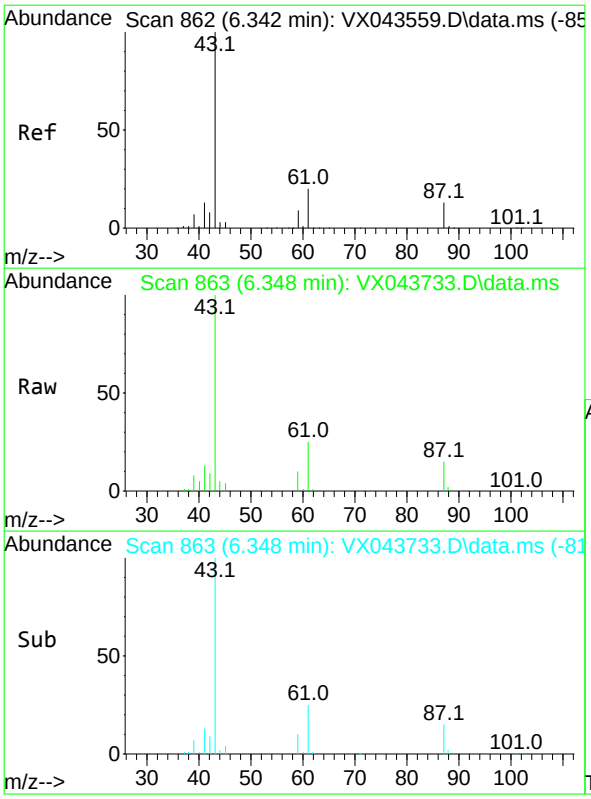


#35
Dibromofluoromethane
Concen: 43.685 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Tgt Ion:113 Resp: 39878

Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.4	122.0
192	19.0	14.1	21.1



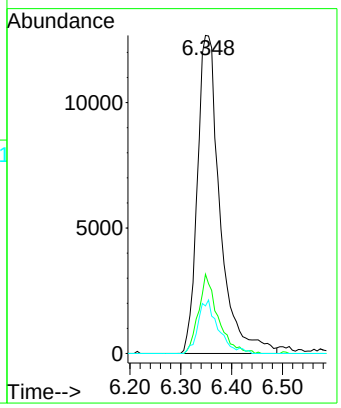


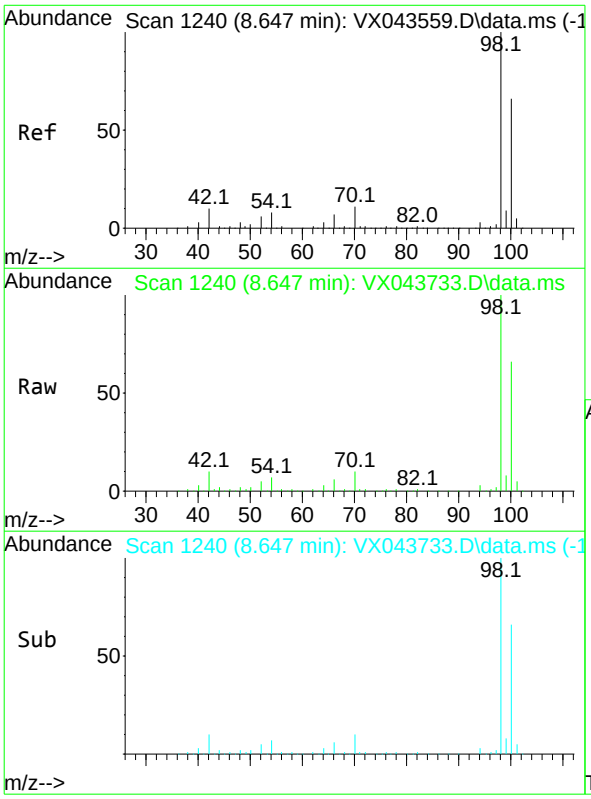
#43
Isopropyl Acetate
Concen: 17.991 ug/l
RT: 6.348 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Tgt Ion: 43 Resp: 39098

Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.2	24.4
87	15.1	11.0	16.6

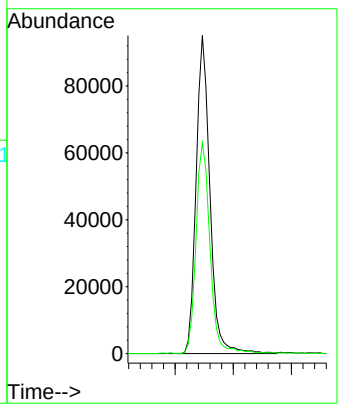


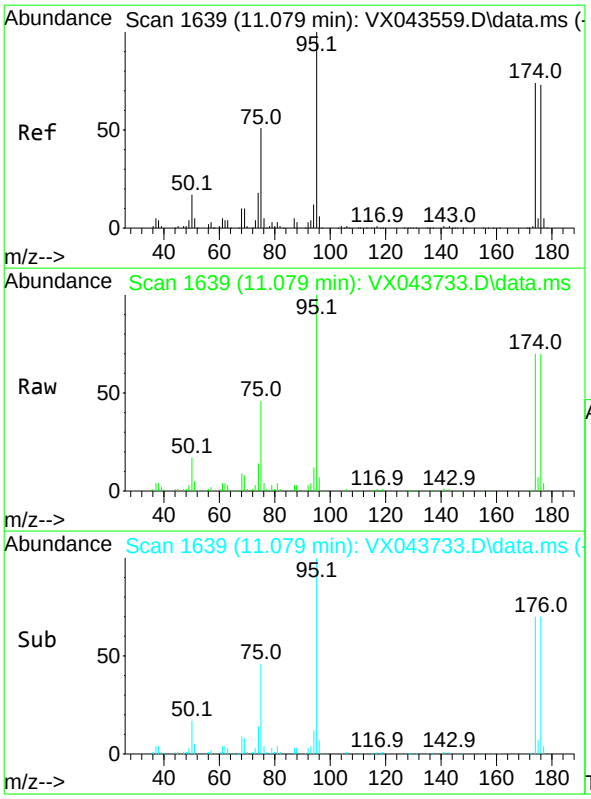


#50
Toluene-d8
Concen: 49.706 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Tgt Ion: 98 Resp: 157069

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2



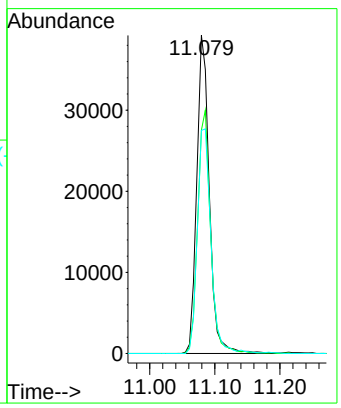


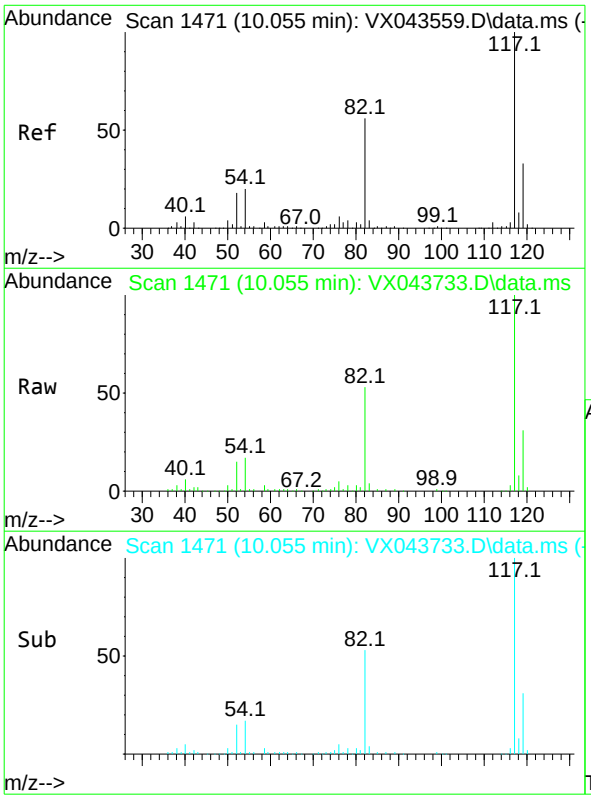
#62
4-Bromofluorobenzene
Concen: 45.017 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Tgt Ion: 95 Resp: 52711

Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	146.6
176	76.4	0.0	139.6

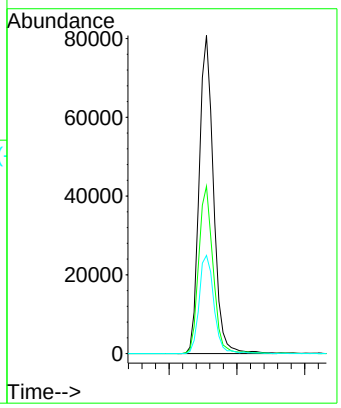


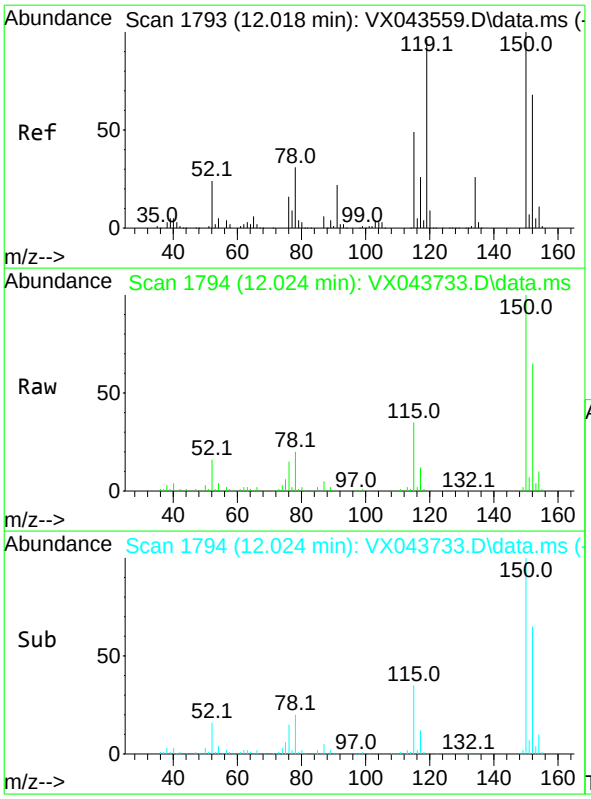


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Tgt Ion:117 Resp: 118244

Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.1	63.1
119	30.9	25.4	38.2



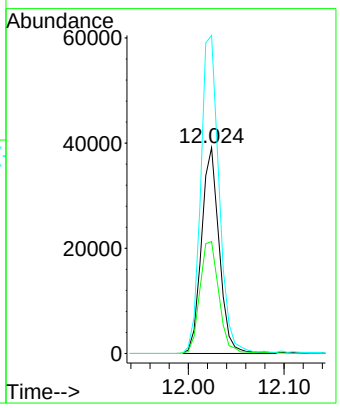


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043733.D
Acq: 07 Nov 2024 13:56

Instrument :
MSVOA_X
ClientSampleId :
WB-307-SB02

Tgt Ion:152 Resp: 50308

Ion	Ratio	Lower	Upper
152	100		
115	58.9	42.9	128.7
150	160.7	0.0	343.6



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

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
Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.2
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3
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
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8
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
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
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

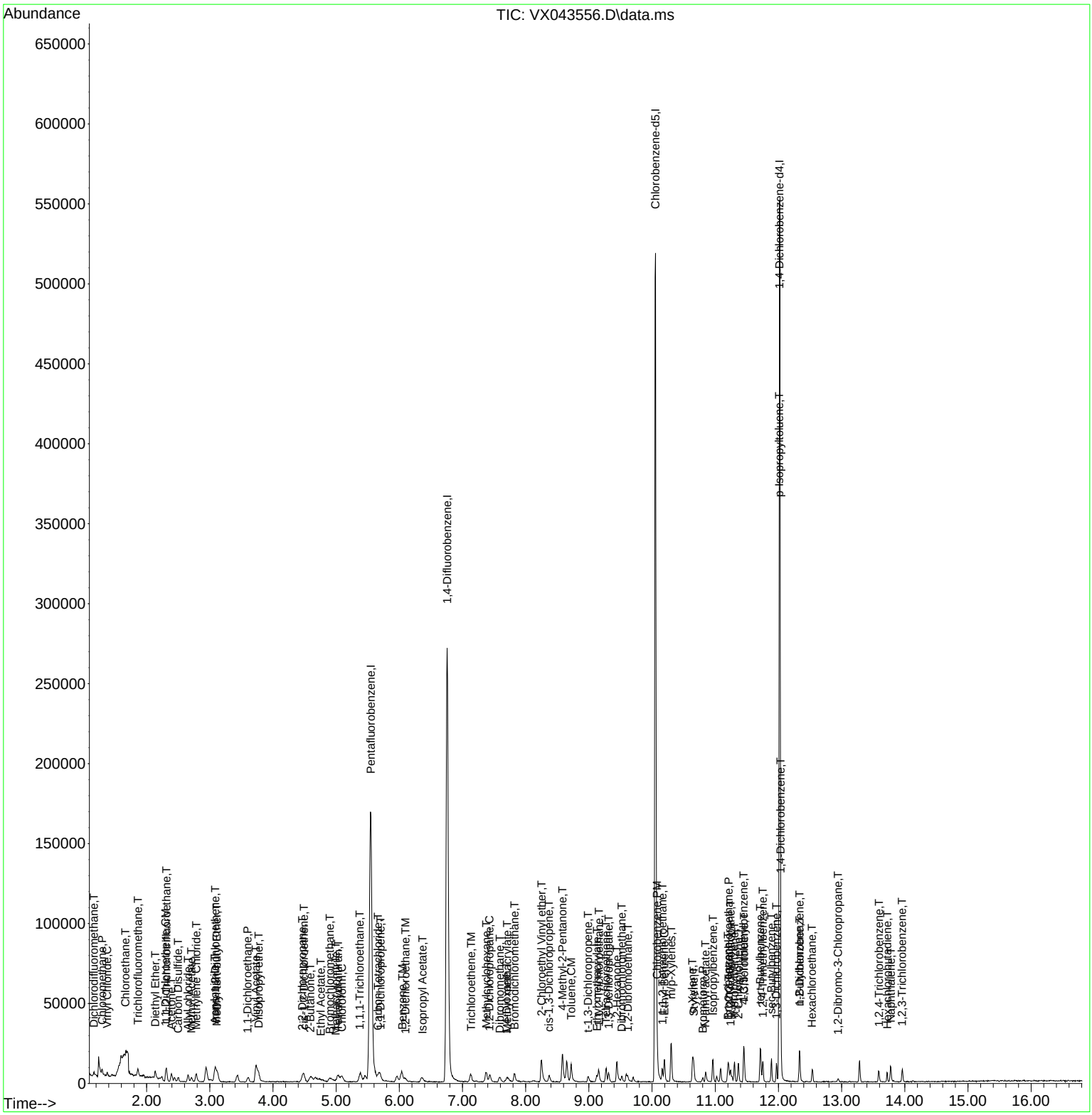
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

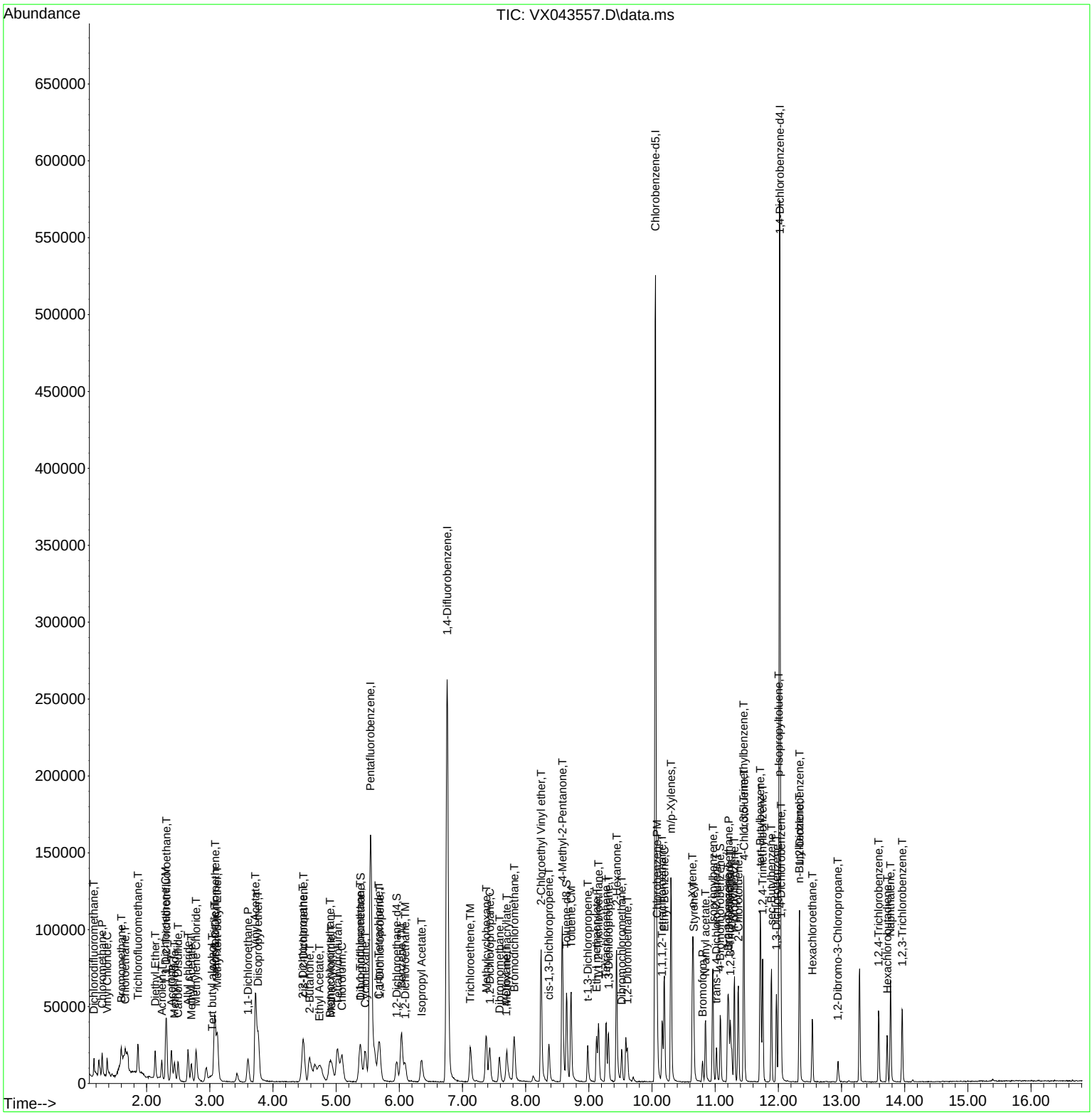
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

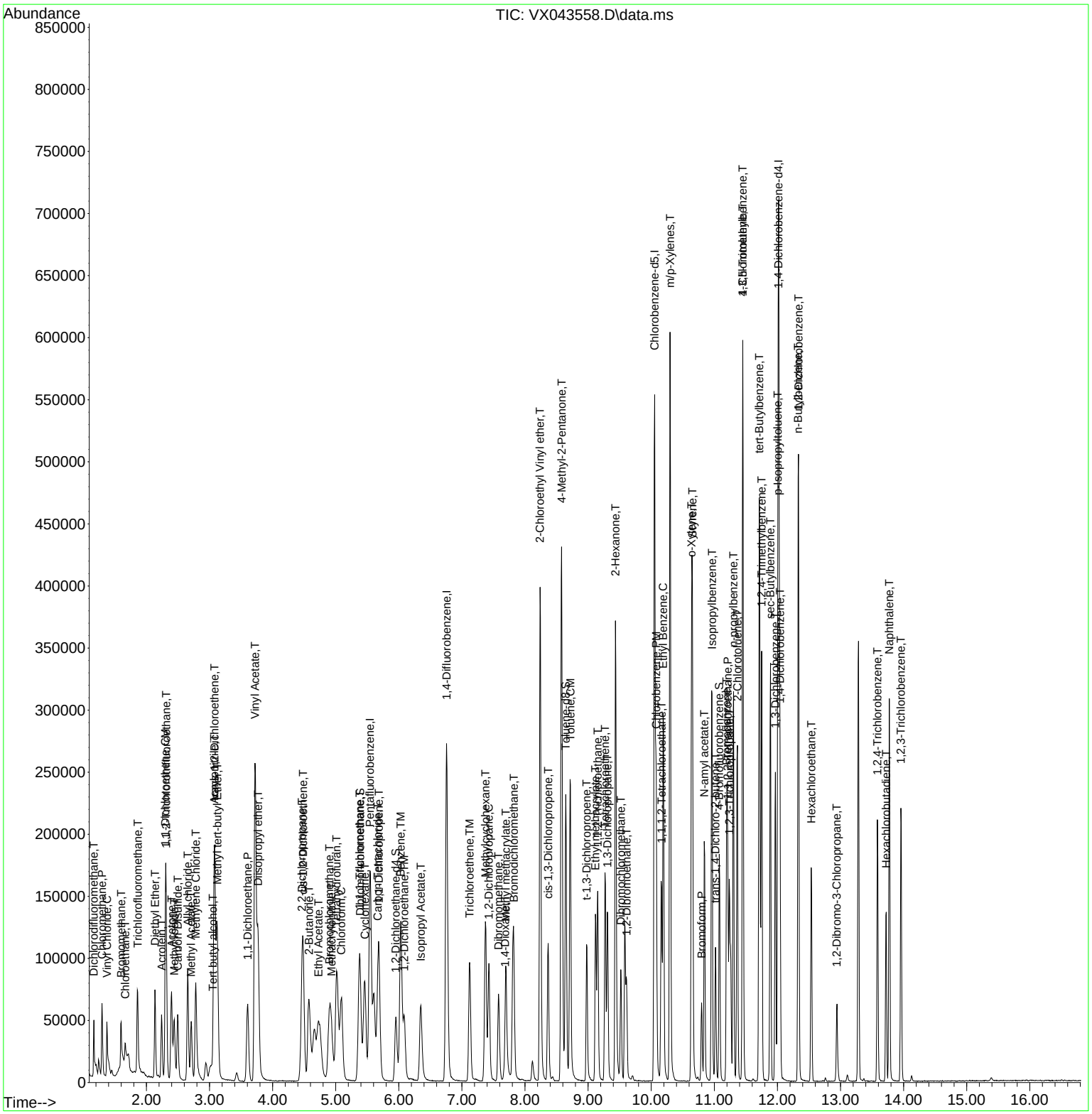
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

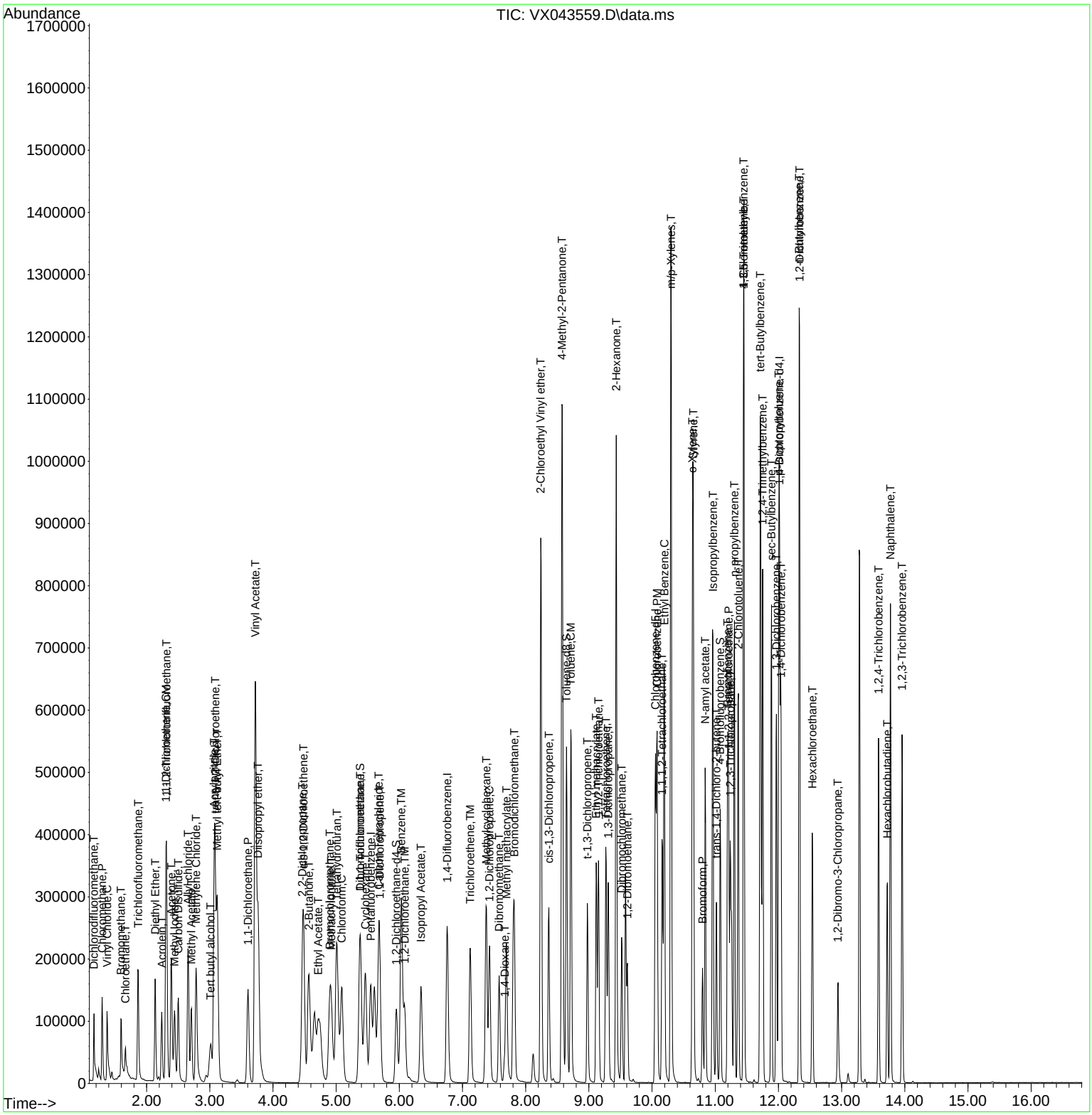
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

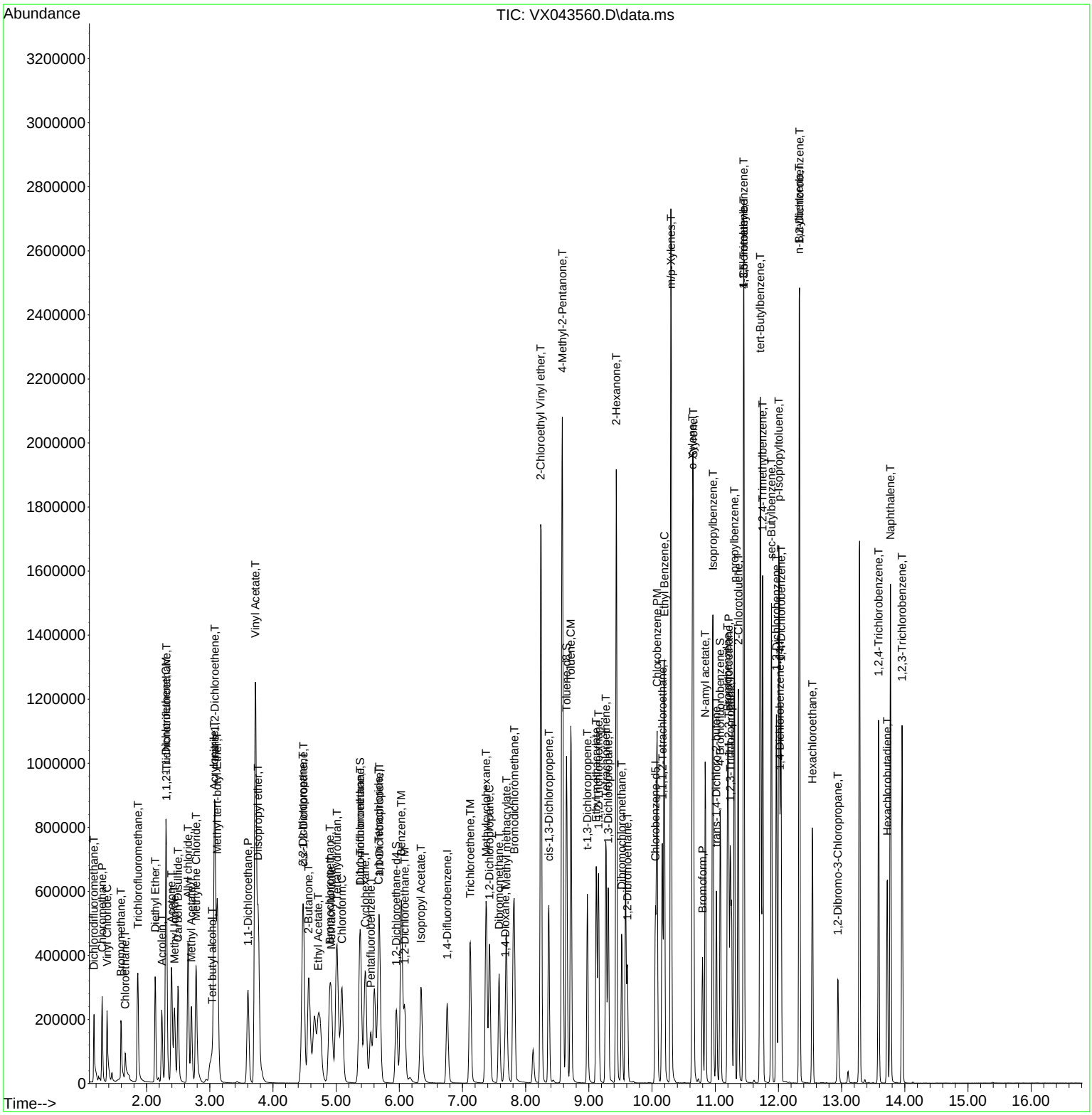
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

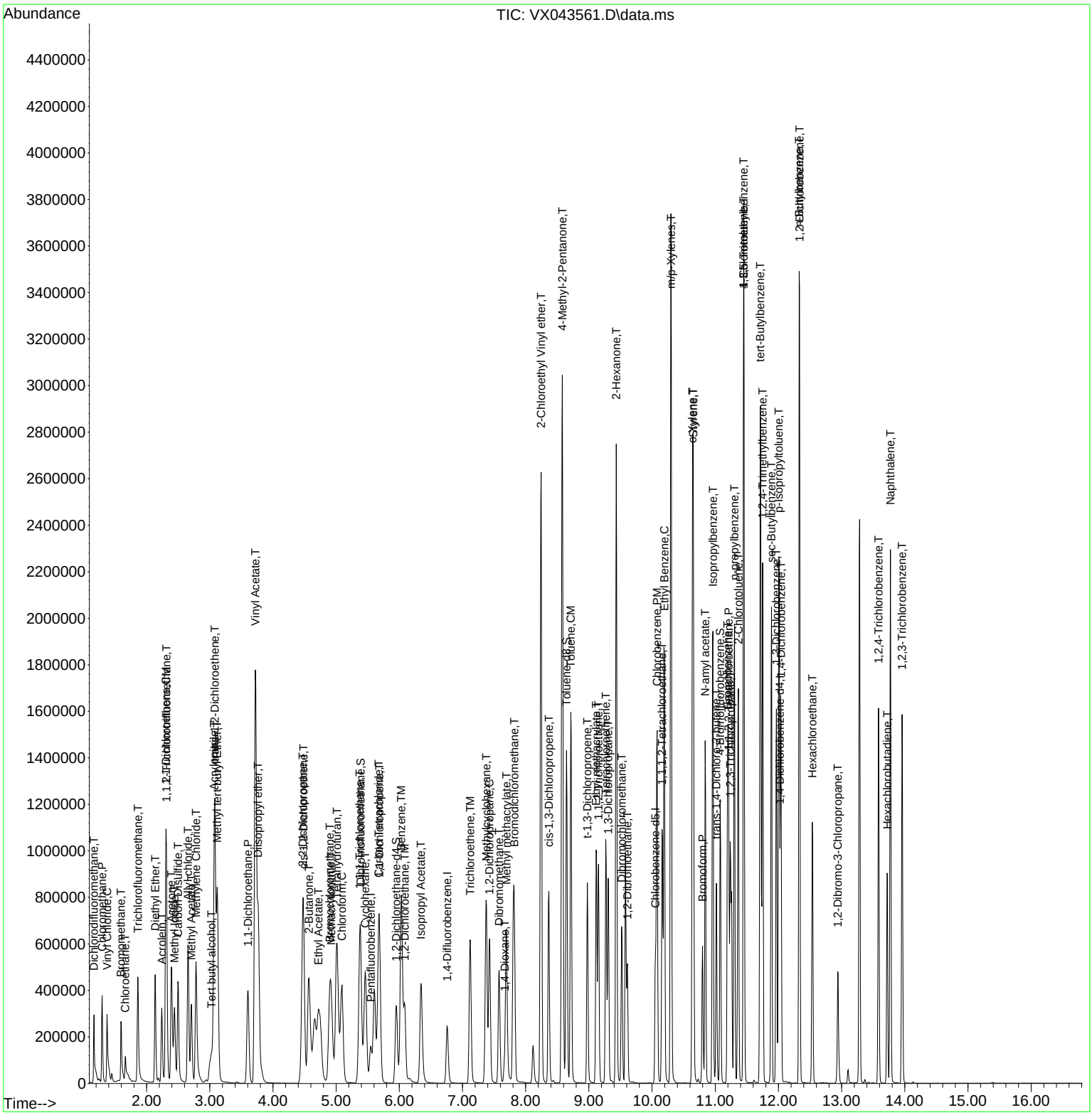
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

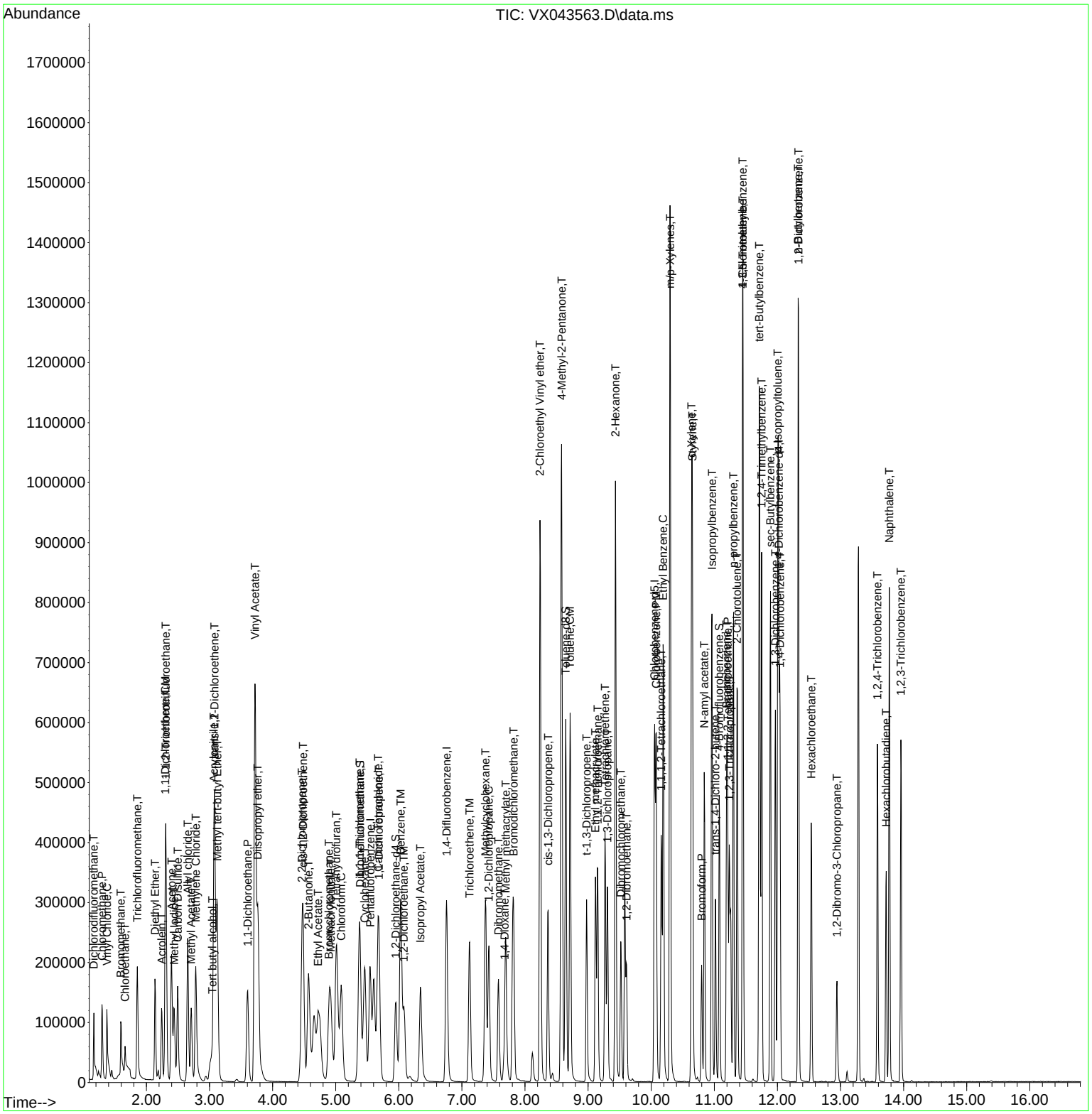
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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



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: **VX043726.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.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: MSVOA_X Calibration Date/Time: 11/07/2024 10:46

Lab File ID: VX043726.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
Vinyl Chloride	0.634	0.517		-18.45	20
1,1-Dichloroethene	0.536	0.495		-7.65	20
2-Butanone	0.462	0.478		3.46	20
Carbon Tetrachloride	0.444	0.402		-9.46	20
Chloroform	1.154	1.135		-1.65	20
Benzene	1.341	1.287		-4.03	20
1,2-Dichloroethane	0.482	0.452		-6.22	20
Trichloroethene	0.333	0.326		-2.1	20
Tetrachloroethene	0.314	0.299		-4.78	20
Chlorobenzene	1.076	1.077	0.3	0.09	20
1,2-Dichloroethane-d4	0.797	0.734		-7.91	20
Dibromofluoromethane	0.339	0.358		5.61	20
Toluene-d8	1.174	1.214		3.41	20
4-Bromofluorobenzene	0.435	0.470		8.05	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\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:02:34 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 :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	96887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175036	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71099	46.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.040%			
35) Dibromofluoromethane	5.379	113	62667	52.798	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	8.647	98	212482	51.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.440%			
62) 4-Bromofluorobenzene	11.079	95	82206	53.995	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	40897	39.470	ug/l	98
3) Chloromethane	1.295	50	51793	39.104	ug/l	97
4) Vinyl Chloride	1.374	62	50074	40.735	ug/l	99
5) Bromomethane	1.593	94	24044	47.980	ug/l	96
6) Chloroethane	1.666	64	23981	55.373	ug/l	99
7) Trichlorofluoromethane	1.868	101	70625	47.030	ug/l	99
8) Diethyl Ether	2.136	74	34334	49.484	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	50924	50.142	ug/l	96
10) Methyl Iodide	2.441	142	75184	51.240	ug/l	94
11) Tert butyl alcohol	2.995	59	76043m	263.716	ug/l	
12) 1,1-Dichloroethene	2.307	96	47930	46.183	ug/l	90
13) Acrolein	2.233	56	45297	200.872	ug/l	99
14) Allyl chloride	2.654	41	81954	45.655	ug/l	93
15) Acrylonitrile	3.063	53	171571	263.537	ug/l	99
16) Acetone	2.386	43	156752	255.512	ug/l	96
17) Carbon Disulfide	2.502	76	84251	38.822	ug/l	97
18) Methyl Acetate	2.703	43	87729	48.929	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	191947	48.632	ug/l	97
20) Methylene Chloride	2.782	84	63254	47.841	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	50495	46.053	ug/l	96
22) Diisopropyl ether	3.764	45	181864	49.015	ug/l	91
23) Vinyl Acetate	3.715	43	761207	248.326	ug/l	97
24) 1,1-Dichloroethane	3.605	63	101280	47.492	ug/l	98
25) 2-Butanone	4.556	43	231416	258.596	ug/l	95
26) 2,2-Dichloropropane	4.465	77	81989	46.968	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	71746	51.224	ug/l	94
28) Bromochloromethane	4.891	49	49092	48.391	ug/l	90
29) Tetrahydrofuran	5.001	42	143888	247.417	ug/l	94
30) Chloroform	5.080	83	110008	49.209	ug/l	95
31) Cyclohexane	5.452	56	70194	43.034	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	84301	44.917	ug/l	97
36) 1,1-Dichloropropene	5.678	75	62253	44.233	ug/l	97
37) Ethyl Acetate	4.715	43	89119	52.158	ug/l	98
38) Carbon Tetrachloride	5.672	117	70414	45.280	ug/l	96
39) Methylcyclohexane	7.373	83	79220	45.337	ug/l	97
40) Benzene	6.032	78	225314	47.989	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:02:34 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 :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	45739	50.998 ug/l	94
42) 1,2-Dichloroethane	6.080	62	79056	46.836 ug/l	97
43) Isopropyl Acetate	6.336	43	136488	48.302 ug/l	97
44) Trichloroethene	7.117	130	57068	48.926 ug/l	91
45) 1,2-Dichloropropane	7.428	63	58488	50.592 ug/l	99
46) Dibromomethane	7.580	93	44452	49.937 ug/l	94
47) Bromodichloromethane	7.818	83	80716	51.689 ug/l	99
48) Methyl methacrylate	7.690	41	63927	47.717 ug/l	94
49) 1,4-Dioxane	7.665	88	26337	956.867 ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	442259	256.791 ug/l	96
52) Toluene	8.714	92	143786	50.497 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	85701	51.097 ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	94554	52.910 ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	64455	54.381 ug/l	98
56) Ethyl methacrylate	9.116	69	99269	51.545 ug/l	91
57) 1,3-Dichloropropane	9.305	76	102262	51.876 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	220555	236.461 ug/l	96
59) 2-Hexanone	9.427	43	340727	260.484 ug/l	95
60) Dibromochloromethane	9.519	129	66205	56.409 ug/l	99
61) 1,2-Dibromoethane	9.604	107	64872	52.726 ug/l	100
64) Tetrachloroethene	9.269	164	47397	47.595 ug/l	93
65) Chlorobenzene	10.080	112	170542	50.064 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	60095	54.010 ug/l	99
67) Ethyl Benzene	10.189	91	261828	47.137 ug/l	99
68) m/p-Xylenes	10.299	106	214987	101.208 ug/l	94
69) o-Xylene	10.640	106	110658	51.848 ug/l	93
70) Styrene	10.653	104	188922	53.257 ug/l	99
71) Bromoform	10.799	173	43229	54.035 ug/l #	97
73) Isopropylbenzene	10.957	105	258677	46.842 ug/l	99
74) N-amyl acetate	10.842	43	118262	43.961 ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	98355	49.529 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	81778m	49.061 ug/l	
77) Bromobenzene	11.195	156	73130	51.285 ug/l	95
78) n-propylbenzene	11.299	91	290283	48.211 ug/l	98
79) 2-Chlorotoluene	11.360	91	191423	47.944 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	222419	48.305 ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	31025	51.204 ug/l	90
82) 4-Chlorotoluene	11.451	91	218621	48.785 ug/l	94
83) tert-Butylbenzene	11.713	119	226162	48.296 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	234939	50.067 ug/l	97
85) sec-Butylbenzene	11.890	105	267606	48.754 ug/l	99
86) p-Isopropyltoluene	12.006	119	229151	49.115 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	132648	51.900 ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	135442	51.143 ug/l	97
89) n-Butylbenzene	12.329	91	187426	49.300 ug/l	98
90) Hexachloroethane	12.536	117	37580	49.587 ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	136634	52.280 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19558	48.312 ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	85302	53.772 ug/l	99
94) Hexachlorobutadiene	13.725	225	28424	48.597 ug/l	97
95) Naphthalene	13.774	128	307571	50.666 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	89578	53.557 ug/l	97

Sample Results: **VX043726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:02:34 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 :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

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

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

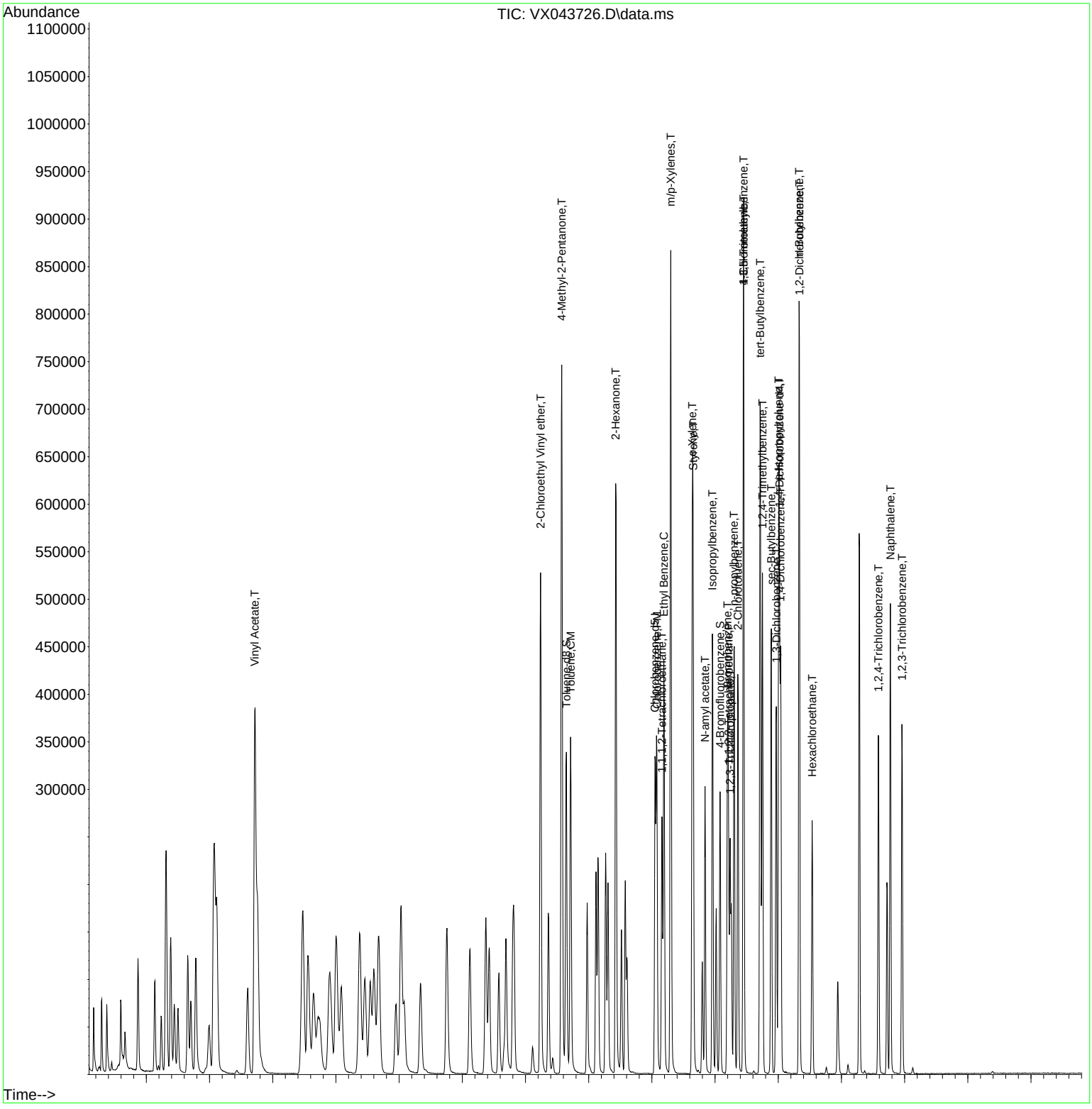
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:02:34 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 :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024



Sample Results: **VX043726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 04:02:34 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	65	0.00
2	T	Dichlorodifluoromethane	0.535	0.422	21.1	54	0.00
3	P	Chloromethane	0.684	0.535	21.8	53	0.00
4	C	Vinyl Chloride	0.634	0.517	18.5#	53	0.00
5	T	Bromomethane	0.259	0.248	4.2	62	0.00
6	T	Chloroethane	0.223	0.248	-11.2	71	0.00
7	T	Trichlorofluoromethane	0.775	0.729	5.9	61	0.01
8	T	Diethyl Ether	0.358	0.354	1.1	65	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.526	-0.4	65	0.00
10	T	Methyl Iodide	0.757	0.776	-2.5	65	0.00
11	T	Tert butyl alcohol	0.149	0.157	-5.4	66	-0.05
12	CM	1,1-Dichloroethene	0.536	0.495	7.6#	60	0.00
13	T	Acrolein	0.116	0.094	19.0	56	0.00
14	T	Allyl chloride	0.926	0.846	8.6	58	0.00
15	T	Acrylonitrile	0.336	0.354	-5.4	66	-0.01
16	T	Acetone	0.317	0.324	-2.2	67	-0.01
17	T	Carbon Disulfide	1.120	0.870	22.3	50#	0.00
18	T	Methyl Acetate	0.925	0.905	2.2	64	0.00
19	T	Methyl tert-butyl Ether	2.037	1.981	2.7	62	-0.01
20	T	Methylene Chloride	0.682	0.653	4.3	64	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.521	8.0	60	0.00
22	T	Diisopropyl ether	1.915	1.877	2.0	63	0.00
23	T	Vinyl Acetate	1.582	1.571	0.7	61	0.00
24	P	1,1-Dichloroethane	1.101	1.045	5.1	61	0.00
25	T	2-Butanone	0.462	0.478	-3.5	64	-0.01
26	T	2,2-Dichloropropane	0.901	0.846	6.1	62	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.741	-2.5	65	0.00
28	T	Bromochloromethane	0.524	0.507	3.2	65	0.00
29	T	Tetrahydrofuran	0.300	0.297	1.0	62	-0.01
30	C	Chloroform	1.154	1.135	1.6#	64	-0.01
31	T	Cyclohexane	0.842	0.724	14.0	56	0.00
32	T	1,1,1-Trichloroethane	0.969	0.870	10.2	57	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.734	7.9	61	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	65	0.00
35	S	Dibromofluoromethane	0.339	0.358	-5.6	69	0.00
36	T	1,1-Dichloropropene	0.402	0.356	11.4	59	0.00
37	T	Ethyl Acetate	0.488	0.509	-4.3	65	0.00
38	T	Carbon Tetrachloride	0.444	0.402	9.5	59	0.00
39	T	Methylcyclohexane	0.499	0.453	9.2	57	0.00
40	TM	Benzene	1.341	1.287	4.0	61	0.00
41	T	Methacrylonitrile	0.256	0.261	-2.0	62	0.00
42	TM	1,2-Dichloroethane	0.482	0.452	6.2	59	0.00
43	T	Isopropyl Acetate	0.807	0.780	3.3	60	0.00
44	TM	Trichloroethene	0.333	0.326	2.1	62	0.00
45	C	1,2-Dichloropropane	0.330	0.334	-1.2#	64	0.00
46	T	Dibromomethane	0.254	0.254	0.0	63	0.00
47	T	Bromodichloromethane	0.446	0.461	-3.4	63	0.00
48	T	Methyl methacrylate	0.383	0.365	4.7	59	0.00

Sample Results: **VX043726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 04:02:34 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	59	0.00
50	S	Toluene-d8	1.174	1.214	-3.4	67	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.505	-2.6	62	0.00
52	CM	Toluene	0.813	0.821	-1.0#	63	0.00
53	T	t-1,3-Dichloropropene	0.479	0.490	-2.3	62	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.540	-5.9	64	0.00
55	T	1,1,2-Trichloroethane	0.339	0.368	-8.6	67	0.00
56	T	Ethyl methacrylate	0.550	0.567	-3.1	62	0.00
57	T	1,3-Dichloropropane	0.563	0.584	-3.7	64	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.252	5.3	61	0.00
59	T	2-Hexanone	0.374	0.389	-4.0	63	0.00
60	T	Dibromochloromethane	0.335	0.378	-12.8	67	0.00
61	T	1,2-Dibromoethane	0.351	0.371	-5.7	65	0.00
62	S	4-Bromofluorobenzene	0.435	0.470	-8.0	68	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	66	0.00
64	T	Tetrachloroethene	0.314	0.299	4.8	64	0.00
65	PM	Chlorobenzene	1.076	1.077	-0.1	67	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.380	-8.3	68	0.00
67	C	Ethyl Benzene	1.754	1.654	5.7#	62	0.00
68	T	m/p-Xylenes	0.671	0.679	-1.2	65	0.00
69	T	o-Xylene	0.674	0.699	-3.7	67	0.00
70	T	Styrene	1.120	1.193	-6.5	67	0.00
71	P	Bromoform	0.253	0.273	-7.9	66	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	68	0.00
73	T	Isopropylbenzene	3.542	3.318	6.3	63	0.00
74	T	N-amyl acetate	1.725	1.517	12.1	58	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.262	0.9	66	0.00
76	T	1,2,3-Trichloropropane	1.069	1.049	1.9	67	0.00
77	T	Bromobenzene	0.915	0.938	-2.5	69	0.00
78	T	n-propylbenzene	3.862	3.724	3.6	63	0.00
79	T	2-Chlorotoluene	2.561	2.455	4.1	66	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.853	3.4	64	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.398	-2.3	65	0.00
82	T	4-Chlorotoluene	2.874	2.804	2.4	66	0.00
83	T	tert-Butylbenzene	3.003	2.901	3.4	65	0.00
84	T	1,2,4-Trimethylbenzene	3.010	3.014	-0.1	66	0.00
85	T	sec-Butylbenzene	3.520	3.433	2.5	64	0.00
86	T	p-Isopropyltoluene	2.992	2.939	1.8	64	0.00
87	T	1,3-Dichlorobenzene	1.639	1.702	-3.8	70	0.00
88	T	1,4-Dichlorobenzene	1.699	1.737	-2.2	71	0.00
89	T	n-Butylbenzene	2.438	2.404	1.4	63	0.00
90	T	Hexachloroethane	0.486	0.482	0.8	63	0.00
91	T	1,2-Dichlorobenzene	1.676	1.753	-4.6	69	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.251	3.5	61	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.094	-7.6	69	0.00
94	T	Hexachlorobutadiene	0.375	0.365	2.7	66	0.00
95	T	Naphthalene	3.893	3.945	-1.3	65	0.00

Sample Results: **VX043726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 04:02:34 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	1.149	-7.1	71	0.00

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

Sample Results: **VX043726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 04:02:34 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	65	0.00
2	T	Dichlorodifluoromethane	50.000	39.470	21.1	54	0.00
3	P	Chloromethane	50.000	39.104	21.8	53	0.00
4	C	Vinyl Chloride	50.000	40.735	18.5#	53	0.00
5	T	Bromomethane	50.000	47.980	4.0	62	0.00
6	T	Chloroethane	50.000	55.373	-10.7	71	0.00
7	T	Trichlorofluoromethane	50.000	47.030	5.9	61	0.01
8	T	Diethyl Ether	50.000	49.484	1.0	65	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.142	-0.3	65	0.00
10	T	Methyl Iodide	50.000	51.240	-2.5	65	0.00
11	T	Tert butyl alcohol	250.000	263.716	-5.5	66	-0.05
12	CM	1,1-Dichloroethene	50.000	46.183	7.6#	60	0.00
13	T	Acrolein	250.000	200.872	19.7	56	0.00
14	T	Allyl chloride	50.000	45.655	8.7	58	0.00
15	T	Acrylonitrile	250.000	263.537	-5.4	66	-0.01
16	T	Acetone	250.000	255.512	-2.2	67	-0.01
17	T	Carbon Disulfide	50.000	38.822	22.4	50	0.00
18	T	Methyl Acetate	50.000	48.929	2.1	64	0.00
19	T	Methyl tert-butyl Ether	50.000	48.632	2.7	62	-0.01
20	T	Methylene Chloride	50.000	47.841	4.3	64	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.053	7.9	60	0.00
22	T	Diisopropyl ether	50.000	49.015	2.0	63	0.00
23	T	Vinyl Acetate	250.000	248.326	0.7	61	0.00
24	P	1,1-Dichloroethane	50.000	47.492	5.0	61	0.00
25	T	2-Butanone	250.000	258.596	-3.4	64	-0.01
26	T	2,2-Dichloropropane	50.000	46.968	6.1	62	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.224	-2.4	65	0.00
28	T	Bromochloromethane	50.000	48.391	3.2	65	0.00
29	T	Tetrahydrofuran	250.000	247.417	1.0	62	-0.01
30	C	Chloroform	50.000	49.209	1.6#	64	-0.01
31	T	Cyclohexane	50.000	43.034	13.9	56	0.00
32	T	1,1,1-Trichloroethane	50.000	44.917	10.2	57	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.022	8.0	61	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	65	0.00
35	S	Dibromofluoromethane	50.000	52.798	-5.6	69	0.00
36	T	1,1-Dichloropropene	50.000	44.233	11.5	59	0.00
37	T	Ethyl Acetate	50.000	52.158	-4.3	65	0.00
38	T	Carbon Tetrachloride	50.000	45.280	9.4	59	0.00
39	T	Methylcyclohexane	50.000	45.337	9.3	57	0.00
40	TM	Benzene	50.000	47.989	4.0	61	0.00
41	T	Methacrylonitrile	50.000	50.998	-2.0	62	0.00
42	TM	1,2-Dichloroethane	50.000	46.836	6.3	59	0.00
43	T	Isopropyl Acetate	50.000	48.302	3.4	60	0.00
44	TM	Trichloroethene	50.000	48.926	2.1	62	0.00
45	C	1,2-Dichloropropane	50.000	50.592	-1.2#	64	0.00
46	T	Dibromomethane	50.000	49.937	0.1	63	0.00
47	T	Bromodichloromethane	50.000	51.689	-3.4	63	0.00
48	T	Methyl methacrylate	50.000	47.717	4.6	59	0.00

Sample Results: **VX043726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 04:02:34 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	956.867	4.3	59	0.00
50	S	Toluene-d8	50.000	51.716	-3.4	67	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.791	-2.7	62	0.00
52	CM	Toluene	50.000	50.497	-1.0#	63	0.00
53	T	t-1,3-Dichloropropene	50.000	51.097	-2.2	62	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.910	-5.8	64	0.00
55	T	1,1,2-Trichloroethane	50.000	54.381	-8.8	67	0.00
56	T	Ethyl methacrylate	50.000	51.545	-3.1	62	0.00
57	T	1,3-Dichloropropane	50.000	51.876	-3.8	64	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	236.461	5.4	61	0.00
59	T	2-Hexanone	250.000	260.484	-4.2	63	0.00
60	T	Dibromochloromethane	50.000	56.409	-12.8	67	0.00
61	T	1,2-Dibromoethane	50.000	52.726	-5.5	65	0.00
62	S	4-Bromofluorobenzene	50.000	53.995	-8.0	68	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	66	0.00
64	T	Tetrachloroethene	50.000	47.595	4.8	64	0.00
65	PM	Chlorobenzene	50.000	50.064	-0.1	67	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.010	-8.0	68	0.00
67	C	Ethyl Benzene	50.000	47.137	5.7#	62	0.00
68	T	m/p-Xylenes	100.000	101.208	-1.2	65	0.00
69	T	o-Xylene	50.000	51.848	-3.7	67	0.00
70	T	Styrene	50.000	53.257	-6.5	67	0.00
71	P	Bromoform	50.000	54.035	-8.1	66	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	68	0.00
73	T	Isopropylbenzene	50.000	46.842	6.3	63	0.00
74	T	N-amyl acetate	50.000	43.961	12.1	58	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.529	0.9	66	0.00
76	T	1,2,3-Trichloropropane	50.000	49.061	1.9	67	0.00
77	T	Bromobenzene	50.000	51.285	-2.6	69	0.00
78	T	n-propylbenzene	50.000	48.211	3.6	63	0.00
79	T	2-Chlorotoluene	50.000	47.944	4.1	66	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.305	3.4	64	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.204	-2.4	65	0.00
82	T	4-Chlorotoluene	50.000	48.785	2.4	66	0.00
83	T	tert-Butylbenzene	50.000	48.296	3.4	65	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.067	-0.1	66	0.00
85	T	sec-Butylbenzene	50.000	48.754	2.5	64	0.00
86	T	p-Isopropyltoluene	50.000	49.115	1.8	64	0.00
87	T	1,3-Dichlorobenzene	50.000	51.900	-3.8	70	0.00
88	T	1,4-Dichlorobenzene	50.000	51.143	-2.3	71	0.00
89	T	n-Butylbenzene	50.000	49.300	1.4	63	0.00
90	T	Hexachloroethane	50.000	49.587	0.8	63	0.00
91	T	1,2-Dichlorobenzene	50.000	52.280	-4.6	69	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.312	3.4	61	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.772	-7.5	69	0.00
94	T	Hexachlorobutadiene	50.000	48.597	2.8	66	0.00
95	T	Naphthalene	50.000	50.666	-1.3	65	0.00

Sample Results: **VX043726.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043726.D
Acq On : 07 Nov 2024 10:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 08 04:02:34 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	53.557	-7.1	71	0.00

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

QC SAMPLE DATA

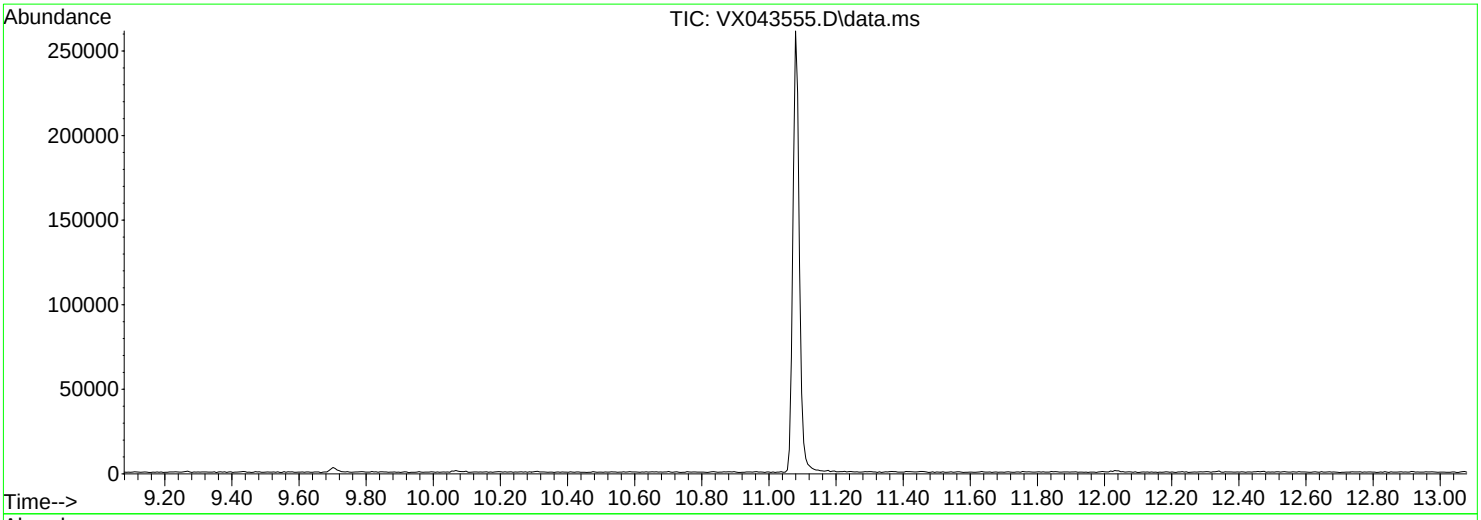
Sample Results: **VX043555.D**

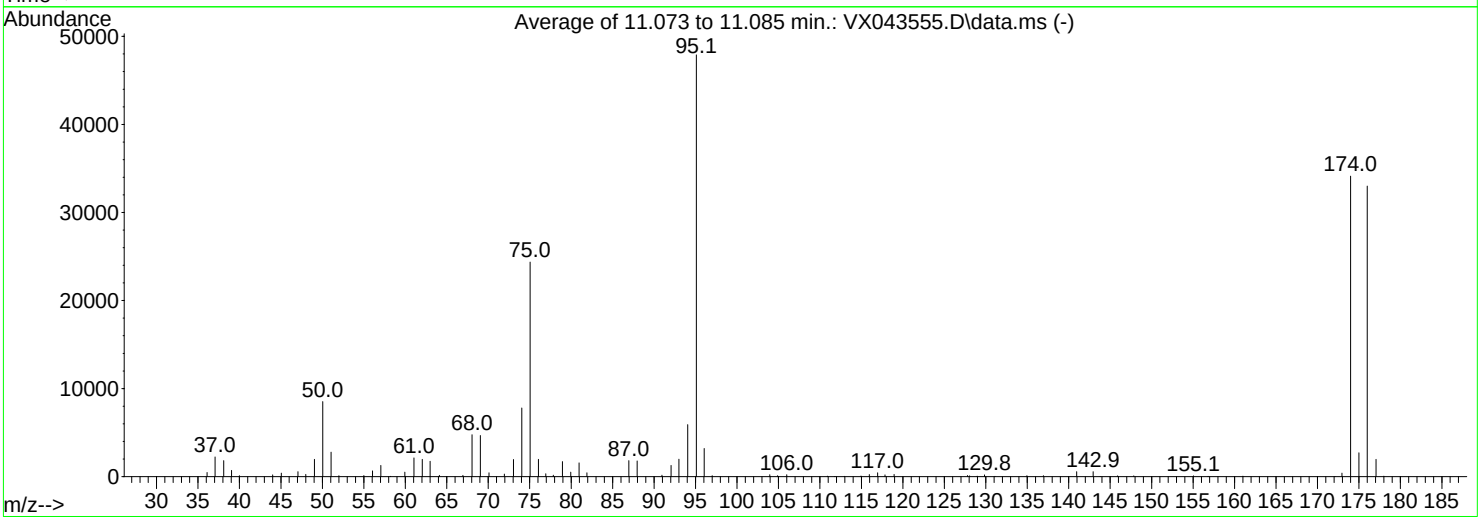
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043555.D
Acq On : 28 Oct 2024 10:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

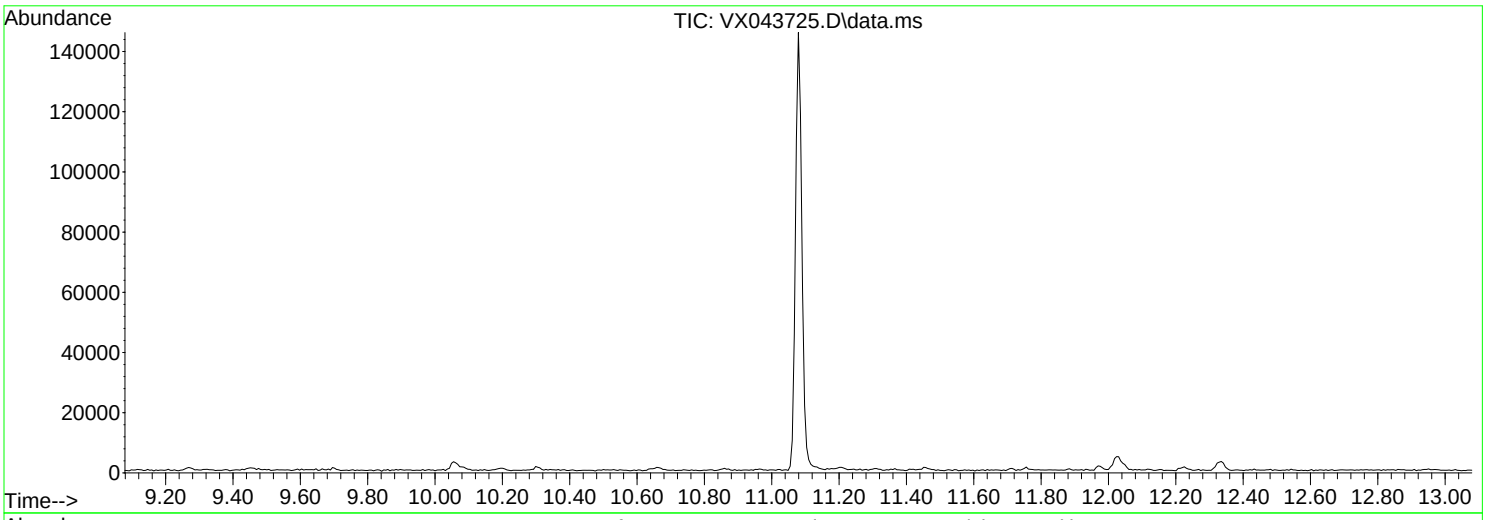
Sample Results: **VX043725.D**

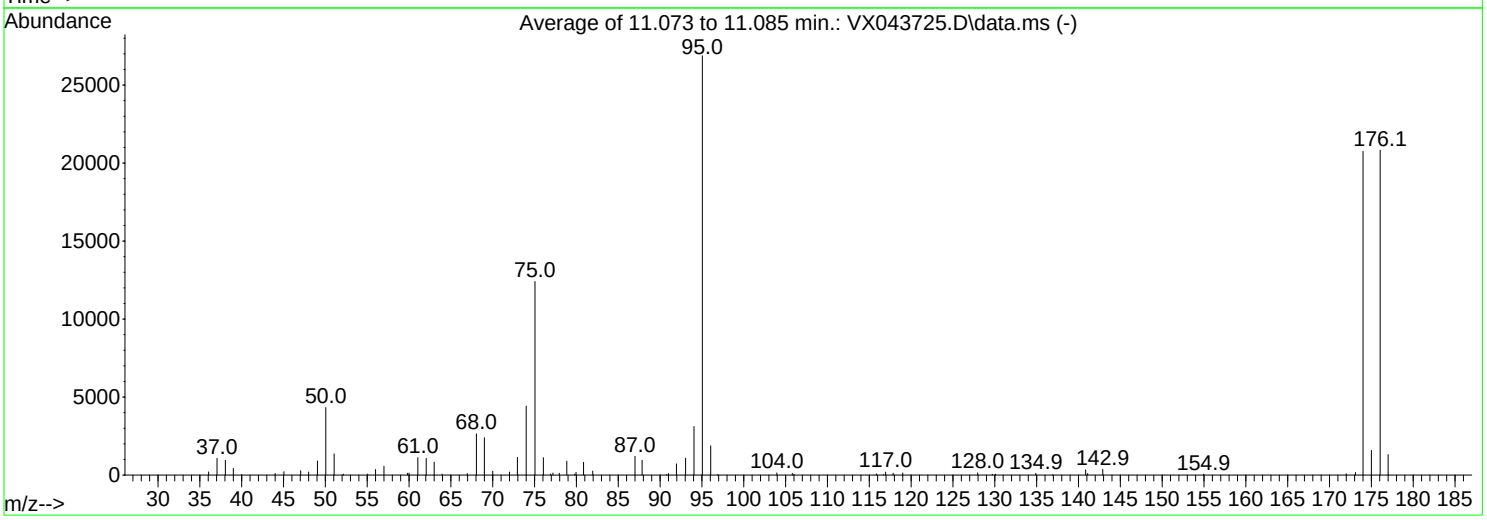
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043725.D
Acq On : 07 Nov 2024 10:18
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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	16.1	4328	PASS
75	95	30	60	46.2	12408	PASS
95	95	100	100	100.0	26880	PASS
96	95	5	9	7.0	1881	PASS
173	174	0.00	2	0.8	163	PASS
174	95	50	100	77.2	20756	PASS
175	174	5	9	7.6	1582	PASS
176	174	95	101	100.3	20826	PASS
177	176	5	9	6.3	1310	PASS

Raw Data: **VX043728.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:	VX1107WBL01	SDG No.:	P4718
Lab Sample ID:	VX1107WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043728.D	1		11/07/24 11:53	VX110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	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
67-66-3	Chloroform	0.26	U	0.26	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
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
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	38.1		70 (74) - 130 (125)	76%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		70 (75) - 130 (124)	92%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	93200	5.55			
540-36-3	1,4-Difluorobenzene	163000	6.757			
3114-55-4	Chlorobenzene-d5	144000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	66200	12.024			

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\VX110724\
Data File : VX043728.D
Acq On : 07 Nov 2024 11:53
Operator : JC/MD
Sample : VX1107WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Quant Time: Nov 08 04:04:15 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

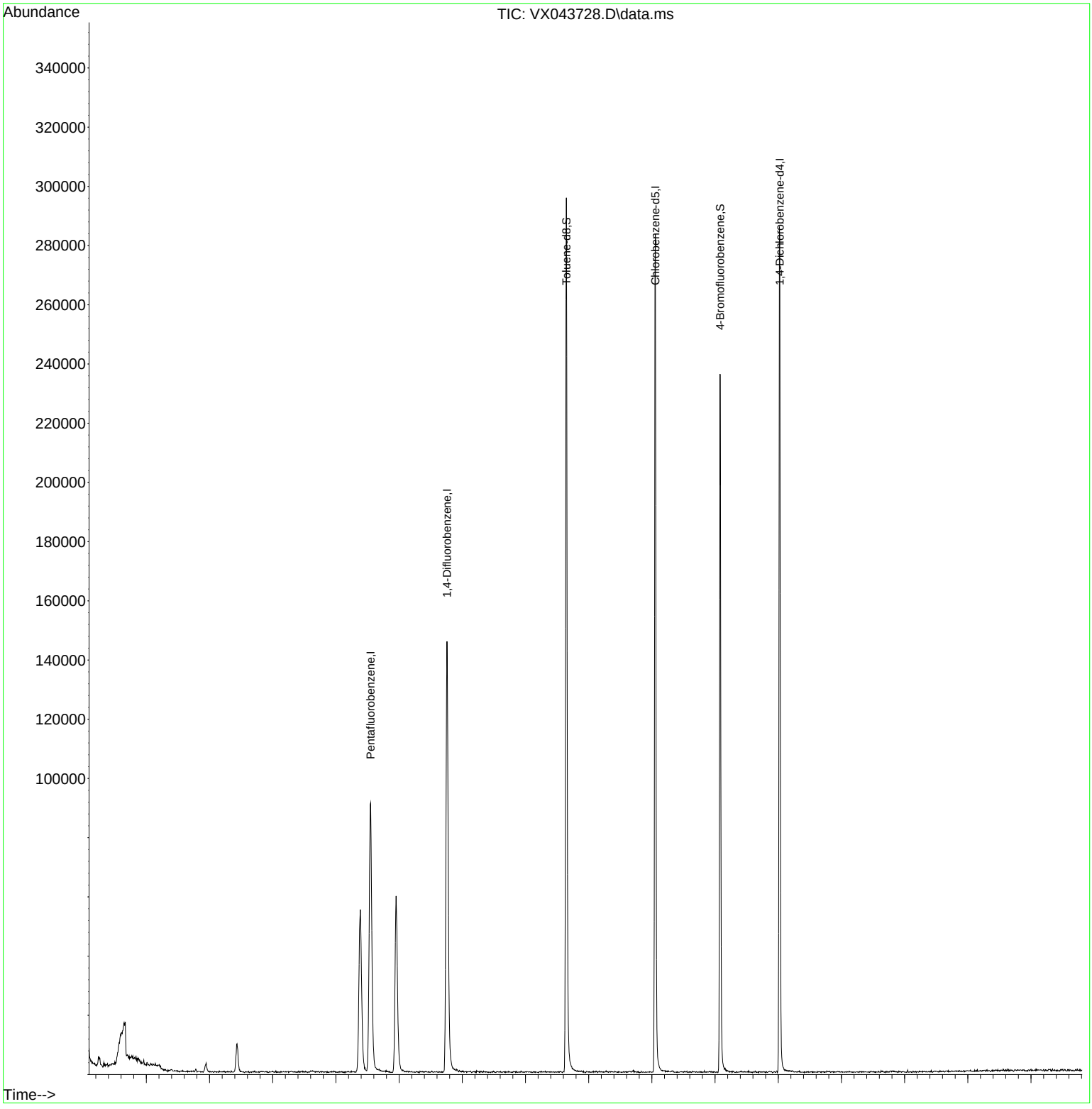
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	93207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	144247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	66166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56688	38.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 76.280%			
35) Dibromofluoromethane	5.385	113	50670	45.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.700%			
50) Toluene-d8	8.647	98	186832	48.838	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.680%			
62) 4-Bromofluorobenzene	11.079	95	66258	46.741	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.480%			
Target Compounds						Qvalue

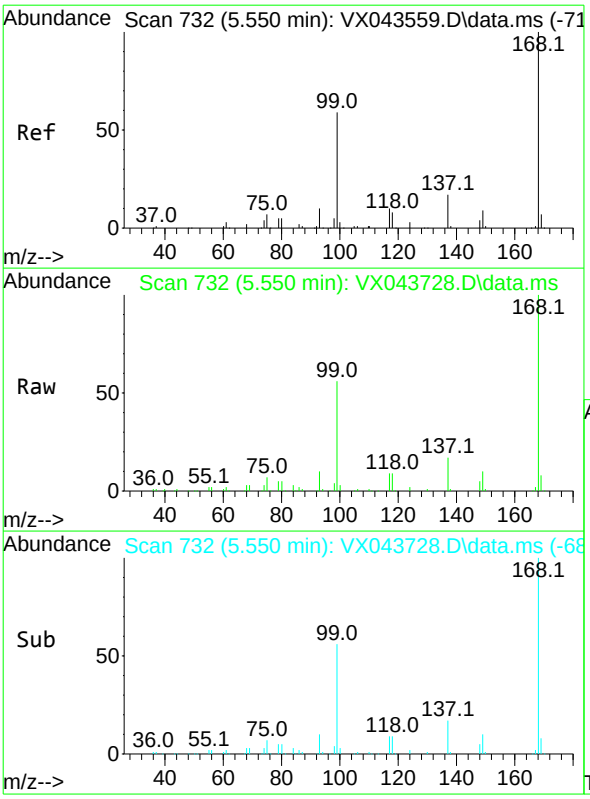
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043728.D
Acq On : 07 Nov 2024 11:53
Operator : JC/MD
Sample : VX1107WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Quant Time: Nov 08 04:04:15 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



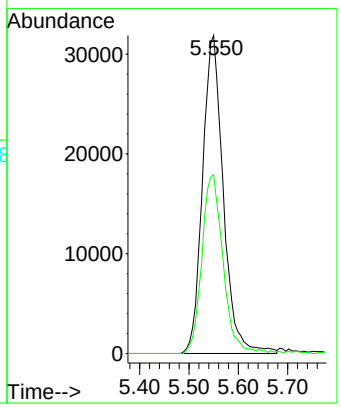


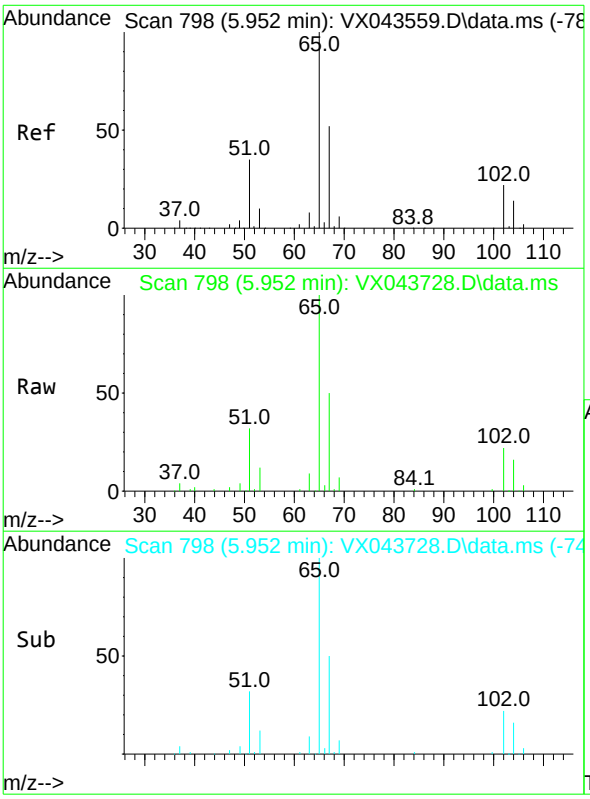
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Tgt Ion:168 Resp: 93207

Ion	Ratio	Lower	Upper
168	100		
99	56.2	52.6	78.8

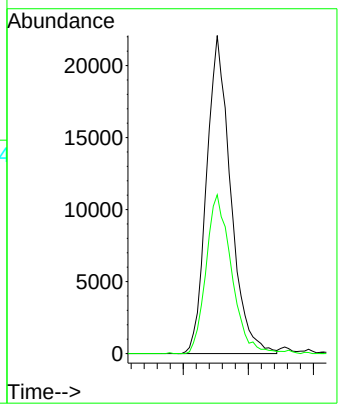


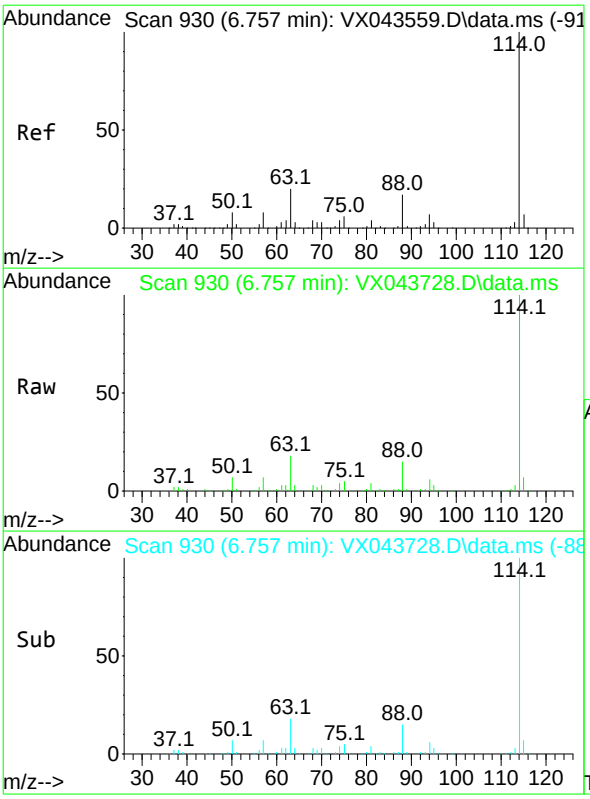


#33
1,2-Dichloroethane-d4
Concen: 38.143 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Tgt Ion: 65 Resp: 56688

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.4



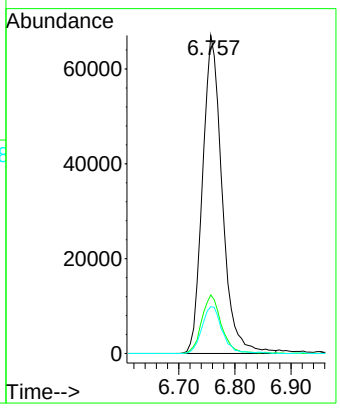


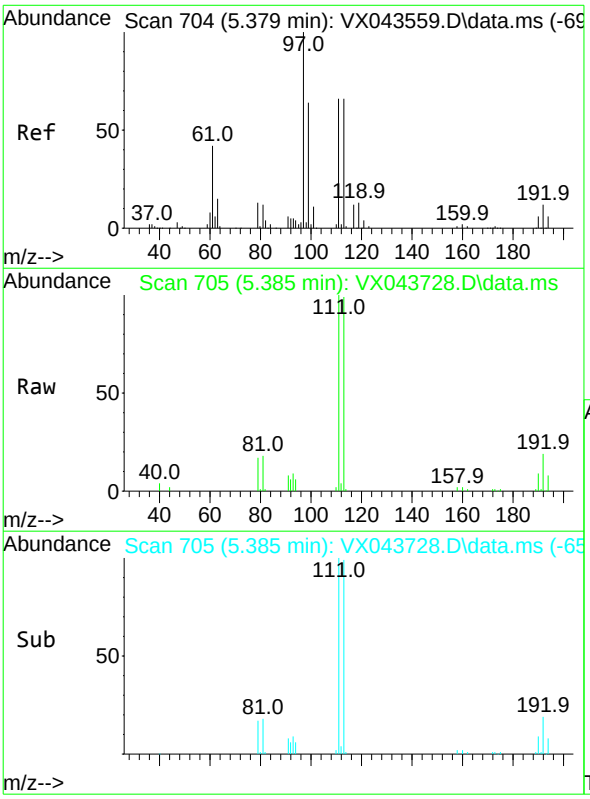
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Tgt Ion:114 Resp: 162976

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	41.2
88	14.7	0.0	34.0

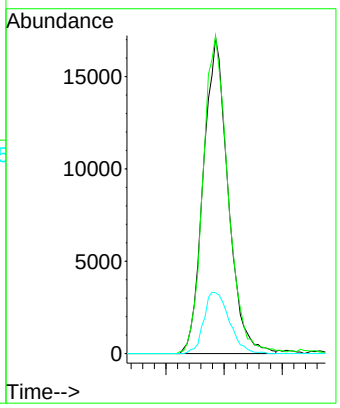


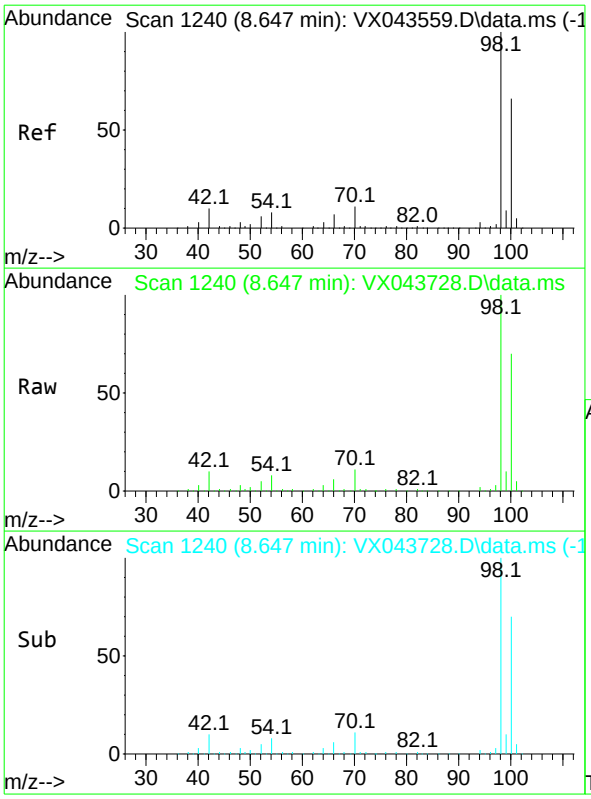


#35
Dibromofluoromethane
Concen: 45.850 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Tgt Ion:113 Resp: 50670

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.0
192	20.0	14.1	21.1



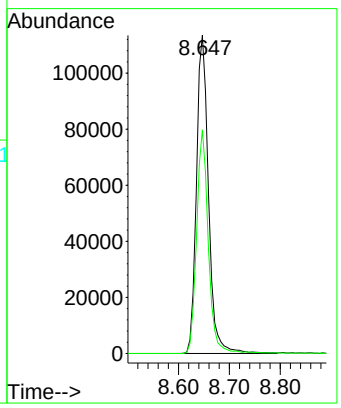


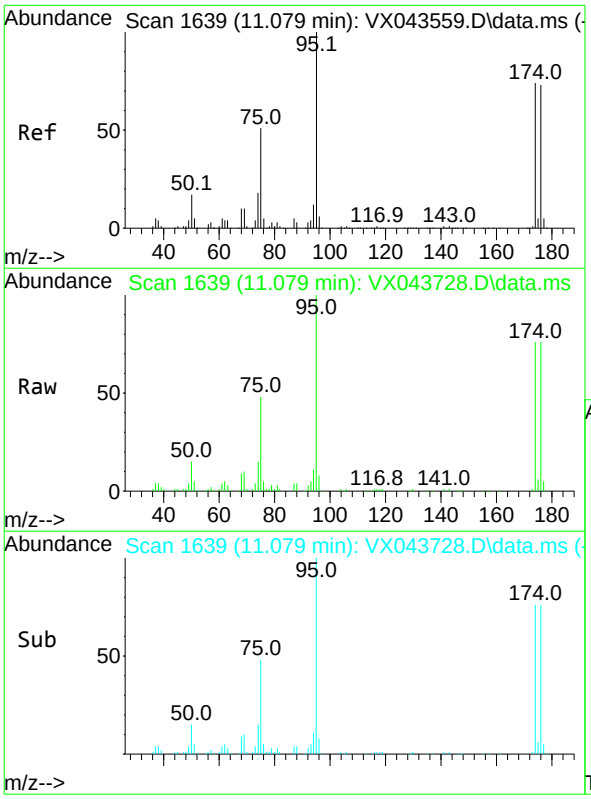
#50
Toluene-d8
Concen: 48.838 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Tgt Ion: 98 Resp: 186832

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.4	80.2

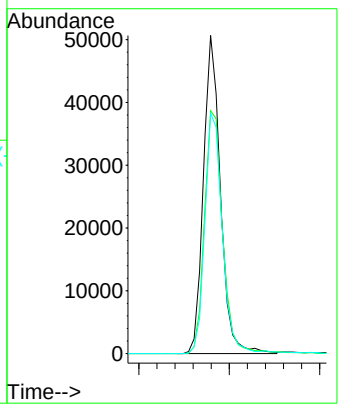


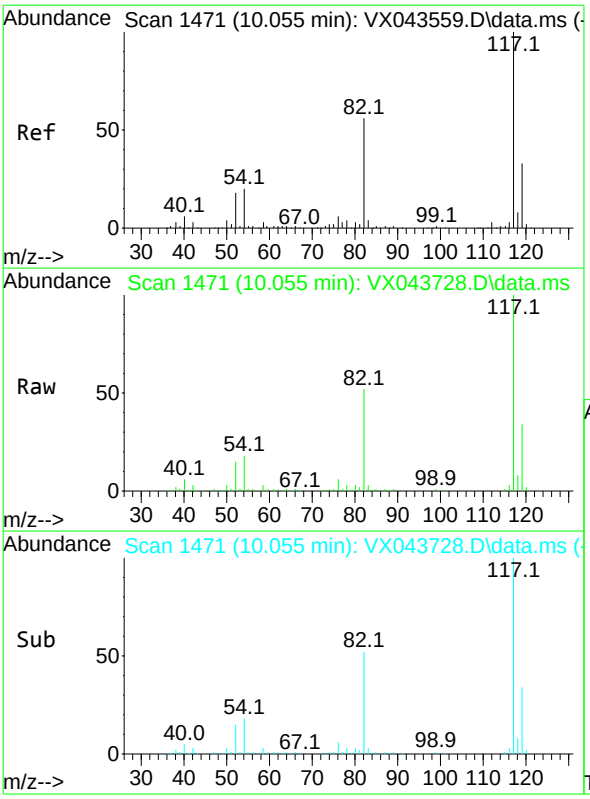


#62
4-Bromofluorobenzene
Concen: 46.741 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Tgt Ion: 95 Resp: 66258

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	146.6
176	78.4	0.0	139.6



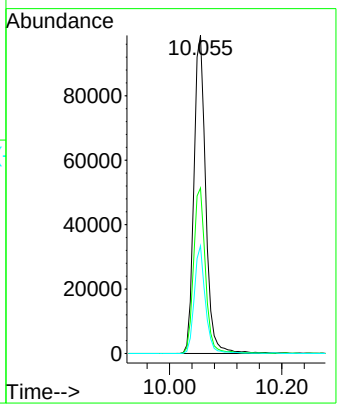


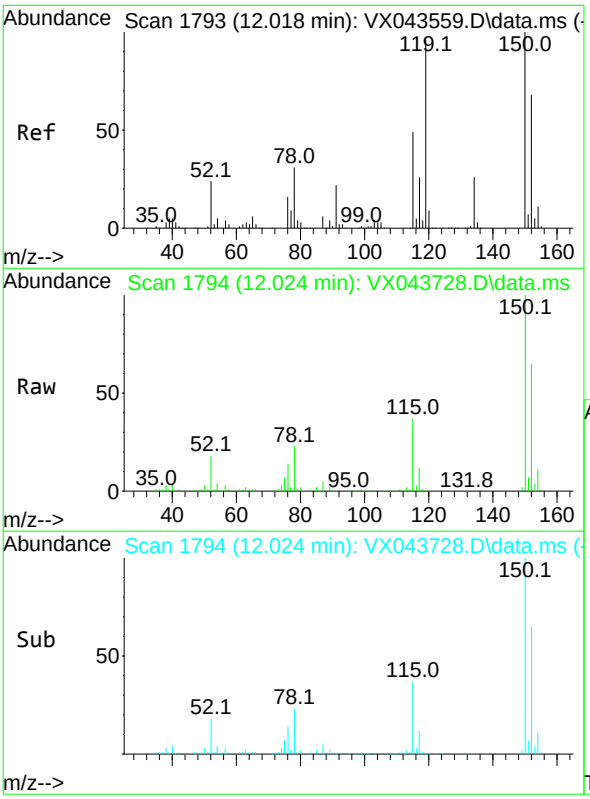
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Instrument :
MSVOA_X
ClientSampleId :
VX1107WBL01

Tgt Ion:117 Resp: 144247

Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.1	63.1
119	33.8	25.4	38.2

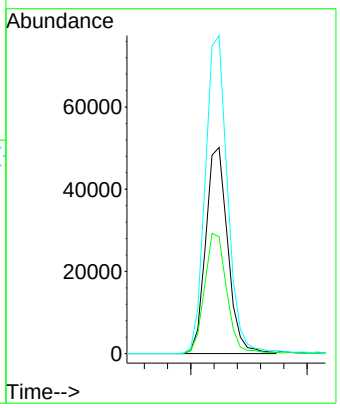




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043728.D
Acq: 07 Nov 2024 11:53

Tgt Ion:152 Resp: 66166

Ion	Ratio	Lower	Upper
152	100		
115	59.2	42.9	128.7
150	156.8	0.0	343.6



Raw Data: **VX043729.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:	VX1107WBS01	SDG No.:	P4718
Lab Sample ID:	VX1107WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043729.D	1		11/07/24 12:19	VX110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.9		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.2		0.26	1.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	1.00	ug/L
67-66-3	Chloroform	22.4		0.26	1.00	ug/L
71-43-2	Benzene	21.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	21.9		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	22.1		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82100	5.544			
540-36-3	1,4-Difluorobenzene	154000	6.757			
3114-55-4	Chlorobenzene-d5	142000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	70100	12.024			

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\VX110724\
Data File : VX043729.D
Acq On : 07 Nov 2024 12:19
Operator : JC/MD
Sample : VX1107WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:04:42 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 :
VX1107WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	82126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56078	42.823	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.640%			
35) Dibromofluoromethane	5.379	113	49651	47.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.300%			
50) Toluene-d8	8.647	98	175576	48.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	11.079	95	65254	48.820	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	14504	16.514	ug/l	96
3) Chloromethane	1.294	50	19760	17.600	ug/l	98
4) Vinyl Chloride	1.374	62	18616	17.866	ug/l	97
5) Bromomethane	1.593	94	9851	23.191	ug/l	100
6) Chloroethane	1.660	64	8298	22.604	ug/l	89
7) Trichlorofluoromethane	1.867	101	26027	20.447	ug/l	94
8) Diethyl Ether	2.136	74	13374	22.740	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	18635	21.647	ug/l	96
10) Methyl Iodide	2.447	142	28517	22.928	ug/l	94
11) Tert butyl alcohol	2.995	59	26648m	109.025	ug/l	
12) 1,1-Dichloroethene	2.306	96	17766	20.195	ug/l	92
13) Acrolein	2.239	56	9070	47.451	ug/l	91
14) Allyl chloride	2.654	41	30200	19.848	ug/l	95
15) Acrylonitrile	3.068	53	59412	107.661	ug/l	99
16) Acetone	2.386	43	52090	100.170	ug/l	95
17) Carbon Disulfide	2.501	76	29973	16.294	ug/l	99
18) Methyl Acetate	2.703	43	30514	20.078	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	70511	21.076	ug/l	100
20) Methylene Chloride	2.782	84	24424	21.793	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	19194	20.652	ug/l	95
22) Diisopropyl ether	3.757	45	69527	22.106	ug/l #	85
23) Vinyl Acetate	3.721	43	260086	100.097	ug/l	97
24) 1,1-Dichloroethane	3.599	63	39245	21.710	ug/l	98
25) 2-Butanone	4.562	43	79634	104.981	ug/l	94
26) 2,2-Dichloropropane	4.471	77	28992	19.593	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	27282	22.979	ug/l	94
28) Bromochloromethane	4.891	49	18808	21.872	ug/l	91
29) Tetrahydrofuran	5.007	42	50424	102.289	ug/l	96
30) Chloroform	5.086	83	42494	22.425	ug/l	96
31) Cyclohexane	5.452	56	26041	18.835	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	31847	20.018	ug/l	98
36) 1,1-Dichloropropene	5.690	75	24013	19.434	ug/l	99
37) Ethyl Acetate	4.727	43	27949	18.632	ug/l	94
38) Carbon Tetrachloride	5.665	117	25616	18.763	ug/l	94
39) Methylcyclohexane	7.379	83	29250	19.067	ug/l	93
40) Benzene	6.031	78	88584	21.490	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043729.D
Acq On : 07 Nov 2024 12:19
Operator : JC/MD
Sample : VX1107WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:04:42 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 :
VX1107WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	14948	18.984 ug/l		90
42) 1,2-Dichloroethane	6.080	62	29602	19.976 ug/l		96
43) Isopropyl Acetate	6.342	43	47093	18.983 ug/l		95
44) Trichloroethene	7.123	130	22407	21.881 ug/l		95
45) 1,2-Dichloropropane	7.427	63	22271	21.943 ug/l		98
46) Dibromomethane	7.580	93	15512	19.849 ug/l		90
47) Bromodichloromethane	7.818	83	29243	21.330 ug/l		93
48) Methyl methacrylate	7.696	41	21229	18.049 ug/l		92
49) 1,4-Dioxane	7.665	88	12299	508.971 ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	155067	102.556 ug/l		98
52) Toluene	8.714	92	56482	22.594 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29262	19.872 ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	34071	21.716 ug/l		94
55) 1,1,2-Trichloroethane	9.153	97	23713	22.789 ug/l		99
56) Ethyl methacrylate	9.116	69	34395	20.342 ug/l		92
57) 1,3-Dichloropropane	9.305	76	37575	21.711 ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	66286	80.947 ug/l		95
59) 2-Hexanone	9.433	43	117046	101.922 ug/l		96
60) Dibromochloromethane	9.518	129	22446	21.784 ug/l		99
61) 1,2-Dibromoethane	9.610	107	23692	21.934 ug/l		96
64) Tetrachloroethene	9.275	164	18409	20.546 ug/l		88
65) Chlorobenzene	10.079	112	67694	22.087 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22716	22.691 ug/l		97
67) Ethyl Benzene	10.195	91	100015	20.013 ug/l		97
68) m/p-Xylenes	10.299	106	81427	42.605 ug/l		95
69) o-Xylene	10.640	106	43245	22.521 ug/l		92
70) Styrene	10.652	104	71706	22.467 ug/l		97
71) Bromoform	10.799	173	13378	18.586 ug/l	#	94
73) Isopropylbenzene	10.963	105	99911	20.126 ug/l		99
74) N-amyl acetate	10.841	43	40172	16.612 ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.213	83	35503	19.889 ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	28437m	18.978 ug/l		
77) Bromobenzene	11.195	156	29110	22.710 ug/l		92
78) n-propylbenzene	11.305	91	108852	20.111 ug/l		98
79) 2-Chlorotoluene	11.366	91	75271	20.972 ug/l		96
80) 1,3,5-Trimethylbenzene	11.451	105	87193	21.066 ug/l		95
81) trans-1,4-Dichloro-2-b...	11.018	75	9083	16.676 ug/l		96
82) 4-Chlorotoluene	11.451	91	84149	20.889 ug/l		95
83) tert-Butylbenzene	11.713	119	86932	20.651 ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	90429	21.438 ug/l		98
85) sec-Butylbenzene	11.890	105	100422	20.353 ug/l		99
86) p-Isopropyltoluene	12.006	119	86194	20.551 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	52115	22.683 ug/l		98
88) 1,4-Dichlorobenzene	12.042	146	52215	21.933 ug/l		98
89) n-Butylbenzene	12.335	91	67735	19.820 ug/l		98
90) Hexachloroethane	12.536	117	13551	19.891 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	53372	22.718 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6303	17.320 ug/l		87
93) 1,2,4-Trichlorobenzene	13.585	180	30127	21.126 ug/l		98
94) Hexachlorobutadiene	13.725	225	11056	21.028 ug/l		98
95) Naphthalene	13.774	128	105290	19.294 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	30874	20.534 ug/l		97

Sample Results: **VX043729.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043729.D
Acq On : 07 Nov 2024 12:19
Operator : JC/MD
Sample : VX1107WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:04:42 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 :
VX1107WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

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

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

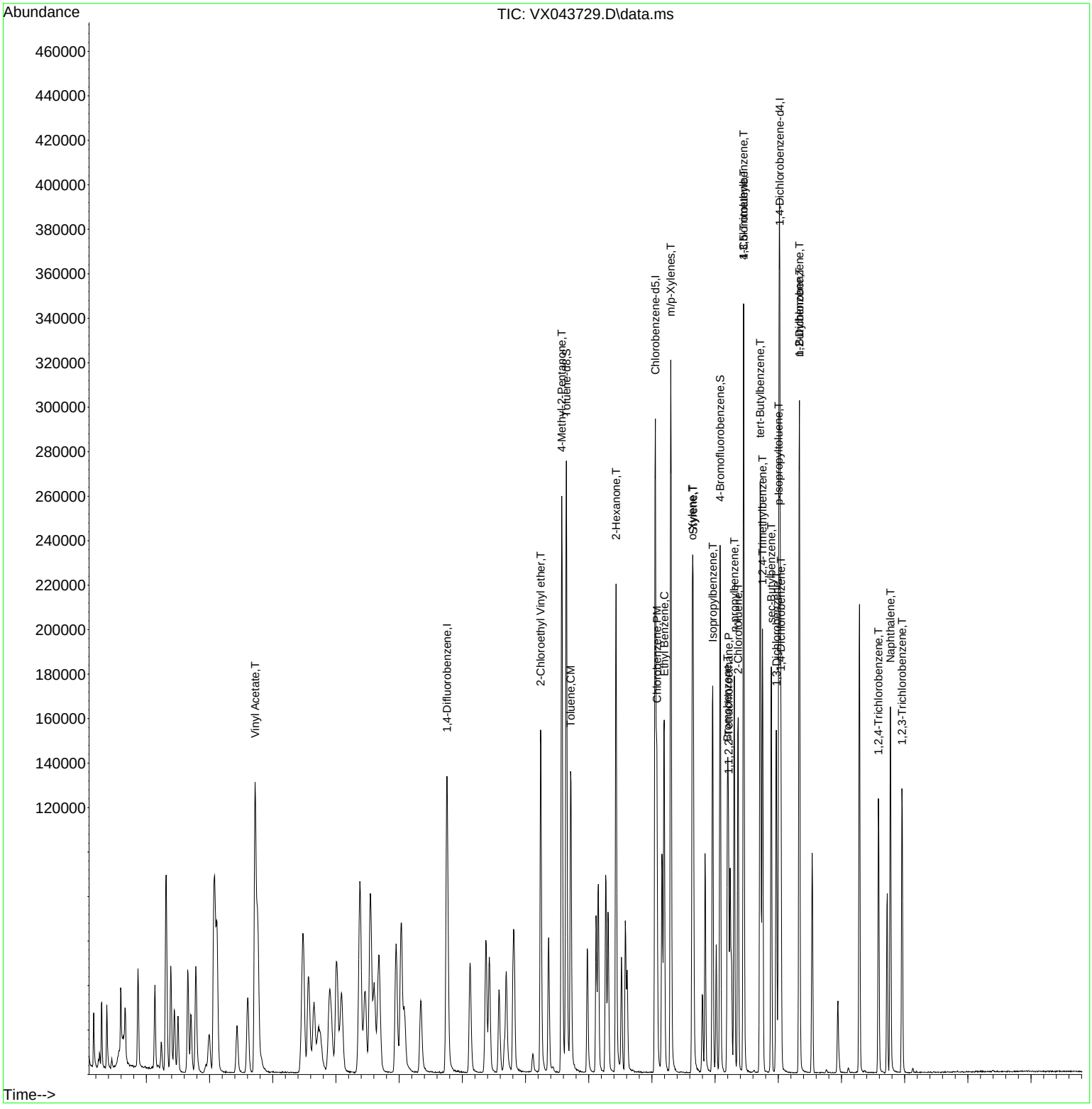
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043729.D
Acq On : 07 Nov 2024 12:19
Operator : JC/MD
Sample : VX1107WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:04:42 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 :
VX1107WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024



Raw Data: **VX043730.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:	VX1107WBSD01	SDG No.:	P4718
Lab Sample ID:	VX1107WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043730.D	1		11/07/24 12:42	VX110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.7		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.0		0.26	1.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.25	1.00	ug/L
67-66-3	Chloroform	23.7		0.26	1.00	ug/L
71-43-2	Benzene	22.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	21.9		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	21.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	22.0		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.0		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83400	5.55			
540-36-3	1,4-Difluorobenzene	160000	6.757			
3114-55-4	Chlorobenzene-d5	148000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	69400	12.024			

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: **VX043730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043730.D
Acq On : 07 Nov 2024 12:42
Operator : JC/MD
Sample : VX1107WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:05:44 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 :
VX1107WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	83388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57189	43.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.020%		
35) Dibromofluoromethane	5.385	113	52499	48.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.980%		
50) Toluene-d8	8.647	98	179219	47.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.620%		
62) 4-Bromofluorobenzene	11.079	95	66065	47.566	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	14592	16.363	ug/l	95
3) Chloromethane	1.288	50	20557	18.033	ug/l	98
4) Vinyl Chloride	1.374	62	18771	17.742	ug/l	93
5) Bromomethane	1.593	94	10025	23.243	ug/l	100
6) Chloroethane	1.666	64	12172	32.656	ug/l	95
7) Trichlorofluoromethane	1.868	101	26893	20.807	ug/l	97
8) Diethyl Ether	2.136	74	13189	22.086	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	18021	20.617	ug/l	96
10) Methyl Iodide	2.447	142	30039	23.787	ug/l	96
11) Tert butyl alcohol	2.989	59	29692m	119.640	ug/l	
12) 1,1-Dichloroethene	2.313	96	18716	20.953	ug/l	87
13) Acrolein	2.240	56	10315	53.147	ug/l	100
14) Allyl chloride	2.660	41	30979	20.052	ug/l	96
15) Acrylonitrile	3.069	53	62881	112.222	ug/l	98
16) Acetone	2.386	43	54470	103.162	ug/l	89
17) Carbon Disulfide	2.502	76	30208	16.173	ug/l	99
18) Methyl Acetate	2.703	43	32733	21.212	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	75867	22.333	ug/l	97
20) Methylene Chloride	2.782	84	25027	21.993	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	20645	21.877	ug/l	92
22) Diisopropyl ether	3.764	45	75020	23.492	ug/l	94
23) Vinyl Acetate	3.721	43	280518	106.327	ug/l	97
24) 1,1-Dichloroethane	3.605	63	41544	22.634	ug/l #	93
25) 2-Butanone	4.568	43	84341	109.504	ug/l	98
26) 2,2-Dichloropropane	4.477	77	31119	20.713	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	28638	23.757	ug/l	95
28) Bromochloromethane	4.898	49	21140	24.211	ug/l	99
29) Tetrahydrofuran	5.007	42	54133	108.151	ug/l	96
30) Chloroform	5.087	83	45637	23.719	ug/l	94
31) Cyclohexane	5.465	56	25667	18.283	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	33961	21.024	ug/l	96
36) 1,1-Dichloropropene	5.690	75	22952	17.876	ug/l	96
37) Ethyl Acetate	4.721	43	30851	19.792	ug/l	95
38) Carbon Tetrachloride	5.666	117	26081	18.384	ug/l	97
39) Methylcyclohexane	7.373	83	28982	18.181	ug/l	93
40) Benzene	6.032	78	94305	22.017	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043730.D
Acq On : 07 Nov 2024 12:42
Operator : JC/MD
Sample : VX1107WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:05:44 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 :
VX1107WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17436	21.310 ug/l	94
42) 1,2-Dichloroethane	6.086	62	32026	20.798 ug/l	97
43) Isopropyl Acetate	6.349	43	50450	19.571 ug/l	97
44) Trichloroethene	7.123	130	23289	21.886 ug/l	84
45) 1,2-Dichloropropane	7.428	63	22655	21.481 ug/l	92
46) Dibromomethane	7.580	93	16963	20.889 ug/l	93
47) Bromodichloromethane	7.818	83	31365	22.017 ug/l	96
48) Methyl methacrylate	7.696	41	24007	19.643 ug/l	93
49) 1,4-Dioxane	7.665	88	11815	470.539 ug/l	92
51) 4-Methyl-2-Pentanone	8.574	43	165707	105.468 ug/l	98
52) Toluene	8.714	92	58335	22.457 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	31022	20.275 ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	35950	22.051 ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	25518	23.600 ug/l	97
56) Ethyl methacrylate	9.116	69	36371	20.702 ug/l	92
57) 1,3-Dichloropropane	9.305	76	40831	22.705 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	71667	84.224 ug/l	98
59) 2-Hexanone	9.433	43	123931	103.856 ug/l	96
60) Dibromochloromethane	9.519	129	24886	23.243 ug/l	99
61) 1,2-Dibromoethane	9.610	107	24783	22.080 ug/l	99
64) Tetrachloroethene	9.275	164	20016	21.537 ug/l	87
65) Chlorobenzene	10.080	112	69890	21.984 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	23821	22.940 ug/l	99
67) Ethyl Benzene	10.195	91	105328	20.318 ug/l	98
68) m/p-Xylenes	10.299	106	85190	42.972 ug/l	92
69) o-Xylene	10.640	106	45171	22.678 ug/l	94
70) Styrene	10.653	104	76956	23.245 ug/l	96
71) Bromoform	10.799	173	14629	19.593 ug/l #	94
73) Isopropylbenzene	10.964	105	102728	20.884 ug/l	98
74) N-amyl acetate	10.842	43	43878	18.311 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	37430	21.161 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30179m	20.326 ug/l	
77) Bromobenzene	11.195	156	29328	23.090 ug/l	92
78) n-propylbenzene	11.305	91	110840	20.666 ug/l	97
79) 2-Chlorotoluene	11.360	91	78611	22.104 ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	88593	21.601 ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	9273	17.181 ug/l	95
82) 4-Chlorotoluene	11.451	91	87233	21.853 ug/l	96
83) tert-Butylbenzene	11.713	119	88738	21.274 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	92304	22.083 ug/l	99
85) sec-Butylbenzene	11.890	105	100348	20.524 ug/l	98
86) p-Isopropyltoluene	12.006	119	88535	21.303 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52339	22.990 ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	53593	22.719 ug/l	98
89) n-Butylbenzene	12.329	91	65827	19.438 ug/l	97
90) Hexachloroethane	12.536	117	13486	19.977 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	53907	23.156 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6446	17.876 ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	29899	21.159 ug/l	98
94) Hexachlorobutadiene	13.725	225	10101	19.388 ug/l	93
95) Naphthalene	13.774	128	107989	19.971 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	31916	21.422 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043730.D
Acq On : 07 Nov 2024 12:42
Operator : JC/MD
Sample : VX1107WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:05:44 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 :
VX1107WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024

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

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

Sample Results: **VX043730.D**

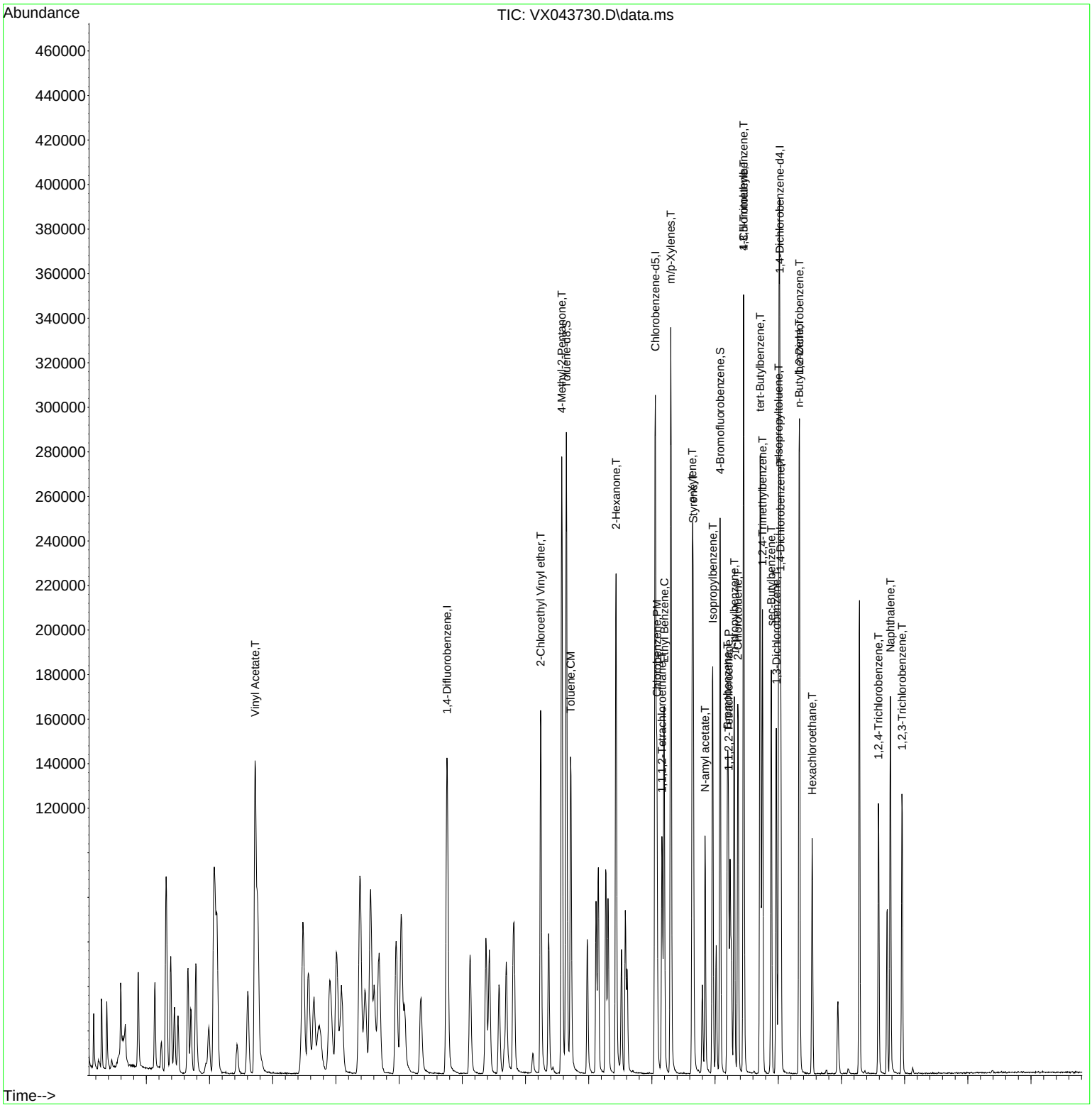
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110724\
Data File : VX043730.D
Acq On : 07 Nov 2024 12:42
Operator : JC/MD
Sample : VX1107WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 04:05:44 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 :
VX1107WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/08/2024
Supervised By :Semsettin Yesilyurt 11/08/2024



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

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

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

Manual Integration Report

Sequence:	VX110724	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043726.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:39:14 PM	SAM	11/8/2024 2:41:53 PM	Peak Integrated by Software
VSTDCCC050	VX043726.D	Tert butyl alcohol	MMDadoda	11/8/2024 2:39:14 PM	SAM	11/8/2024 2:41:53 PM	Peak Integrated by Software
VX1107WBS01	VX043729.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:39:14 PM	SAM	11/8/2024 2:41:52 PM	Peak Integrated by Software
VX1107WBS01	VX043729.D	Tert butyl alcohol	MMDadoda	11/8/2024 2:39:14 PM	SAM	11/8/2024 2:41:52 PM	Peak Integrated by Software
VX1107WBSD01	VX043730.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:39:04 PM	SAM	11/8/2024 2:41:47 PM	Peak Integrated by Software
VX1107WBSD01	VX043730.D	Tert butyl alcohol	MMDadoda	11/8/2024 2:39:04 PM	SAM	11/8/2024 2:41:47 PM	Peak Integrated by Software
VSTDCCC050	VX043748.D	1,2,3-Trichloropropane	MMDadoda	11/8/2024 2:39:13 PM	SAM	11/8/2024 2:41:28 PM	Peak Integrated by Software

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	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,
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	

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,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:39:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:03 PM				
SubDirectory	VX110724	HP Acquire Method	MSVOA_X		HP Processing Method	82X102824W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP131334
Initial Calibration Stds	
CCC	VP131337,VP131338
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043725.D	07 Nov 2024 10:18	JC/MD	Ok
2	VSTDCCC050	VX043726.D	07 Nov 2024 10:46	JC/MD	Ok,M
3	VX1107MBL01	VX043727.D	07 Nov 2024 11:29	JC/MD	Ok
4	VX1107WBL01	VX043728.D	07 Nov 2024 11:53	JC/MD	Ok
5	VX1107WBS01	VX043729.D	07 Nov 2024 12:19	JC/MD	Ok,M
6	VX1107WBSD01	VX043730.D	07 Nov 2024 12:42	JC/MD	Ok,M
7	VIBLK	VX043731.D	07 Nov 2024 13:10	JC/MD	Ok
8	PB164695TB	VX043732.D	07 Nov 2024 13:33	JC/MD	ReRun
9	P4718-03	VX043733.D	07 Nov 2024 13:56	JC/MD	Ok
10	P4719-03	VX043734.D	07 Nov 2024 14:19	JC/MD	ReRun
11	P4720-05	VX043735.D	07 Nov 2024 14:43	JC/MD	ReRun
12	P4722-02	VX043736.D	07 Nov 2024 15:06	JC/MD	ReRun
13	P4722-07	VX043737.D	07 Nov 2024 15:29	JC/MD	ReRun
14	P4722-12	VX043738.D	07 Nov 2024 15:52	JC/MD	ReRun
15	P4722-16	VX043739.D	07 Nov 2024 16:16	JC/MD	ReRun
16	P4722-18	VX043740.D	07 Nov 2024 16:39	JC/MD	ReRun
17	P4722-20	VX043741.D	07 Nov 2024 17:02	JC/MD	ReRun
18	P4732-05	VX043742.D	07 Nov 2024 17:25	JC/MD	ReRun
19	P4738-02	VX043743.D	07 Nov 2024 17:49	JC/MD	ReRun
20	P4739-04	VX043744.D	07 Nov 2024 18:12	JC/MD	ReRun
21	P4739-08	VX043745.D	07 Nov 2024 18:35	JC/MD	ReRun

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 # VX110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:39:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:03 PM				
SubDirectory	VX110724	HP Acquire Method	MSVOA_X	HP Processing Method	82X102824W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP131334
Initial Calibration Stds	
CCC	VP131337,VP131338
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4739-12	VX043746.D	07 Nov 2024 18:58	JC/MD	ReRun
23	P4739-16	VX043747.D	07 Nov 2024 19:21	JC/MD	Ok
24	VSTDCCC050	VX043748.D	07 Nov 2024 19:45	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

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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	

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 # VX110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:39:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:03 PM		
SubDirectory	VX110724	HP Acquire Method	MSVOA_X	HP Processing Method	82X102824W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131334
Initial Calibration Stds	
CCC	VP131337,VP131338
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043725.D	07 Nov 2024 10:18		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043726.D	07 Nov 2024 10:46		JC/MD	Ok,M
3	VX1107MBL01	VX1107MBL01	VX043727.D	07 Nov 2024 11:29		JC/MD	Ok
4	VX1107WBL01	VX1107WBL01	VX043728.D	07 Nov 2024 11:53		JC/MD	Ok
5	VX1107WBS01	VX1107WBS01	VX043729.D	07 Nov 2024 12:19		JC/MD	Ok,M
6	VX1107WBSD01	VX1107WBSD01	VX043730.D	07 Nov 2024 12:42	BSD high for com #40	JC/MD	Ok,M
7	VIBLK	VIBLK	VX043731.D	07 Nov 2024 13:10		JC/MD	Ok
8	PB164695TB	PB164695TB	VX043732.D	07 Nov 2024 13:33	Surrogate fail,pH#5.0 A	JC/MD	ReRun
9	P4718-03	WB-307-SB02	VX043733.D	07 Nov 2024 13:56	,pH#6.0 A	JC/MD	Ok
10	P4719-03	BAYAVE-STOCKPILE	VX043734.D	07 Nov 2024 14:19	Surrogate fail,pH#5.0 A	JC/MD	ReRun
11	P4720-05	JC-701-COMP-01	VX043735.D	07 Nov 2024 14:43	Surrogate fail,pH#5.0 A	JC/MD	ReRun
12	P4722-02	WC-1(3.5)	VX043736.D	07 Nov 2024 15:06	Surrogate fail,pH#7.0 A	JC/MD	ReRun
13	P4722-07	WC-2(4)	VX043737.D	07 Nov 2024 15:29	Surrogate fail,pH#5.0 A	JC/MD	ReRun
14	P4722-12	WC-3(3)	VX043738.D	07 Nov 2024 15:52	Surrogate fail,pH#7.0 A	JC/MD	ReRun
15	P4722-16	WC-1(5.5)	VX043739.D	07 Nov 2024 16:16	Surrogate fail,pH#7.0 A	JC/MD	ReRun
16	P4722-18	WC-2(2)	VX043740.D	07 Nov 2024 16:39	Surrogate fail,pH#7.0 A	JC/MD	ReRun
17	P4722-20	WC-3(5)	VX043741.D	07 Nov 2024 17:02	Surrogate fail,pH#6.0 A	JC/MD	ReRun
18	P4732-05	PPE-Grab	VX043742.D	07 Nov 2024 17:25	Surrogate fail,pH#5.0 A	JC/MD	ReRun

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110724

Review By	Mahesh Dadoda	Review On	11/8/2024 2:39:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/8/2024 2:42:03 PM		
SubDirectory	VX110724	HP Acquire Method	MSVOA_X	HP Processing Method	82X102824W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131334
Initial Calibration Stds	
CCC	VP131337,VP131338
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4738-02	72-12018	VX043743.D	07 Nov 2024 17:49	Surrogate fail,pH#5.0 A	JC/MD	ReRun
20	P4739-04	TP-14	VX043744.D	07 Nov 2024 18:12	Surrogate fail,pH#5.0 A	JC/MD	ReRun
21	P4739-08	BP-G2	VX043745.D	07 Nov 2024 18:35	BSD high; Surrogate fail,pH#5.0 A	JC/MD	ReRun
22	P4739-12	BP-B2	VX043746.D	07 Nov 2024 18:58	BSD high; Surrogate fail,pH#5.0 A	JC/MD	ReRun
23	P4739-16	TP-11	VX043747.D	07 Nov 2024 19:21	,pH#7.0 A	JC/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VX043748.D	07 Nov 2024 19:45		JC/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164695

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1 / ZHE-2

TCLP Filter ID : 50223706

Start Prep Date : 11/06/2024 **Time :** 16:45

End Prep Date : 11/07/2024 **Time :** 09:35

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 23 °C

TCLP Technician Signature : JP

Supervisor By : SJ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	22437	N/A

Extraction Conformance/Non-Conformance Comments:

TUMBLER ZHE-1 / ZHE-2 checked,30 rpm. ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/07/24 11:00	JP TCLP Room	SJ VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164695

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4718-03	WB-307-SB02	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4719-03	BAYAVE-STOCKPILE	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4720-05	JC-701-COMP-01	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4722-02	WC-1(3.5)	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4722-07	WC-2(4)	05	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4722-12	WC-3(3)	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4722-16	WC-1(5.5)	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4722-18	WC-2(2)	08	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4722-20	WC-3(5)	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4732-05	PPE-Grab	10	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4738-02	72-12018	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4739-04	TP-14	12	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4739-08	BP-G2	13	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4739-12	BP-B2	14	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4739-16	TP-11	15	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
PB164695TB	LEB695	16	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-2

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB164695

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4718-03	WB-307-SB02	N/A	N/A	N/A	N/A	100	N/A
P4719-03	BAYAVE-STOCKPILE	N/A	N/A	N/A	N/A	100	N/A
P4720-05	JC-701-COMP-01	N/A	N/A	N/A	N/A	100	N/A
P4722-02	WC-1(3.5)	N/A	N/A	N/A	N/A	100	N/A
P4722-07	WC-2(4)	N/A	N/A	N/A	N/A	100	N/A
P4722-12	WC-3(3)	N/A	N/A	N/A	N/A	100	N/A
P4722-16	WC-1(5.5)	N/A	N/A	N/A	N/A	100	N/A
P4722-18	WC-2(2)	N/A	N/A	N/A	N/A	100	N/A
P4722-20	WC-3(5)	N/A	N/A	N/A	N/A	100	N/A
P4732-05	PPE-Grab	N/A	N/A	N/A	N/A	100	N/A
P4738-02	72-12018	N/A	N/A	N/A	N/A	100	N/A
P4739-04	TP-14	N/A	N/A	N/A	N/A	100	N/A
P4739-08	BP-G2	N/A	N/A	N/A	N/A	100	N/A
P4739-12	BP-B2	N/A	N/A	N/A	N/A	100	N/A
P4739-16	TP-11	N/A	N/A	N/A	N/A	100	N/A
PB164695TB	LEB695	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe p4719 **WorkList ID :** 185150 **Department :** TCLP Extraction **Date :** 11-06-2024 07:55:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4718-03	WB-307-SB02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	L21	11/04/2024	1311 ZHE
P4719-03	BAYAVE-STOCKPILE	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K21	11/05/2024	1311 ZHE
P4720-05	JC-701-COMP-01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K31	11/05/2024	1311 ZHE
P4722-02	WC-1(3.5)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311 ZHE
P4722-07	WC-2(4)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311 ZHE
P4722-12	WC-3(3)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311 ZHE
P4722-16	WC-1(5.5)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311 ZHE
P4722-18	WC-2(2)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311 ZHE
P4722-20	WC-3(5)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311 ZHE
P4732-05	PPE-Grab	Solid	TCLP ZHE Extraction	Cool 4 deg C	FURI01	L11	11/06/2024	1311 ZHE
P4738-02	72-12018	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L23	11/06/2024	1311 ZHE
P4739-04	TP-14	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/06/2024	1311 ZHE
P4739-08	BP-G2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/06/2024	1311 ZHE
P4739-12	BP-B2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/06/2024	1311 ZHE
P4739-16	TP-11	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L21	11/06/2024	1311 ZHE

Date/Time 11/06/24 16:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 11/06/24 16:00

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. / QUOTE NO. P4718

COC Number 2042034

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Glannett Fleming
ADDRESS: 1010 Adams Avenue
CITY Audobon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-301-8362 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak's Dep. of SB
PROJECT NO.: 95000008.19 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@bamays-corb.
PHONE: 610-301-8362 FAX:

CLIENT BILLING INFORMATION

BILL TO: Chemtech PO#:
ADDRESS: 284 Sheffield St.
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCA VOC+TO
2 TCL PAH
3 TAL Metals
4 PCB's
5 Cr(III), Cr(VI)
6 EPH
7 TOX
8 FUNA TCLP
9 RCRA Reactivity

PRESERVATIVES

A B F

COMMENTS

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

	CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.		WB-307-SW	GW		X	11/04	8:20	7	X	X	X	X	X	X			
2.		WB-307-SB01	S	X		11/04	9:45	10	X	X	X	X	X	X			
3.		WB-307-SB02	S	X		11/04	10:45	10	X	X	X	X	X	X	X	X	X
4.		TB-11042024															
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Yasmeda	11/6/24 11:19	1.
2.		2.
3.	11.3.2024 12:15	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 4.0 °C
Comments: No, ICE.

Page ____ of ____

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

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4718 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 11/5/2024 1:31:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 11/5/2024 12:15:00 PM
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
P4718-01	WB-307-SB01	Solid	11/04/2024	09:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4718-02	WB-307-SB02	Solid	11/04/2024	09:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4718-04	WB-307-SW	Water	11/04/2024	08:20					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4718-05	TB-11042024	Water	11/04/2024	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 11.5.2024 1427

Received By :
Date / Time : 11-5-2024 14:27

Storage Area : **VOA Refridgerator Room**