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

Cover Page

Order ID : P4548

Project ID : Ansonia Landfill 2024

Client : Lockwood, Kessler & Bartlett, Inc.

Lab Sample Number	Client Sample Number
P4548-01	MW-1
P4548-02	MW-1
P4548-03	MW-2
P4548-04	MW-2
P4548-05	MW-3
P4548-06	MW-3
P4548-07	MW-4
P4548-08	MW-4
P4548-09	TRIP BLANK

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: 11/5/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4548**

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

QA Review Signature: **KETAN PATEL** **Date:** **11/05/2024**

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

LAB CHRONICLE

OrderID:	P4548	**OrderDate:**	10/24/2024 3:18:00 PM
Client:	Lockwood, Kessler & Bartlett, Inc.	**Project:**	Ansonia Landfill 2024
Contact:	John Gerlach	**Location:**	K11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4548-01	**MW-1**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/29/24	
P4548-03	**MW-2**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/29/24	
P4548-05	**MW-3**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/29/24	
P4548-07	**MW-4**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/29/24	
P4548-09	**TRIP BLANK**	**Water**			**10/23/24**			**10/24/24**
			VOCMS Group1	8260-Low			10/29/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4548

Client: Lockwood, Kessler & Bartlett, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-1**							
P4548-01	MW-1	Water	Acetone	1.80	J	1.40	5.00	ug/L
			Total Voc :	1.80				
			Total Concentration:	1.80				
Client ID:	**MW-2**							
P4548-03	MW-2	Water	Vinyl Chloride	0.60	J	0.34	1.00	ug/L
P4548-03	MW-2	Water	Acetone	2.10	J	1.40	5.00	ug/L
P4548-03	MW-2	Water	cis-1,2-Dichloroethene	0.90	J	0.25	1.00	ug/L
P4548-03	MW-2	Water	Chlorobenzene	0.86	J	0.13	1.00	ug/L
			Total Voc :	4.46				
			Total Concentration:	4.46				
Client ID:	**MW-3**							
P4548-05	MW-3	Water	Acetone	1.80	J	1.40	5.00	ug/L
			Total Voc :	1.80				
			Total Concentration:	1.80				
Client ID:	**MW-4**							
P4548-07	MW-4	Water	Acetone	2.00	J	1.40	5.00	ug/L
P4548-07	MW-4	Water	Chlorobenzene	0.28	J	0.13	1.00	ug/L
			Total Voc :	2.28				
			Total Concentration:	2.28				
Client ID:	**TRIP BLANK**							
P4548-09	TRIP BLANK	Water	Acetone	1.60	J	1.40	5.00	ug/L
P4548-09	TRIP BLANK	Water	Methylene Chloride	0.36	J	0.32	1.00	ug/L
			Total Voc :	1.96				
			Total Concentration:	1.96				

QC SUMMARY

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

Surrogate Summary

SDG No.: P4548

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4548-01	MW-1	1,2-Dichloroethane-d4	50	43.8	88	74	125
		Dibromofluoromethane	50	44.8	90	75	124
		Toluene-d8	50	49.8	100	86	113
		4-Bromofluorobenzene	50	48.3	97	77	121
P4548-03	MW-2	1,2-Dichloroethane-d4	50	42.8	86	74	125
		Dibromofluoromethane	50	45.9	92	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	47.7	95	77	121
P4548-05	MW-3	1,2-Dichloroethane-d4	50	42.5	85	74	125
		Dibromofluoromethane	50	45.4	91	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	48.8	98	77	121
P4548-07	MW-4	1,2-Dichloroethane-d4	50	43.3	87	74	125
		Dibromofluoromethane	50	46.0	92	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	47.4	95	77	121
P4548-09	TRIP BLANK	1,2-Dichloroethane-d4	50	44.4	89	74	125
		Dibromofluoromethane	50	45.6	91	75	124
		Toluene-d8	50	49.8	100	86	113
		4-Bromofluorobenzene	50	47.5	95	77	121
VX1029WBL01	VX1029WBL01	1,2-Dichloroethane-d4	50	43.4	87	74	125
		Dibromofluoromethane	50	45.5	91	75	124
		Toluene-d8	50	50.5	101	86	113
		4-Bromofluorobenzene	50	50.6	101	77	121
VX1029WBS01	VX1029WBS01	1,2-Dichloroethane-d4	50	42.1	84	74	125
		Dibromofluoromethane	50	46.6	93	75	124
		Toluene-d8	50	48.3	97	86	113
		4-Bromofluorobenzene	50	47.0	94	77	121
VX1029WBSD0	VX1029WBSD01	1,2-Dichloroethane-d4	50	42.9	86	74	125
		Dibromofluoromethane	50	47.2	94	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	50.0	100	77	121

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4548

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low **Datafile :** VX043586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1029WBS01	Vinyl chloride	20	18.2	ug/L	91			65	117	
	Chloroethane	20	19.0	ug/L	95			56	128	
	Trichlorofluoromethane	20	20.7	ug/L	104			73	115	
	1,1-Dichloroethene	20	19.4	ug/L	97			74	110	
	Acrylonitrile	100	85.2	ug/L	85			73	113	
	Acetone	100	92.3	ug/L	92			60	125	
	Carbon disulfide	20	18.2	ug/L	91			64	112	
	Methylene Chloride	20	17.1	ug/L	86			72	114	
	Vinyl Acetate	100	89.3	ug/L	89			76	115	
	2-Butanone	100	86.1	ug/L	86			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			77	110	
	Bromochloromethane	20	17.5	ug/L	88			70	124	
	Chloroform	20	18.1	ug/L	91			79	113	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			80	108	
	Benzene	20	18.9	ug/L	95			82	109	
	1,2-Dichloropropane	20	18.2	ug/L	91			83	111	
	Dibromomethane	20	17.9	ug/L	90			82	110	
	Bromodichloromethane	20	18.3	ug/L	92			83	110	
	4-Methyl-2-Pentanone	100	90.2	ug/L	90			74	118	
	Toluene	20	19.9	ug/L	100			82	110	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			79	110	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			82	110	
	2-Hexanone	100	91.2	ug/L	91			73	117	
	Dibromochloromethane	20	18.7	ug/L	94			82	110	
	1,2-Dibromoethane	20	18.5	ug/L	93			81	110	
	Tetrachloroethene	20	21.2	ug/L	106			67	123	
	Chlorobenzene	20	19.4	ug/L	97			82	109	
	1,1,1,2-Tetrachloroethane	20	19.7	ug/L	99			84	111	
	Ethyl Benzene	20	20.2	ug/L	101			83	109	
	m/p-Xylenes	40	40.6	ug/L	102			82	110	
	o-Xylene	20	20.1	ug/L	101			83	109	
	Styrene	20	20.2	ug/L	101			80	111	
	Bromoform	20	17.8	ug/L	89			79	109	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			76	118	
	1,2,3-Trichloropropane	20	17.8	ug/L	89			75	112	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			82	107	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.5	ug/L	83			68	112	
	Methyl iodide	20	18.7	ug/L	94			70	130	
	trans-1,4-Dichloro-2-butene	20	17.9	ug/L	90			79	102	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4548

Client: Lockwood, Kessler & Bartlett, Inc.

Analytical Method: SW8260-Low **Datafile :** VX043587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1029WBSD01	Vinyl chloride	20	18.1	ug/L	91	0		65	117	20
	Chloroethane	20	18.9	ug/L	95	0		56	128	20
	Trichlorofluoromethane	20	20.6	ug/L	103	1		73	115	20
	1,1-Dichloroethene	20	19.1	ug/L	96	1		74	110	20
	Acrylonitrile	100	90.3	ug/L	90	6		73	113	20
	Acetone	100	95.8	ug/L	96	4		60	125	20
	Carbon disulfide	20	18.1	ug/L	91	0		64	112	20
	Methylene Chloride	20	17.0	ug/L	85	1		72	114	20
	Vinyl Acetate	100	92.3	ug/L	92	3		76	115	20
	2-Butanone	100	91.3	ug/L	91	6		65	122	20
	Carbon Tetrachloride	20	20.0	ug/L	100	1		77	113	20
	cis-1,2-Dichloroethene	20	18.6	ug/L	93	1		77	110	20
	Bromochloromethane	20	18.8	ug/L	94	7		70	124	20
	Chloroform	20	18.3	ug/L	92	1		79	113	20
	1,1,1-Trichloroethane	20	19.1	ug/L	96	1		80	108	20
	Benzene	20	19.5	ug/L	98	3		82	109	20
	1,2-Dichloropropane	20	19.1	ug/L	96	5		83	111	20
	Dibromomethane	20	19.0	ug/L	95	5		82	110	20
	Bromodichloromethane	20	18.9	ug/L	95	3		83	110	20
	4-Methyl-2-Pentanone	100	98.8	ug/L	99	10		74	118	20
	Toluene	20	20.2	ug/L	101	1		82	110	20
	t-1,3-Dichloropropene	20	19.1	ug/L	96	8		79	110	20
	cis-1,3-Dichloropropene	20	20.1	ug/L	101	3		82	110	20
	2-Hexanone	100	100	ug/L	100	9		73	117	20
	Dibromochloromethane	20	19.6	ug/L	98	4		82	110	20
	1,2-Dibromoethane	20	19.7	ug/L	99	6		81	110	20
	Tetrachloroethene	20	21.1	ug/L	106	0		67	123	20
	Chlorobenzene	20	19.8	ug/L	99	2		82	109	20
	1,1,1,2-Tetrachloroethane	20	20.7	ug/L	104	5		84	111	20
	Ethyl Benzene	20	20.2	ug/L	101	0		83	109	20
	m/p-Xylenes	40	41.9	ug/L	105	3		82	110	20
	o-Xylene	20	20.8	ug/L	104	3		83	109	20
	Styrene	20	20.5	ug/L	103	2		80	111	20
	Bromoform	20	18.8	ug/L	94	5		79	109	20
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98	5		76	118	20
	1,2,3-Trichloropropane	20	18.9	ug/L	95	7		75	112	20
	1,4-Dichlorobenzene	20	19.1	ug/L	96	1		82	107	20
	1,2-Dichlorobenzene	20	20.1	ug/L	101	4		82	109	20
	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94	12		68	112	20
	Methyl iodide	20	19.5	ug/L	98	4		70	130	20
	trans-1,4-Dichloro-2-butene	20	18.5	ug/L	93	3		79	102	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1029WBL01

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG NO.: P4548

Lab File ID: VX043585.D Lab Sample ID: VX1029WBL01

Date Analyzed: 10/29/2024 Time Analyzed: 10:31

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
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024
TRIP BLANK	P4548-09	VX043592.D	10/29/2024
MW-1	P4548-01	VX043593.D	10/29/2024
MW-2	P4548-03	VX043594.D	10/29/2024
MW-3	P4548-05	VX043595.D	10/29/2024
MW-4	P4548-07	VX043596.D	10/29/2024

COMMENTS:

Raw Data: **VX043555.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG NO.: P4548

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: **VX043582.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG NO.: P4548

Lab File ID: VX043582.D BFB Injection Date: 10/29/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:30

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	16.5
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.5 (96.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043583.D	10/29/2024	09:29
VX1029WBL01	VX1029WBL01	VX043585.D	10/29/2024	10:31
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024	10:57
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024	11:20
TRIP BLANK	P4548-09	VX043592.D	10/29/2024	13:19
MW-1	P4548-01	VX043593.D	10/29/2024	13:43
MW-2	P4548-03	VX043594.D	10/29/2024	14:06
MW-3	P4548-05	VX043595.D	10/29/2024	14:29
MW-4	P4548-07	VX043596.D	10/29/2024	14:52

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG NO.: P4548

Lab File ID: VX043583.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_X Time Analyzed: 09:29

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	185040	5.54	317661	6.76	277122	10.06
UPPER LIMIT	370080	6.044	635322	7.257	554244	10.555
LOWER LIMIT	92520	5.044	158831	6.257	138561	9.555
EPA SAMPLE NO.						
MW-1	142471	5.55	263505	6.76	232626	10.06
MW-2	149761	5.55	275286	6.76	240367	10.06
MW-3	141379	5.55	261836	6.76	233166	10.06
MW-4	145951	5.55	270530	6.76	234106	10.06
TRIP BLANK	160173	5.55	298248	6.76	258594	10.06
VX1029WBL01	160199	5.55	295395	6.76	265502	10.06
VX1029WBS01	202431	5.54	352202	6.76	294857	10.06
VX1029WBSD01	180366	5.55	312050	6.76	270005	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG NO.: P4548

Lab File ID: VX043583.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_X Time Analyzed: 09:29

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

	IS4 AREA #	RT #				
12 HOUR STD	136145	12.018				
UPPER LIMIT	272290	12.518				
LOWER LIMIT	68072.5	11.518				
EPA SAMPLE NO.						
MW-1	102053	12.02				
MW-2	106864	12.02				
MW-3	104208	12.02				
MW-4	105382	12.02				
TRIP BLANK	115532	12.02				
VX1029WBL01	128354	12.02				
VX1029WBS01	142936	12.02				
VX1029WBSD01	131226	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

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-1	SDG No.:	P4548
Lab Sample ID:	P4548-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043593.D	1		10/29/24 13:43	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.80	J	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043593.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-1	SDG No.:	P4548
Lab Sample ID:	P4548-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043593.D	1		10/29/24 13:43	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.63	U	0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.8		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	5.55			
540-36-3	1,4-Difluorobenzene	264000	6.757			
3114-55-4	Chlorobenzene-d5	233000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	102000	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\VX102924\
Data File : VX043593.D
Acq On : 29 Oct 2024 13:43
Operator : JC/MD
Sample : P4548-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Quant Time: Oct 30 01:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	142471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	263505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99414	43.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.520%		
35) Dibromofluoromethane	5.379	113	80043	44.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.600%		
50) Toluene-d8	8.647	98	308112	49.814	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.620%		
62) 4-Bromofluorobenzene	11.079	95	110631	48.269	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.540%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	489	0.251	ug/l #	82
16) Acetone	2.392	43	1649	1.828	ug/l	93

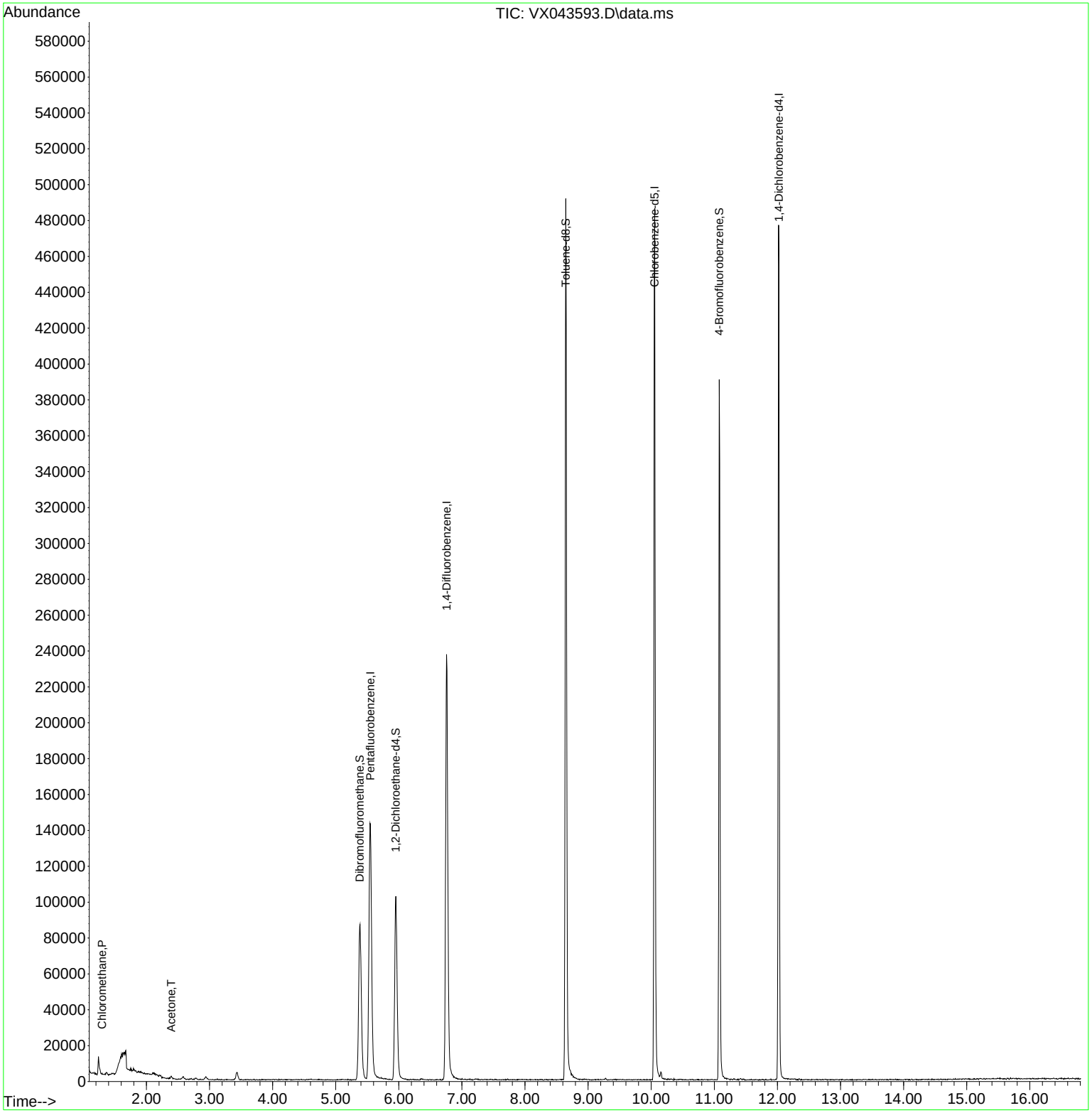
(#) = qualifier out of range (m) = manual integration (+) = signals summed

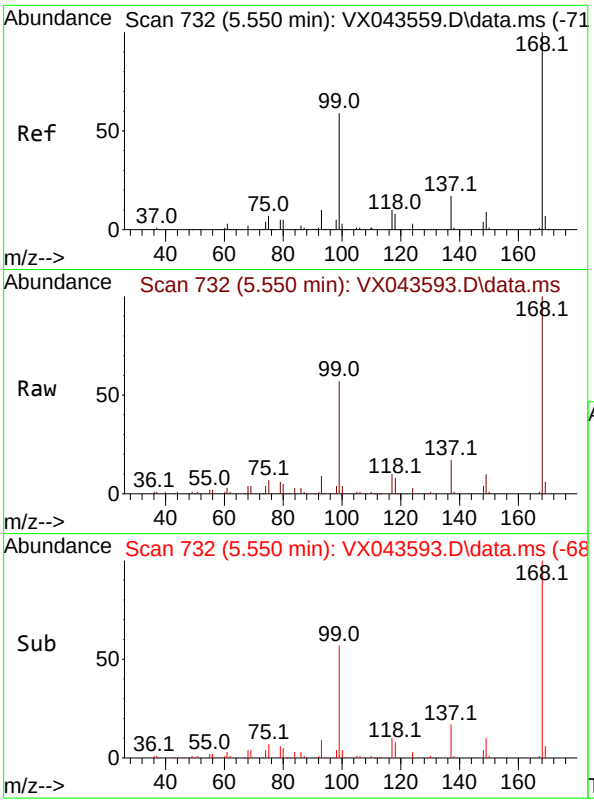
Sample Results: **VX043593.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043593.D
Acq On : 29 Oct 2024 13:43
Operator : JC/MD
Sample : P4548-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Quant Time: Oct 30 01:31:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



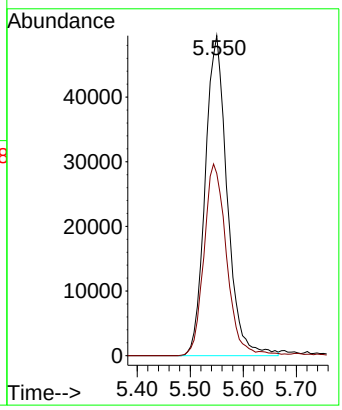


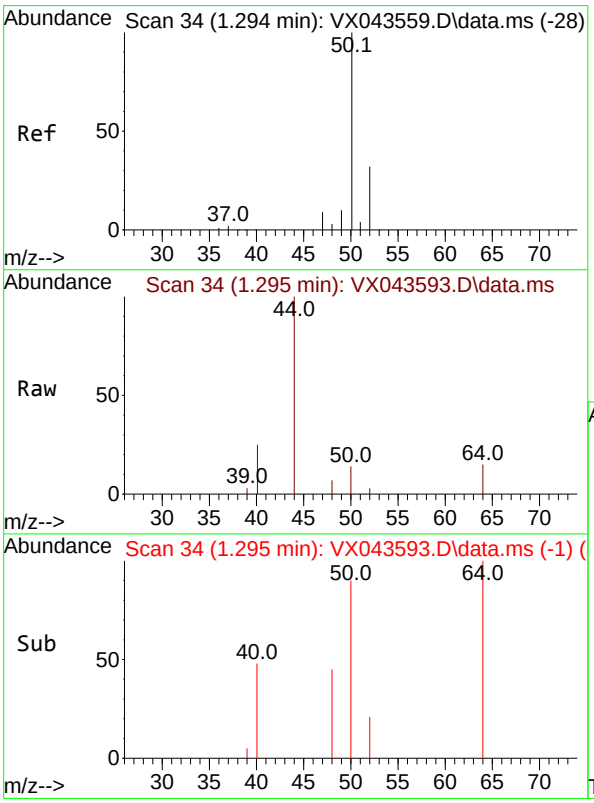
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion:168 Resp: 142471

Ion	Ratio	Lower	Upper
168	100		
99	57.0	52.6	78.8

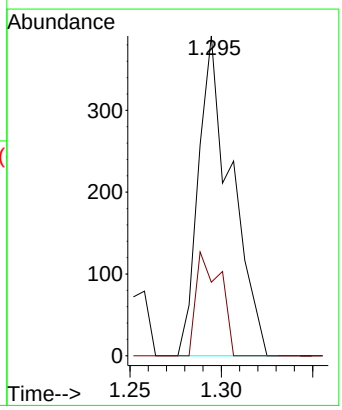


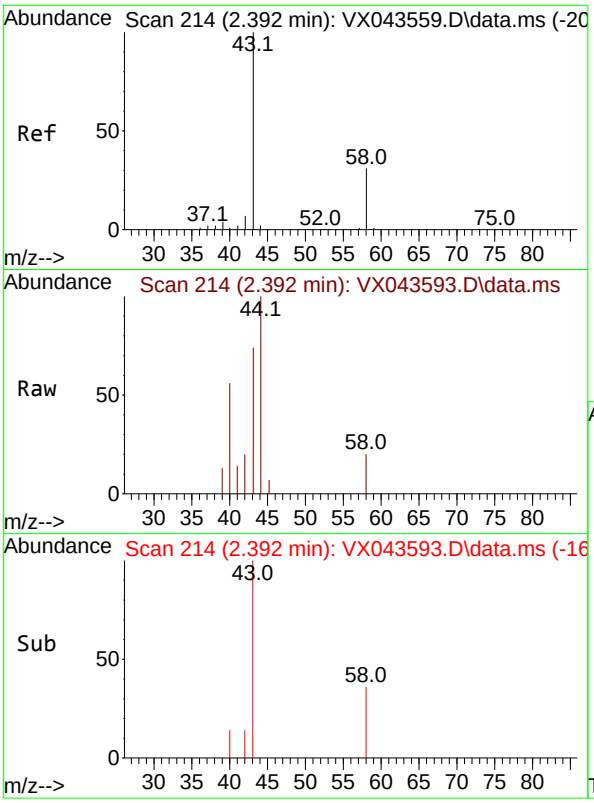


#3
Chloromethane
Concen: 0.251 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Tgt Ion: 50 Resp: 489

Ion	Ratio	Lower	Upper
50	100		
52	23.0	26.3	39.5#



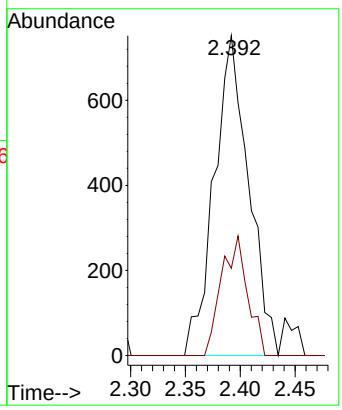


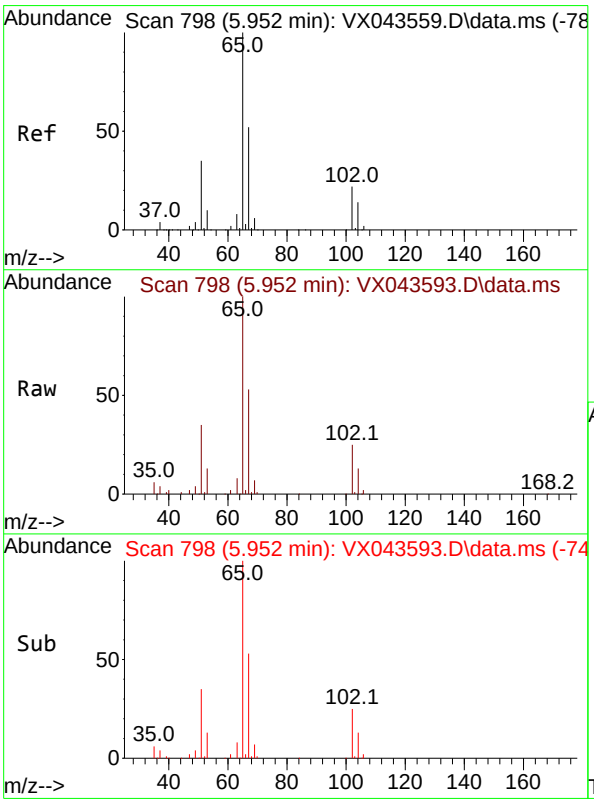
#16
Acetone
Concen: 1.828 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion: 43 Resp: 1649

Ion	Ratio	Lower	Upper
43	100		
58	27.3	25.1	37.7

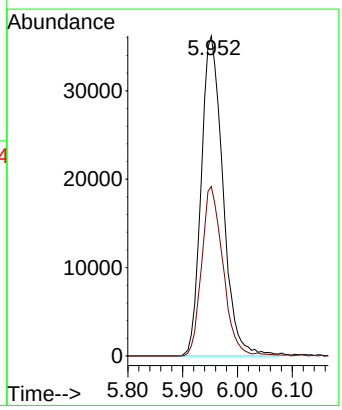


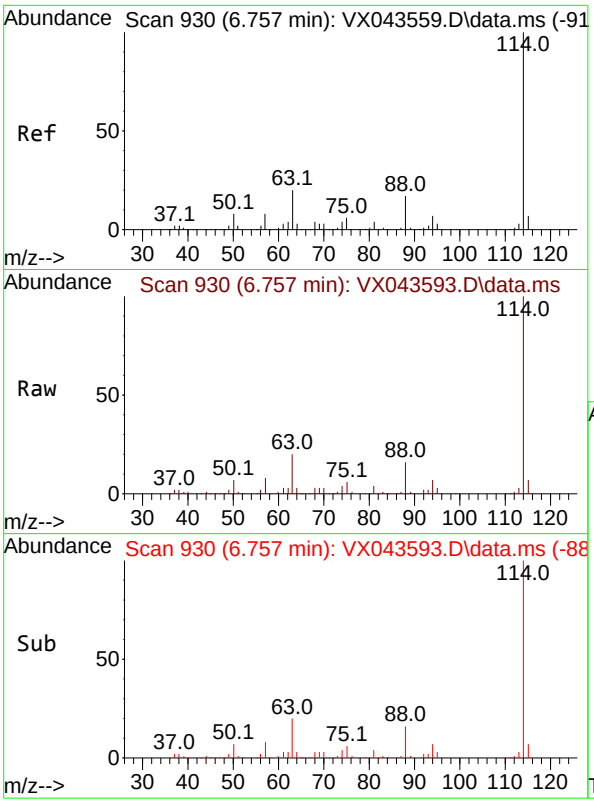


#33
1,2-Dichloroethane-d4
Concen: 43.761 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Tgt Ion: 65 Resp: 99414

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.4



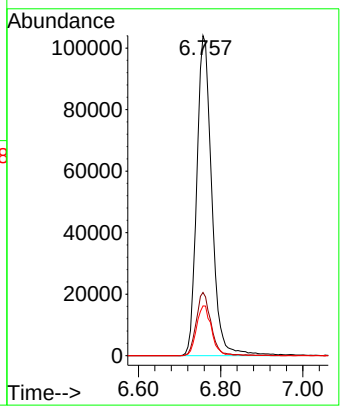


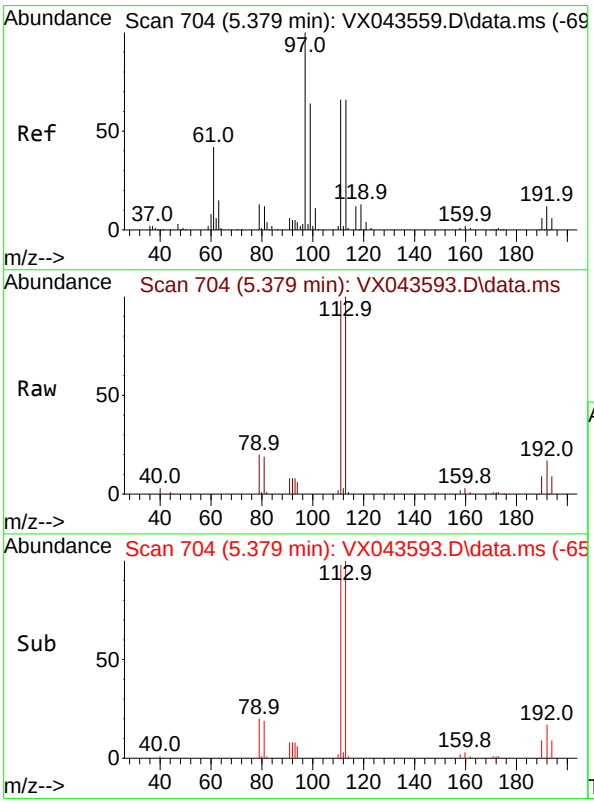
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion:114 Resp: 263505

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.2
88	15.6	0.0	34.0

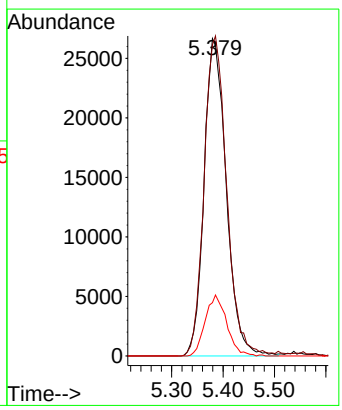


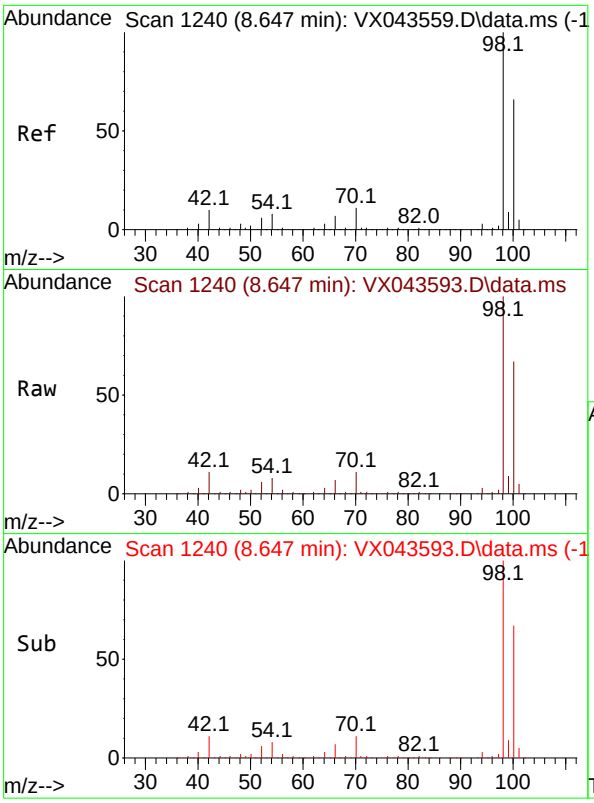


#35
Dibromofluoromethane
Concen: 44.796 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Tgt Ion:113 Resp: 80043

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	18.5	14.1	21.1



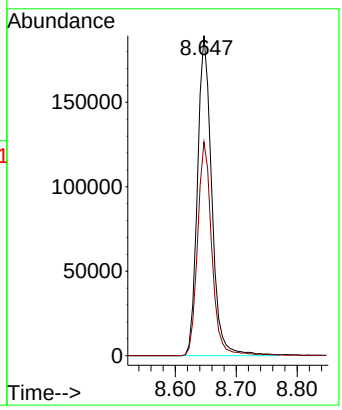


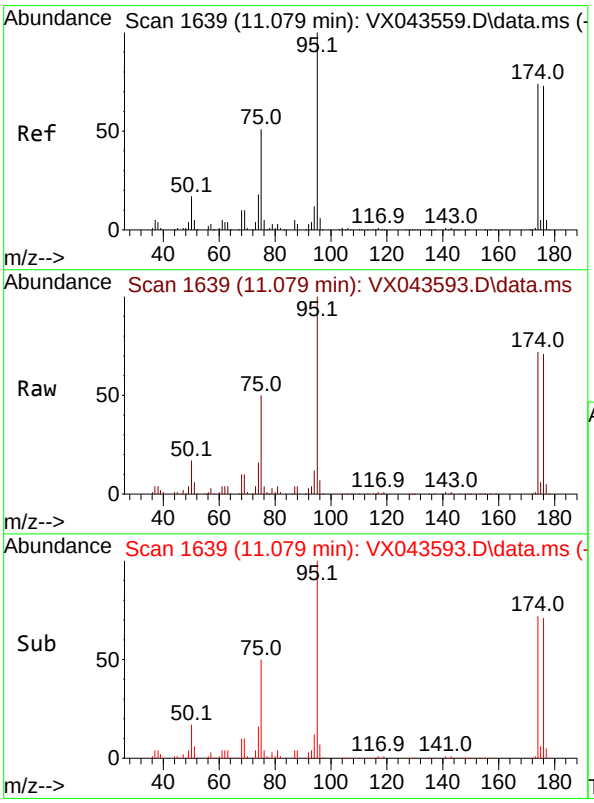
#50
Toluene-d8
Concen: 49.814 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion: 98 Resp: 308112

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2

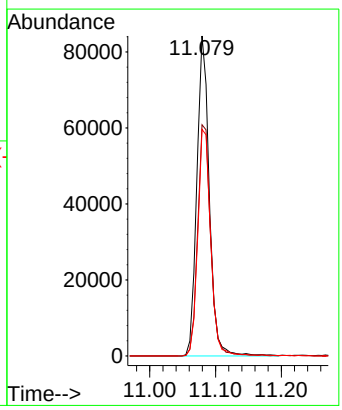


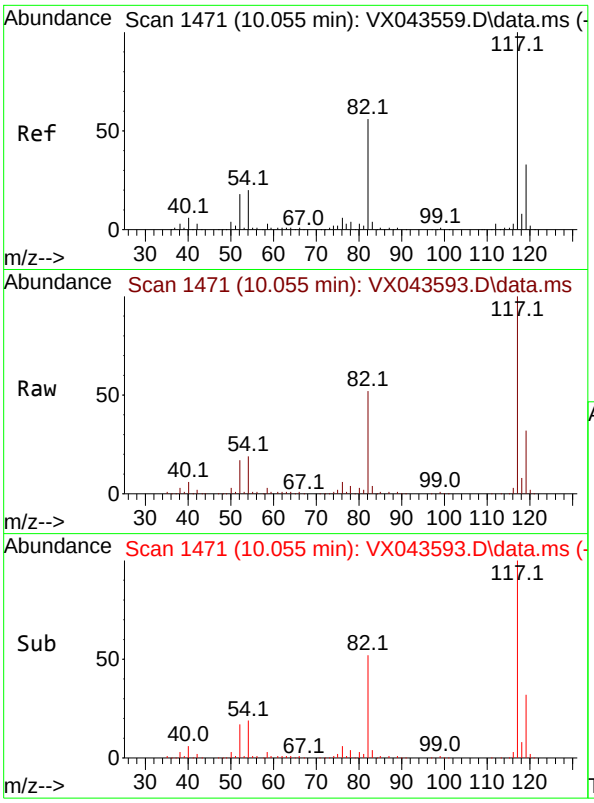


#62
4-Bromofluorobenzene
Concen: 48.269 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Tgt Ion: 95 Resp: 110631

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	146.6
176	73.3	0.0	139.6



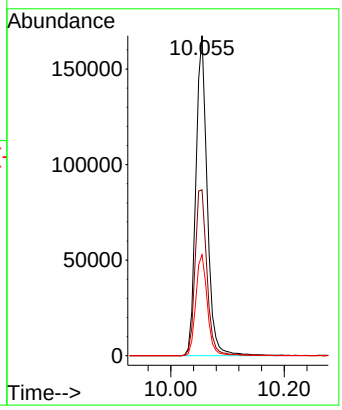


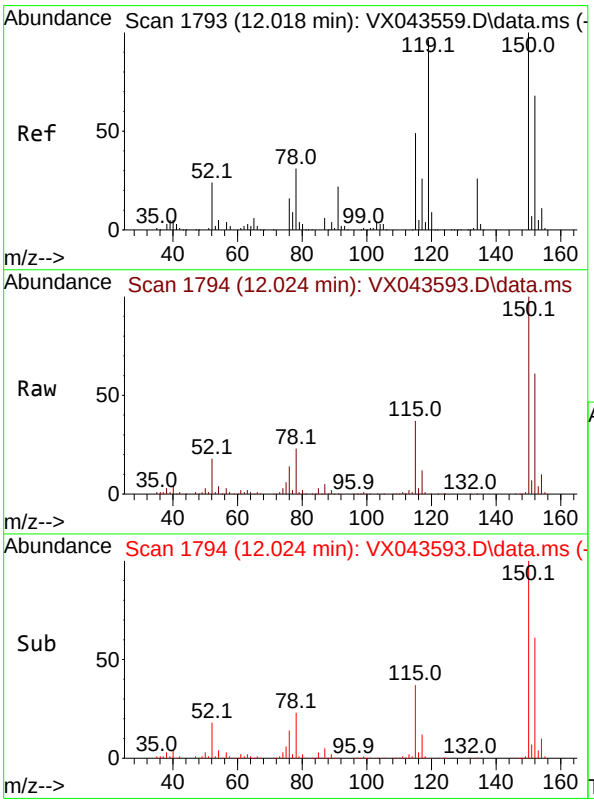
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 232626

Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.1	63.1
119	31.6	25.4	38.2

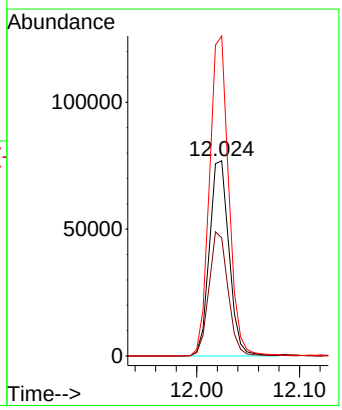




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043593.D
Acq: 29 Oct 2024 13:43

Tgt Ion:152 Resp: 102053

Ion	Ratio	Lower	Upper
152	100		
115	62.1	42.9	128.7
150	161.1	0.0	343.6



Raw Data: **VX043594.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-2	SDG No.:	P4548
Lab Sample ID:	P4548-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043594.D	1		10/29/24 14:06	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.60	J	0.34	1.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	2.10	J	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.90	J	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.86	J	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043594.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-2	SDG No.:	P4548
Lab Sample ID:	P4548-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043594.D	1		10/29/24 14:06	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.63	U	0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	45.9		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	5.55			
540-36-3	1,4-Difluorobenzene	275000	6.757			
3114-55-4	Chlorobenzene-d5	240000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	107000	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\VX102924\
Data File : VX043594.D
Acq On : 29 Oct 2024 14:06
Operator : JC/MD
Sample : P4548-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Time: Oct 30 01:31:45 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	149761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	275286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	102170	42.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.580%		
35) Dibromofluoromethane	5.385	113	85635	45.875	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	8.647	98	320898	49.660	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.320%		
62) 4-Bromofluorobenzene	11.079	95	114189	47.689	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.380%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	1134	0.597	ug/l	99
8) Diethyl Ether	2.136	74	607	0.566	ug/l	77
16) Acetone	2.392	43	1991	2.100	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	1940	0.896	ug/l	89
65) Chlorobenzene	10.079	112	4463	0.863	ug/l	99

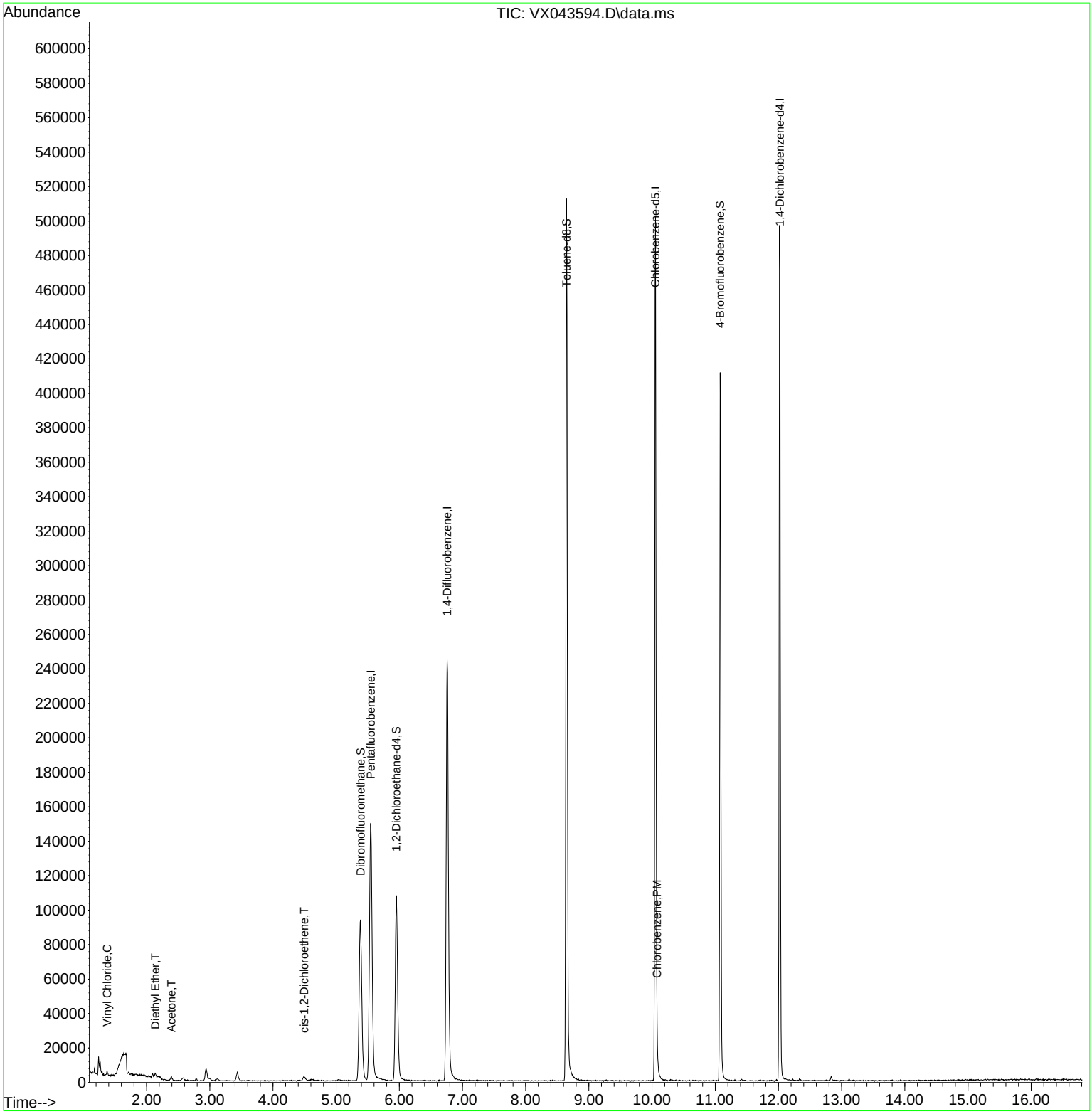
(#) = qualifier out of range (m) = manual integration (+) = signals summed

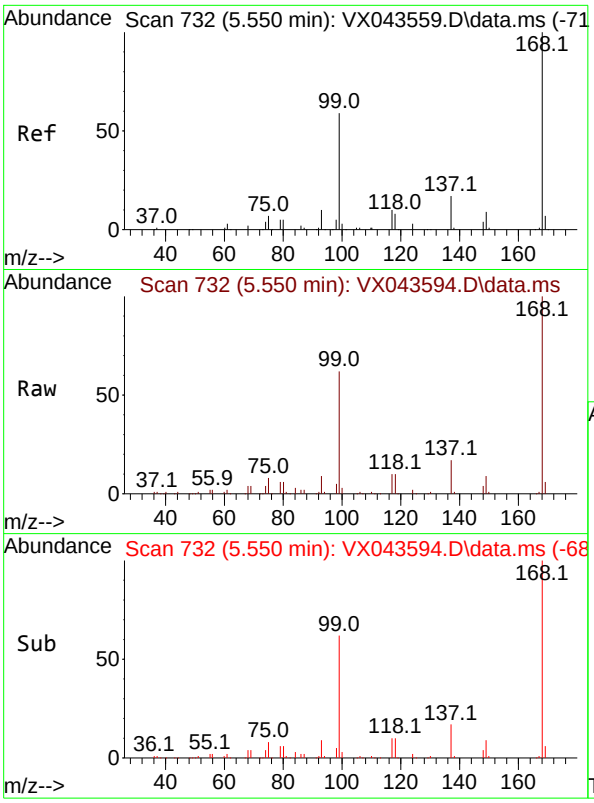
Sample Results: **VX043594.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043594.D
Acq On : 29 Oct 2024 14:06
Operator : JC/MD
Sample : P4548-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Quant Time: Oct 30 01:31:45 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



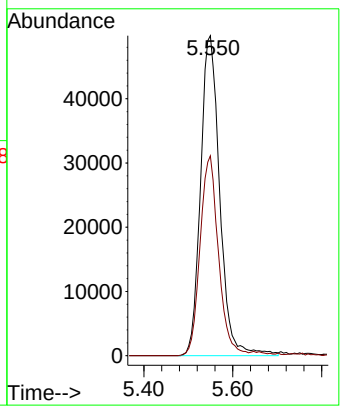


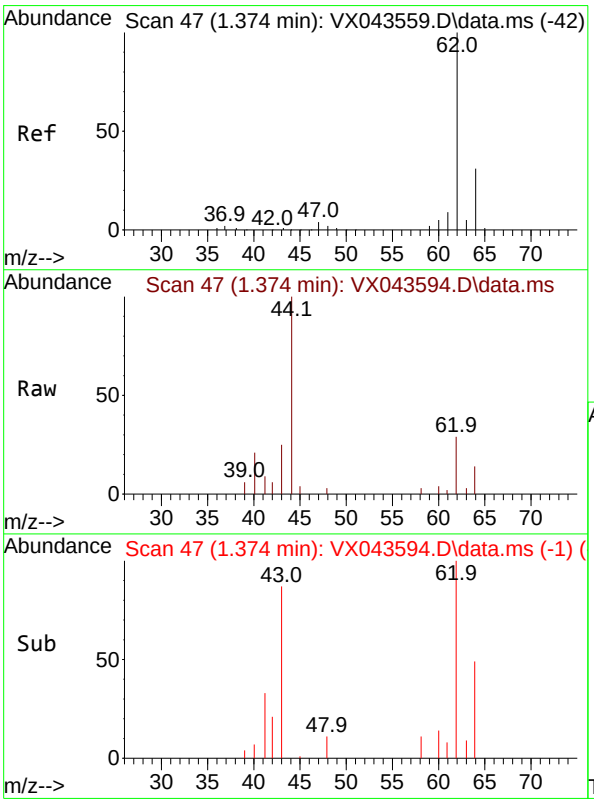
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion:168 Resp: 149761

Ion	Ratio	Lower	Upper
168	100		
99	62.4	52.6	78.8

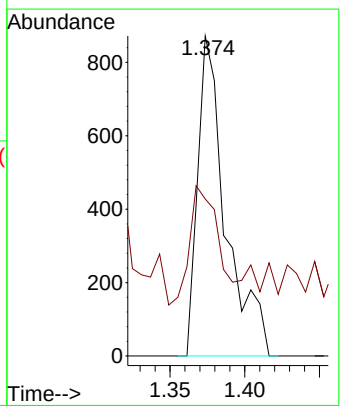


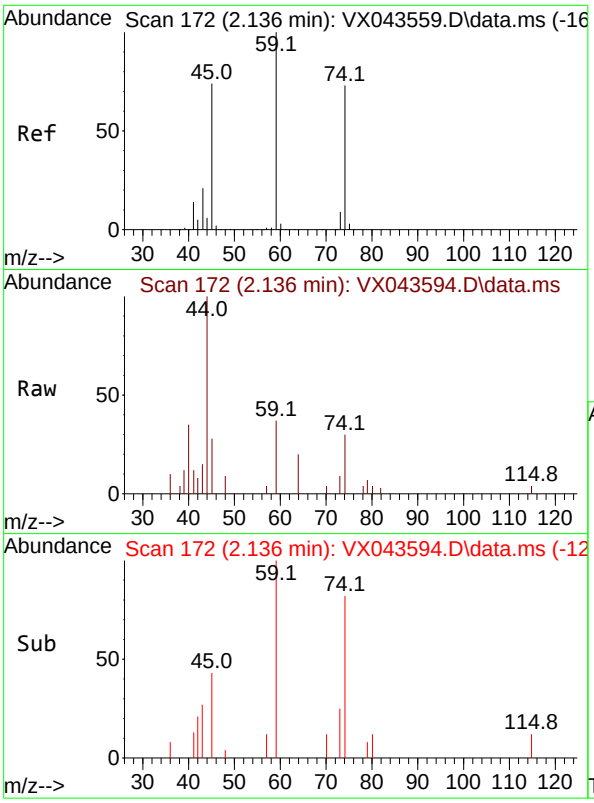


#4
Vinyl Chloride
Concen: 0.597 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 62 Resp: 1134

Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.0	37.4



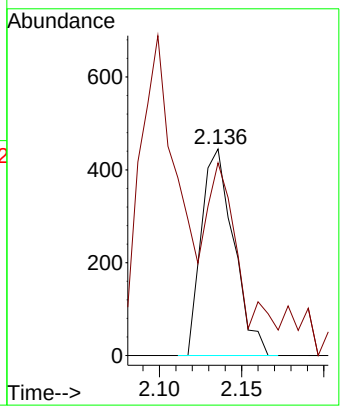


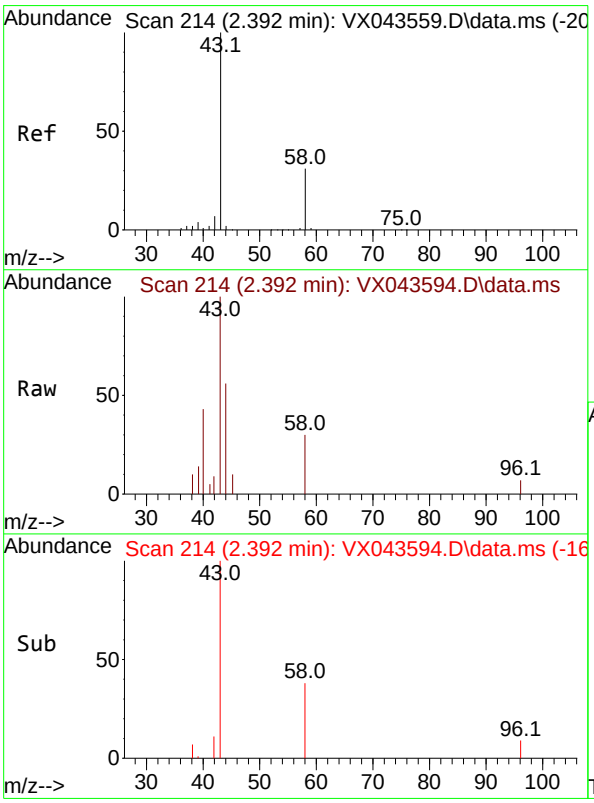
#8
Diethyl Ether
Concen: 0.566 ug/l
RT: 2.136 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion: 74 Resp: 607

Ion	Ratio	Lower	Upper
74	100		
45	72.8	47.5	142.5

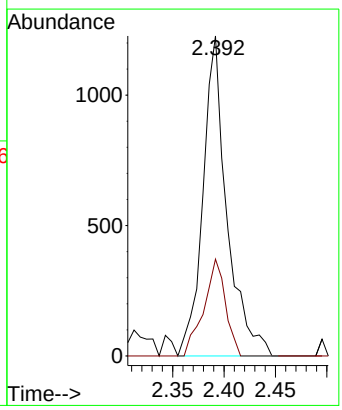


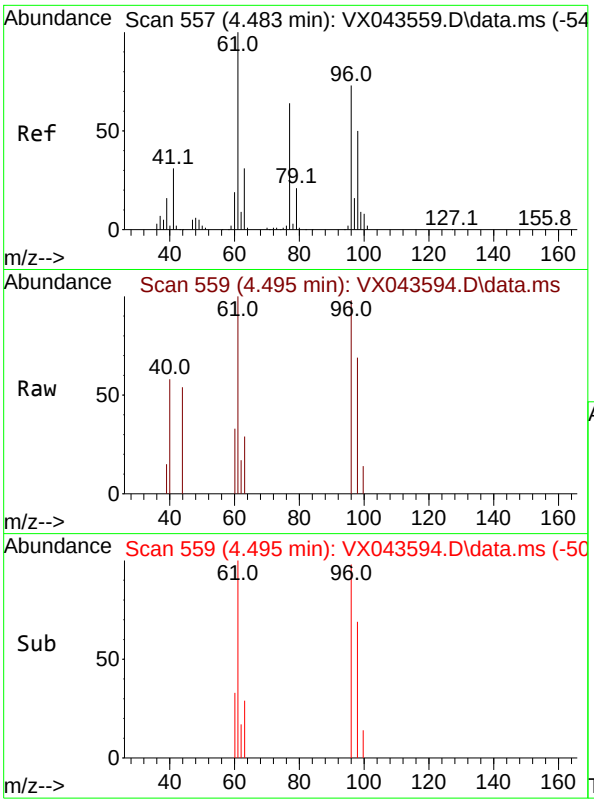


#16
Acetone
Concen: 2.100 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 43 Resp: 1991

Ion	Ratio	Lower	Upper
43	100		
58	30.2	25.1	37.7



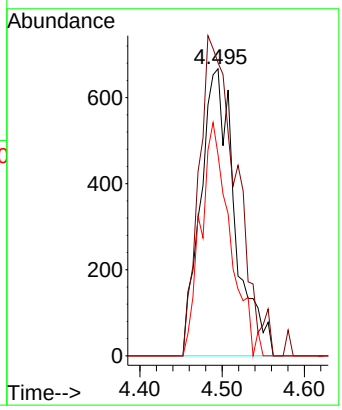


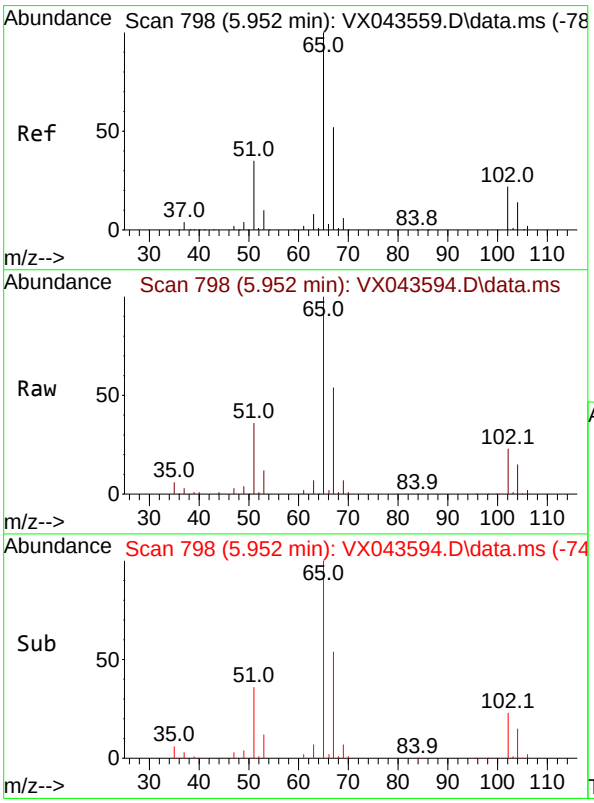
#27
cis-1,2-Dichloroethene
Concen: 0.896 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion: 96 Resp: 1940

Ion	Ratio	Lower	Upper
96	100		
61	120.4	0.0	277.2
98	69.0	0.0	131.6

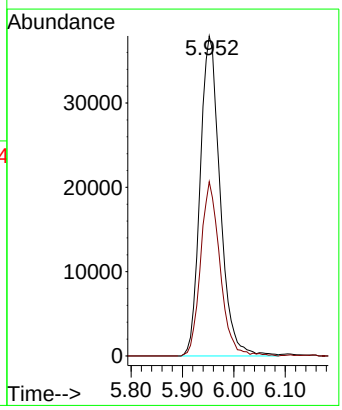


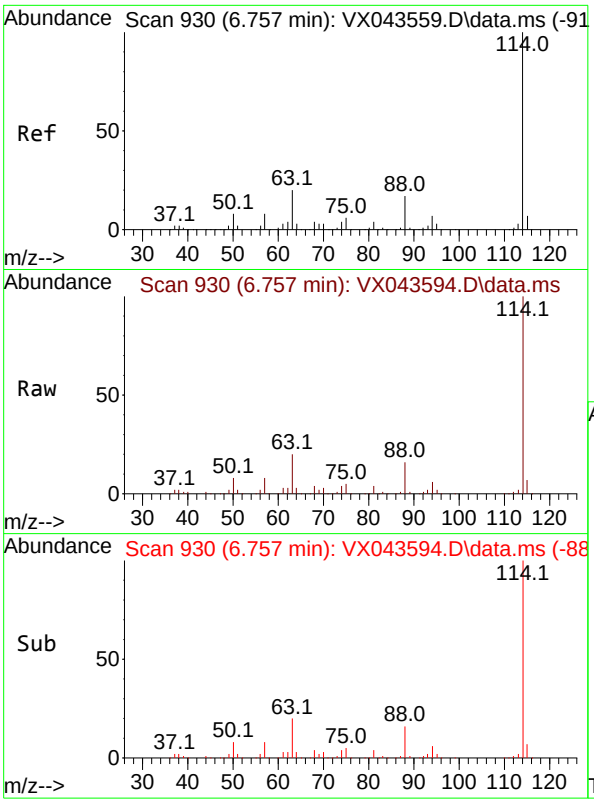


#33
1,2-Dichloroethane-d4
Concen: 42.785 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 65 Resp: 102170

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	103.4



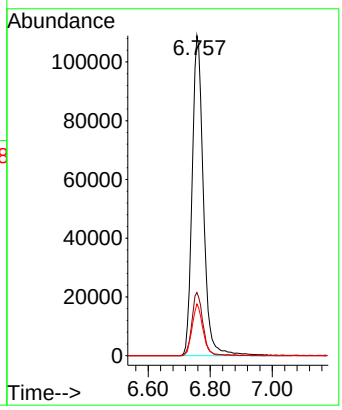


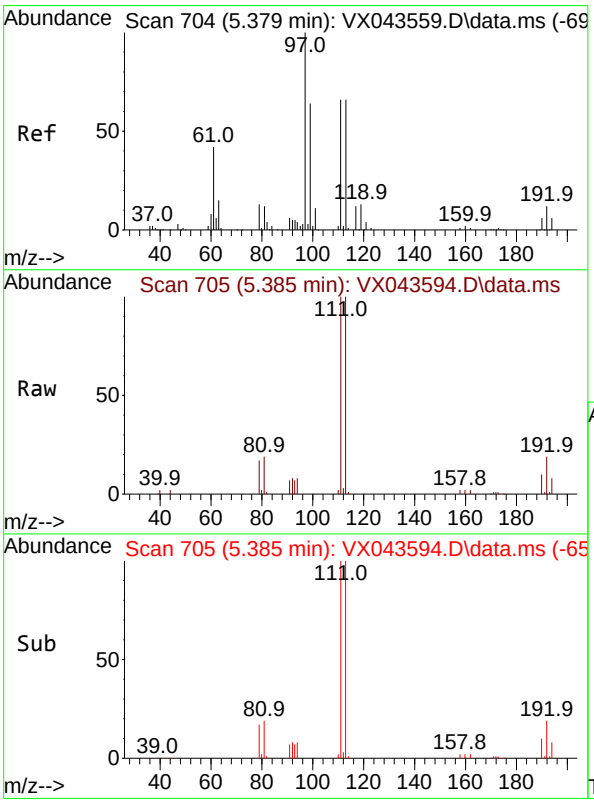
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion:114 Resp: 275286

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.2
88	16.1	0.0	34.0

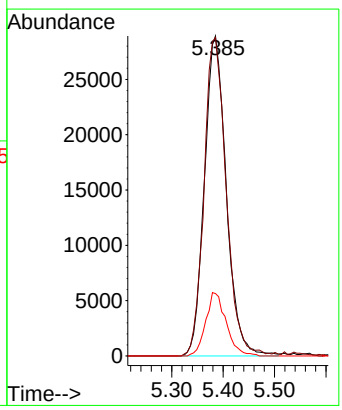


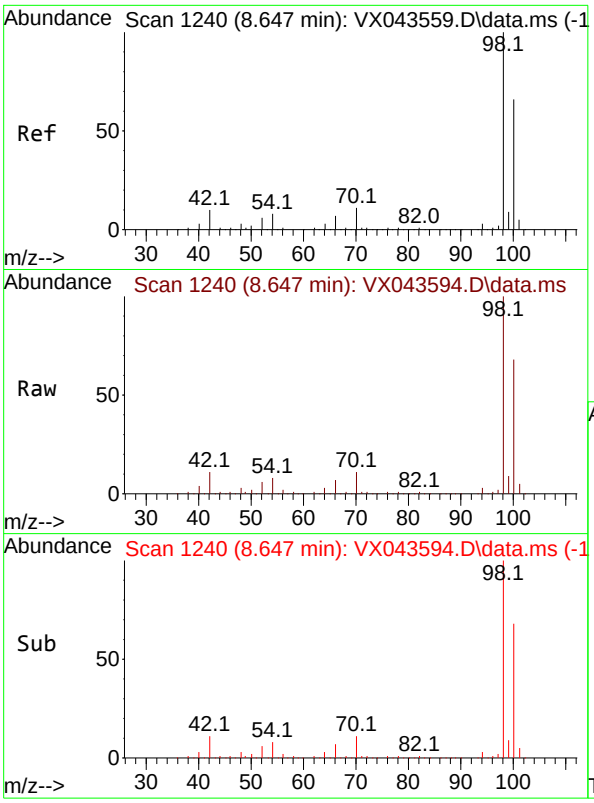


#35
Dibromofluoromethane
Concen: 45.875 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion:113 Resp: 85635

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.4	122.0
192	18.6	14.1	21.1



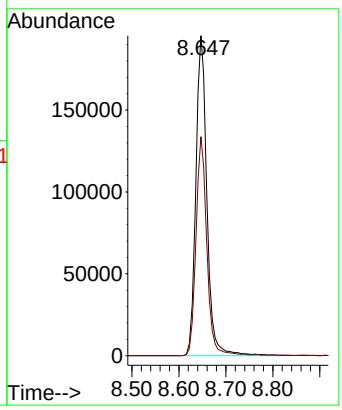


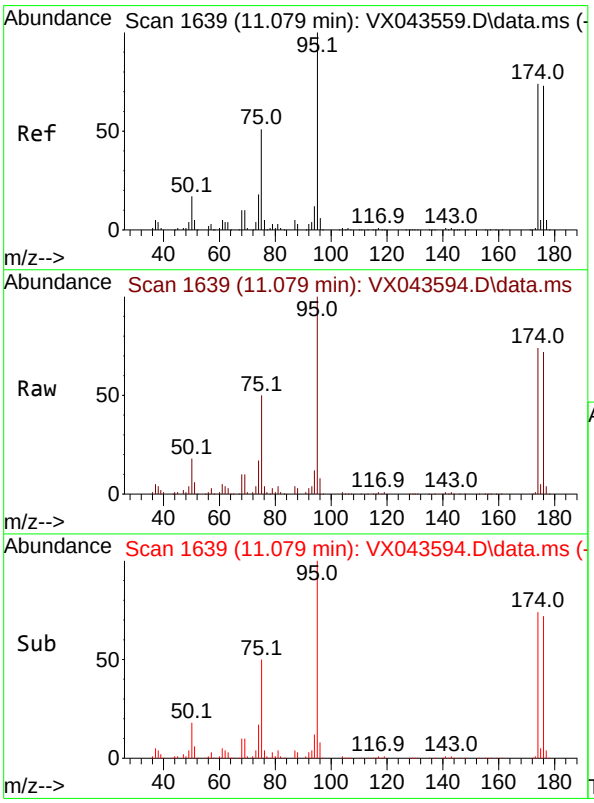
#50
Toluene-d8
Concen: 49.660 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion: 98 Resp: 320898

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2

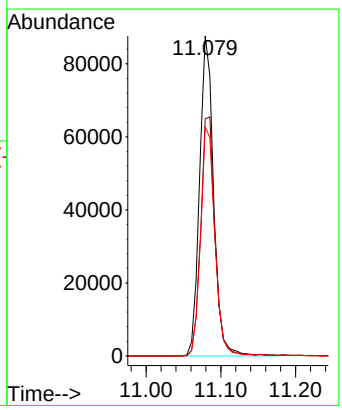


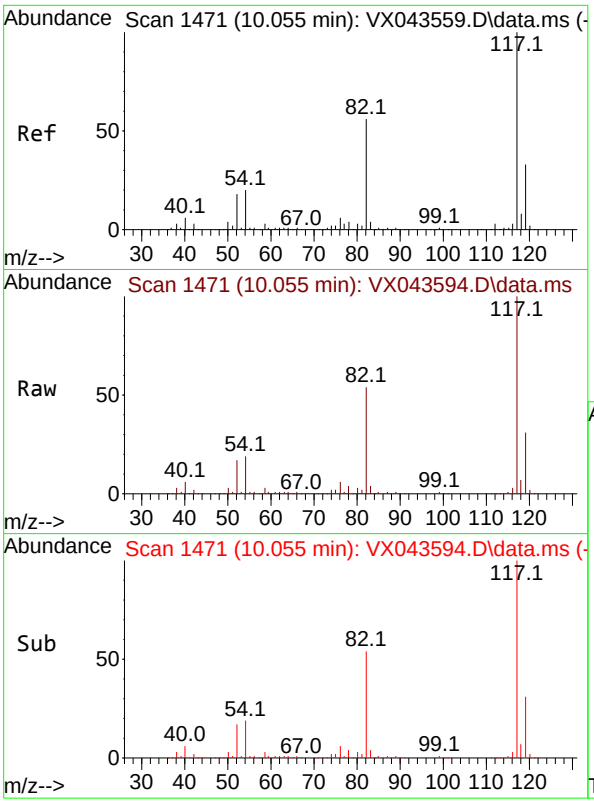


#62
4-Bromofluorobenzene
Concen: 47.689 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion: 95 Resp: 114189

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	146.6
176	72.9	0.0	139.6



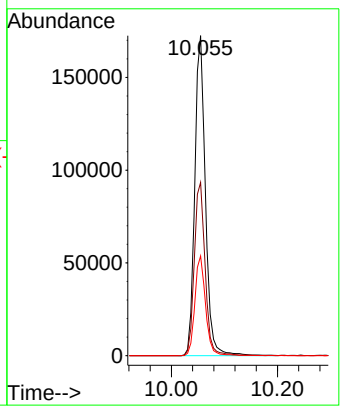


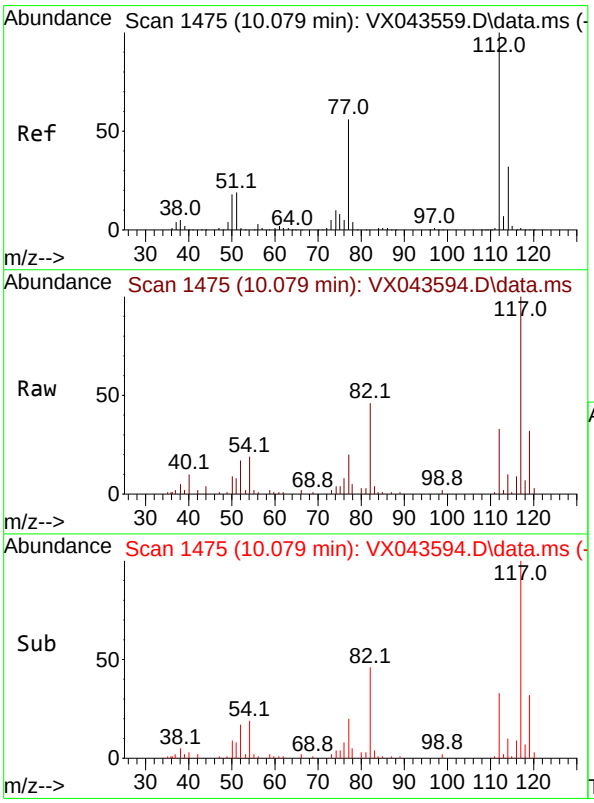
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion:117 Resp: 240367

Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.1	63.1
119	31.2	25.4	38.2

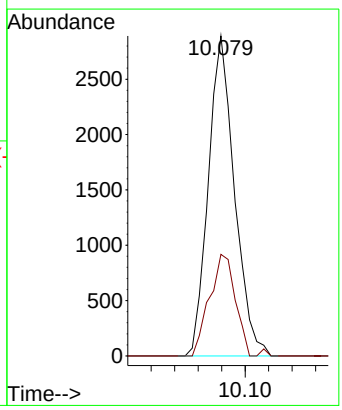


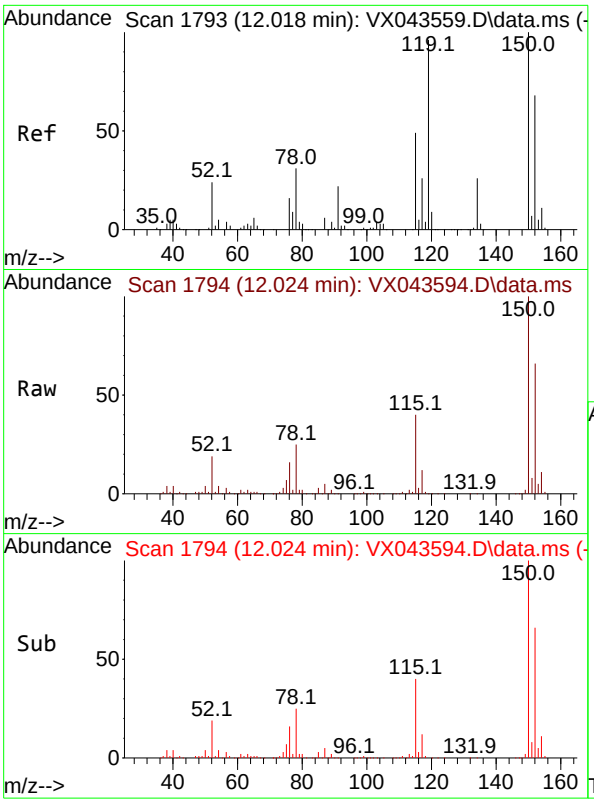


#65
Chlorobenzene
Concen: 0.863 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Tgt Ion:112 Resp: 4463

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.0	37.6



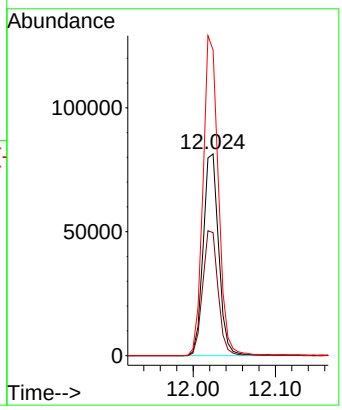


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043594.D
Acq: 29 Oct 2024 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tgt Ion:152 Resp: 106864

Ion	Ratio	Lower	Upper
152	100		
115	61.7	42.9	128.7
150	156.6	0.0	343.6



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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-3	SDG No.:	P4548
Lab Sample ID:	P4548-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043595.D	1		10/29/24 14:29	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.80	J	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043595.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-3	SDG No.:	P4548
Lab Sample ID:	P4548-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043595.D	1		10/29/24 14:29	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.63	U	0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.5		74 - 125	85%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	5.55			
540-36-3	1,4-Difluorobenzene	262000	6.757			
3114-55-4	Chlorobenzene-d5	233000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	104000	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\VX102924\
Data File : VX043595.D
Acq On : 29 Oct 2024 14:29
Operator : JC/MD
Sample : P4548-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: Oct 30 01:32:18 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	141379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	261836	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95851	42.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.040%			
35) Dibromofluoromethane	5.385	113	80540	45.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.720%			
50) Toluene-d8	8.647	98	308673	50.222	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.440%			
62) 4-Bromofluorobenzene	11.079	95	111029	48.751	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.500%			
Target Compounds						Qvalue
16) Acetone	2.392	43	1570	1.754	ug/l	90

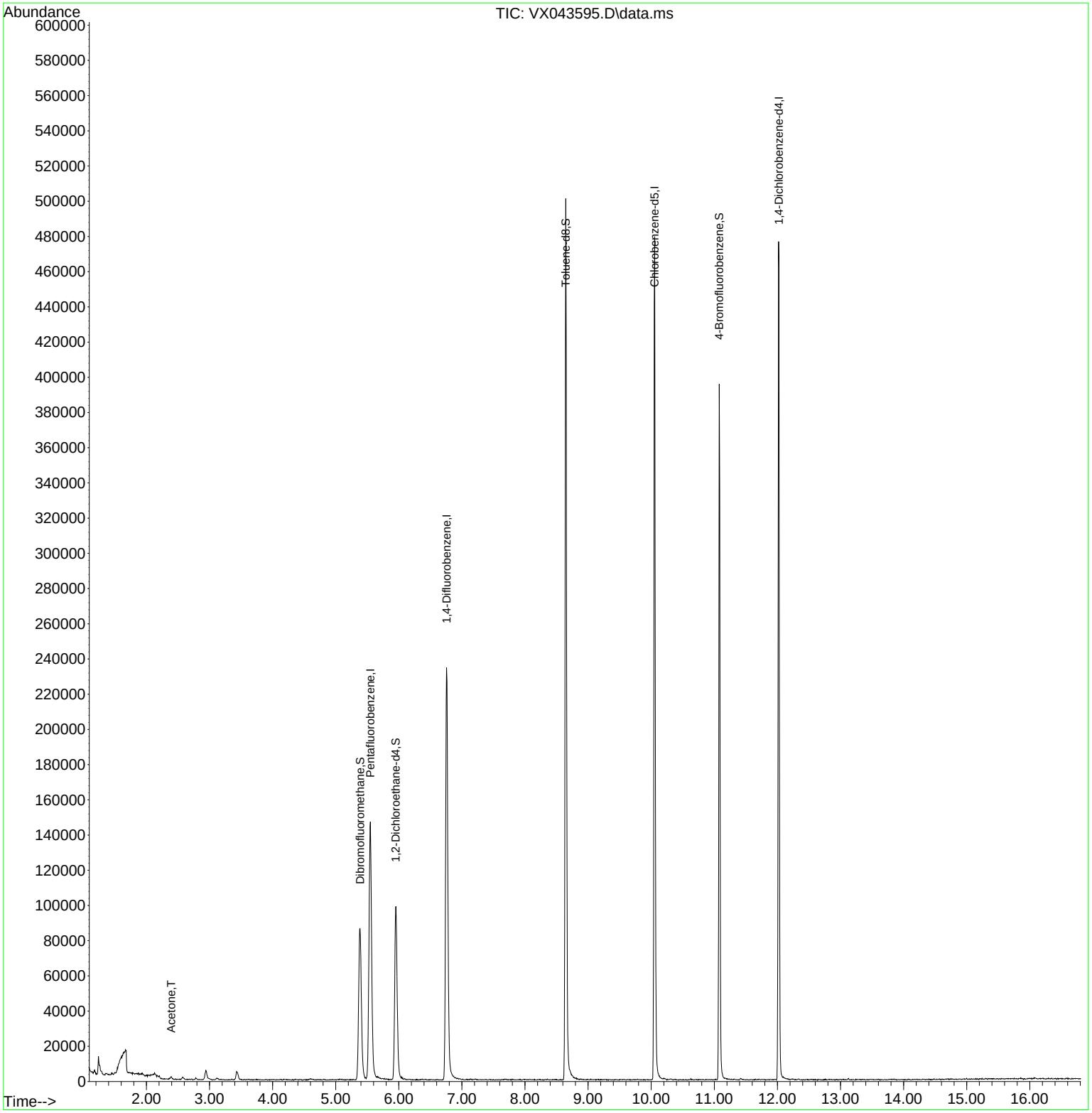
(#) = qualifier out of range (m) = manual integration (+) = signals summed

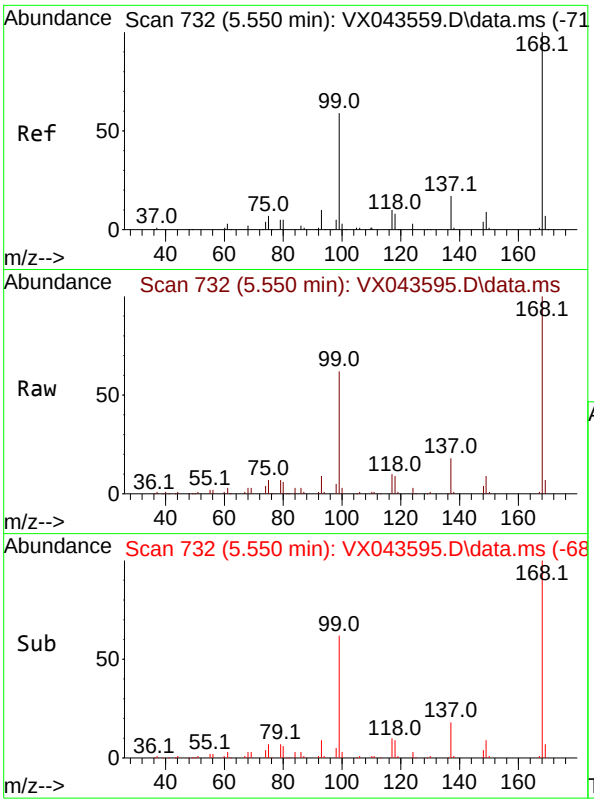
Sample Results: **VX043595.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043595.D
Acq On : 29 Oct 2024 14:29
Operator : JC/MD
Sample : P4548-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Quant Time: Oct 30 01:32:18 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



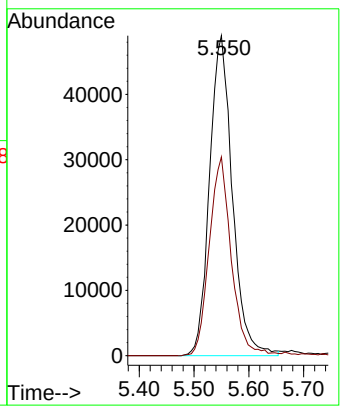


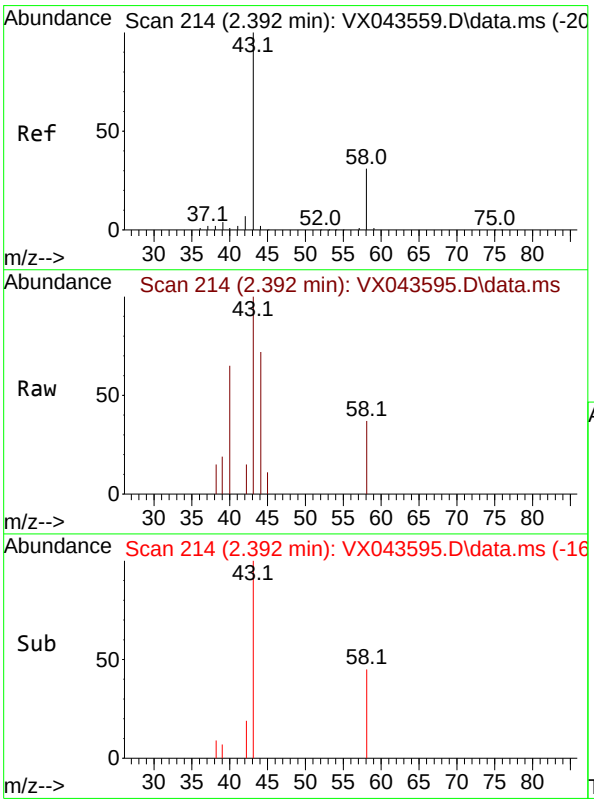
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 141379

Ion	Ratio	Lower	Upper
168	100		
99	62.1	52.6	78.8

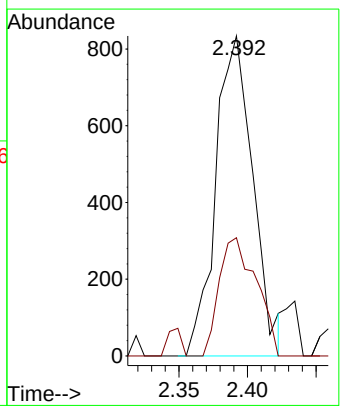


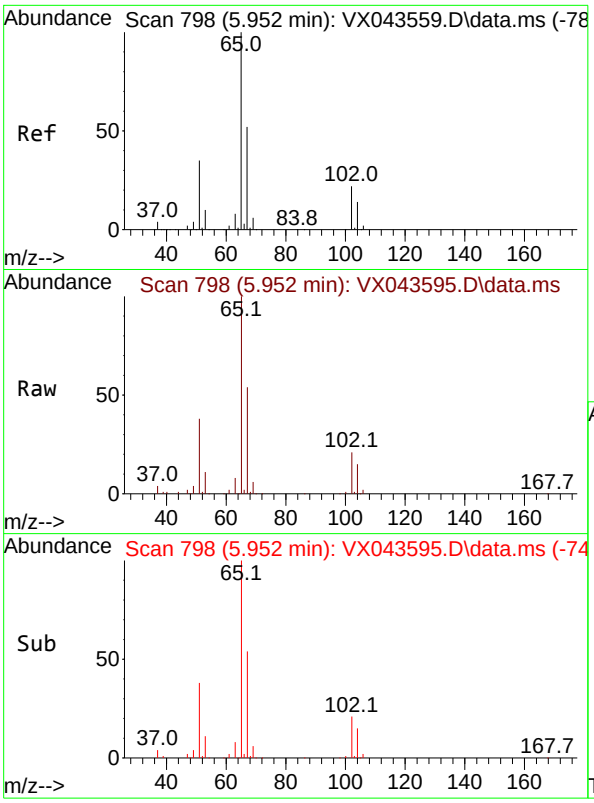


#16
Acetone
Concen: 1.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 43 Resp: 1570

Ion	Ratio	Lower	Upper
43	100		
58	36.9	25.1	37.7



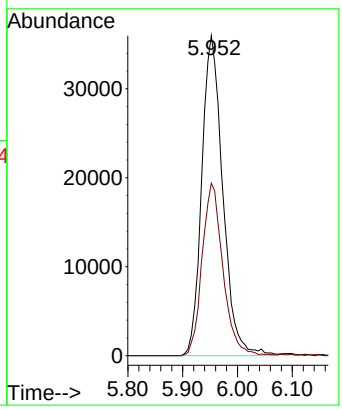


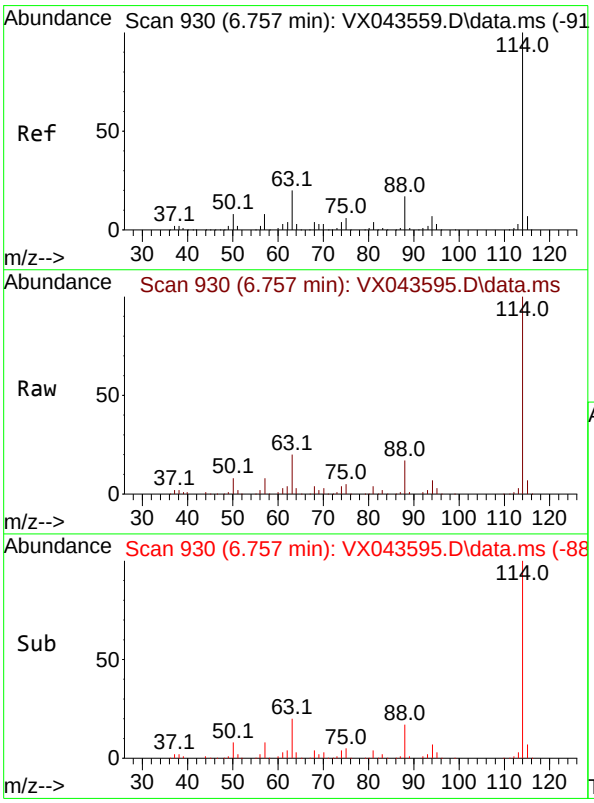
#33
1,2-Dichloroethane-d4
Concen: 42.519 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion: 65 Resp: 95851

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	103.4

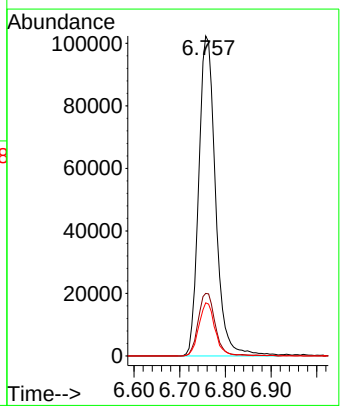


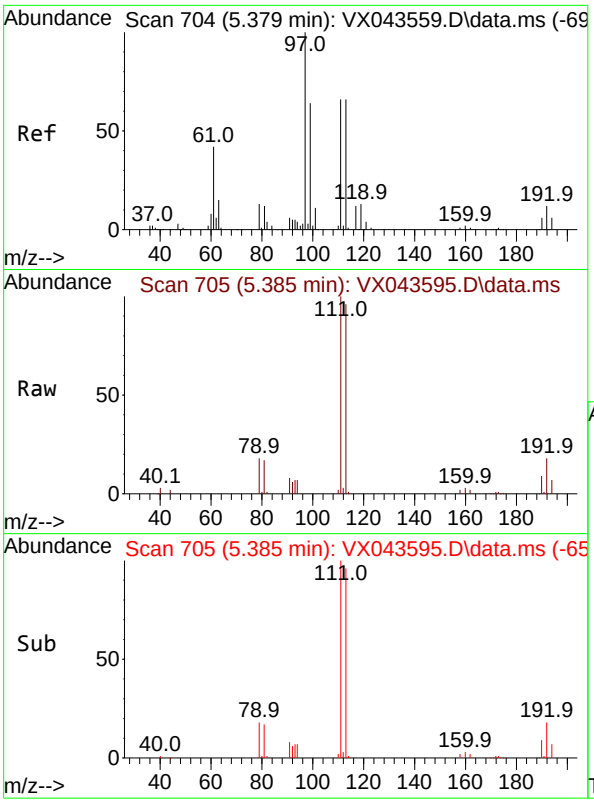


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Tgt Ion:114 Resp: 261836

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.2
88	16.6	0.0	34.0



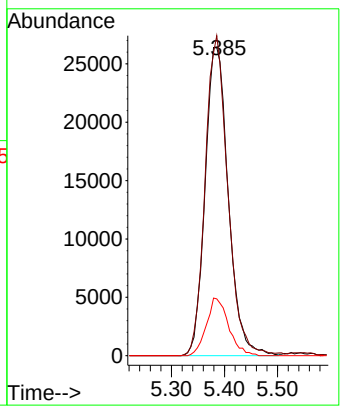


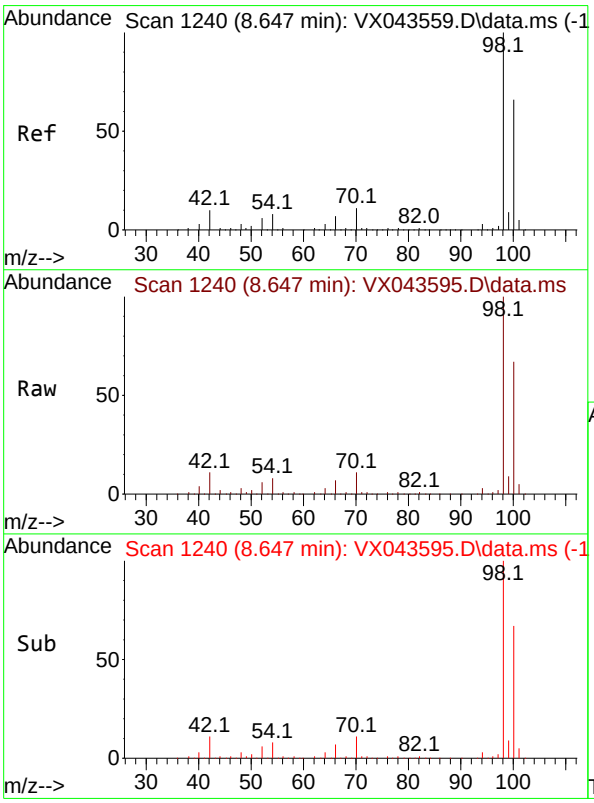
#35
Dibromofluoromethane
Concen: 45.362 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:113 Resp: 80540

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.4	122.0
192	17.8	14.1	21.1

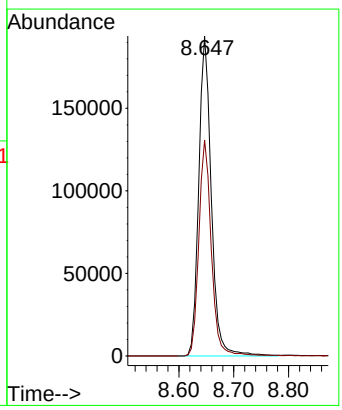


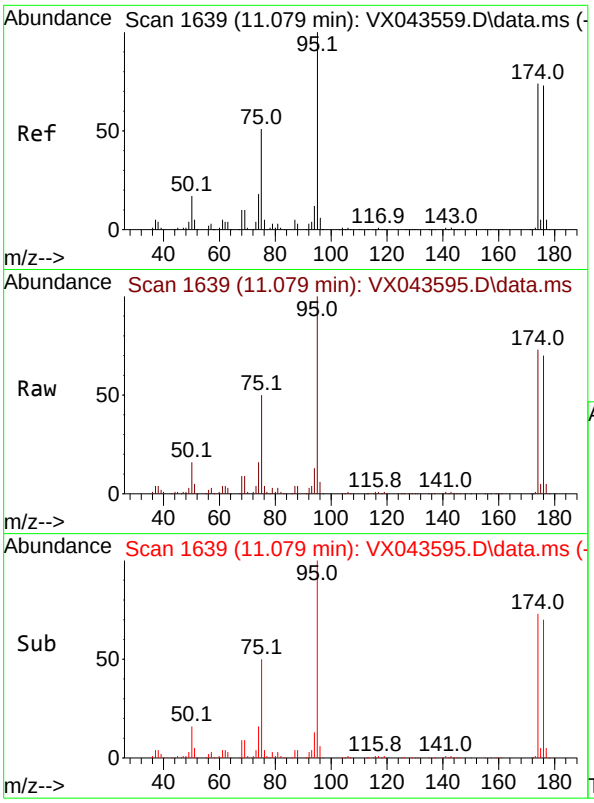


#50
Toluene-d8
Concen: 50.222 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 98 Resp: 308673

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2



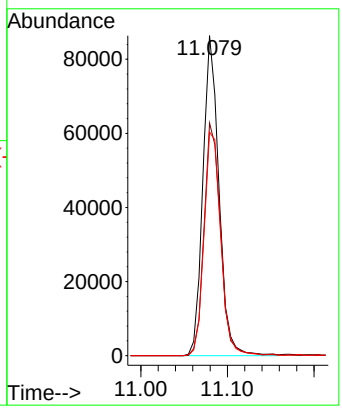


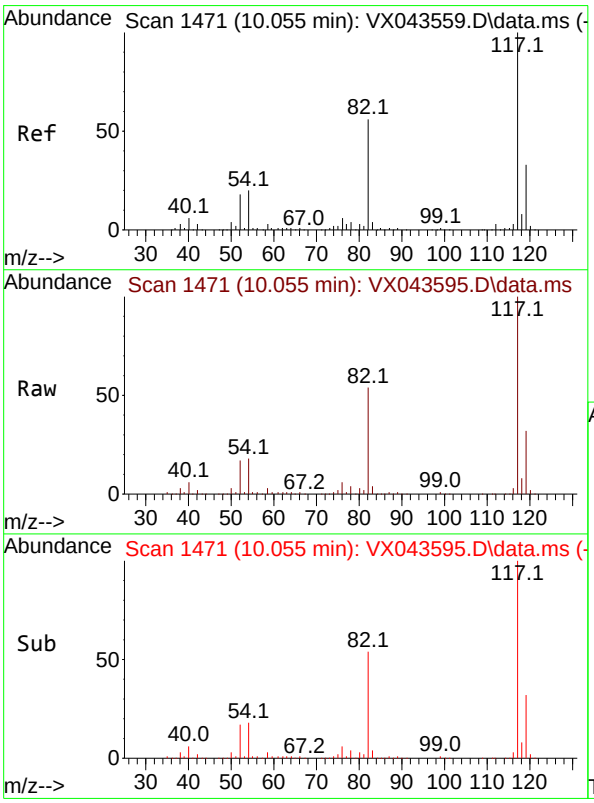
#62
4-Bromofluorobenzene
Concen: 48.751 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion: 95 Resp: 111029

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	146.6
176	73.1	0.0	139.6

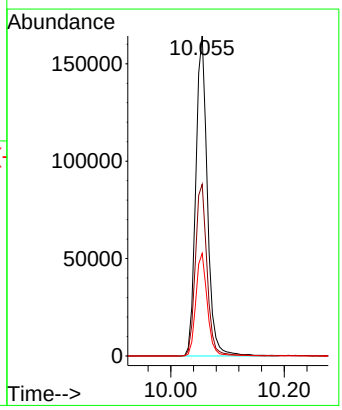


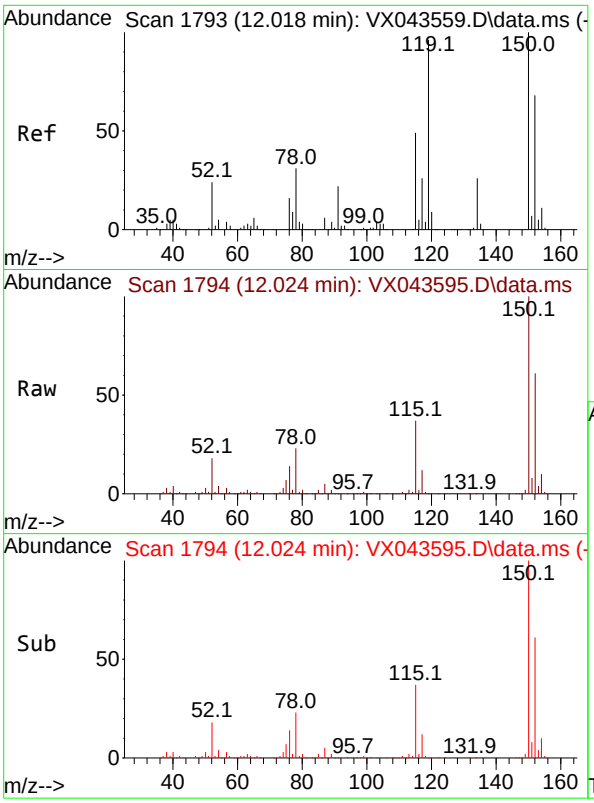


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Tgt Ion:117 Resp: 233166

Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.1	63.1
119	32.1	25.4	38.2



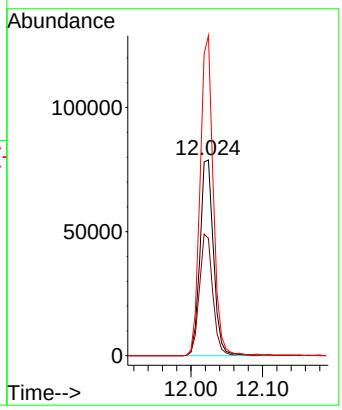


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043595.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tgt Ion:152 Resp: 104208

Ion	Ratio	Lower	Upper
152	100		
115	61.2	42.9	128.7
150	157.4	0.0	343.6



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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-4	SDG No.:	P4548
Lab Sample ID:	P4548-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043596.D	1		10/29/24 14:52	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	2.00	J	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.28	J	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043596.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	MW-4	SDG No.:	P4548
Lab Sample ID:	P4548-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043596.D	1		10/29/24 14:52	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.63	U	0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	5.55			
540-36-3	1,4-Difluorobenzene	271000	6.757			
3114-55-4	Chlorobenzene-d5	234000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	105000	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\VX102924\
Data File : VX043596.D
Acq On : 29 Oct 2024 14:52
Operator : JC/MD
Sample : P4548-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: Oct 30 01:32:45 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

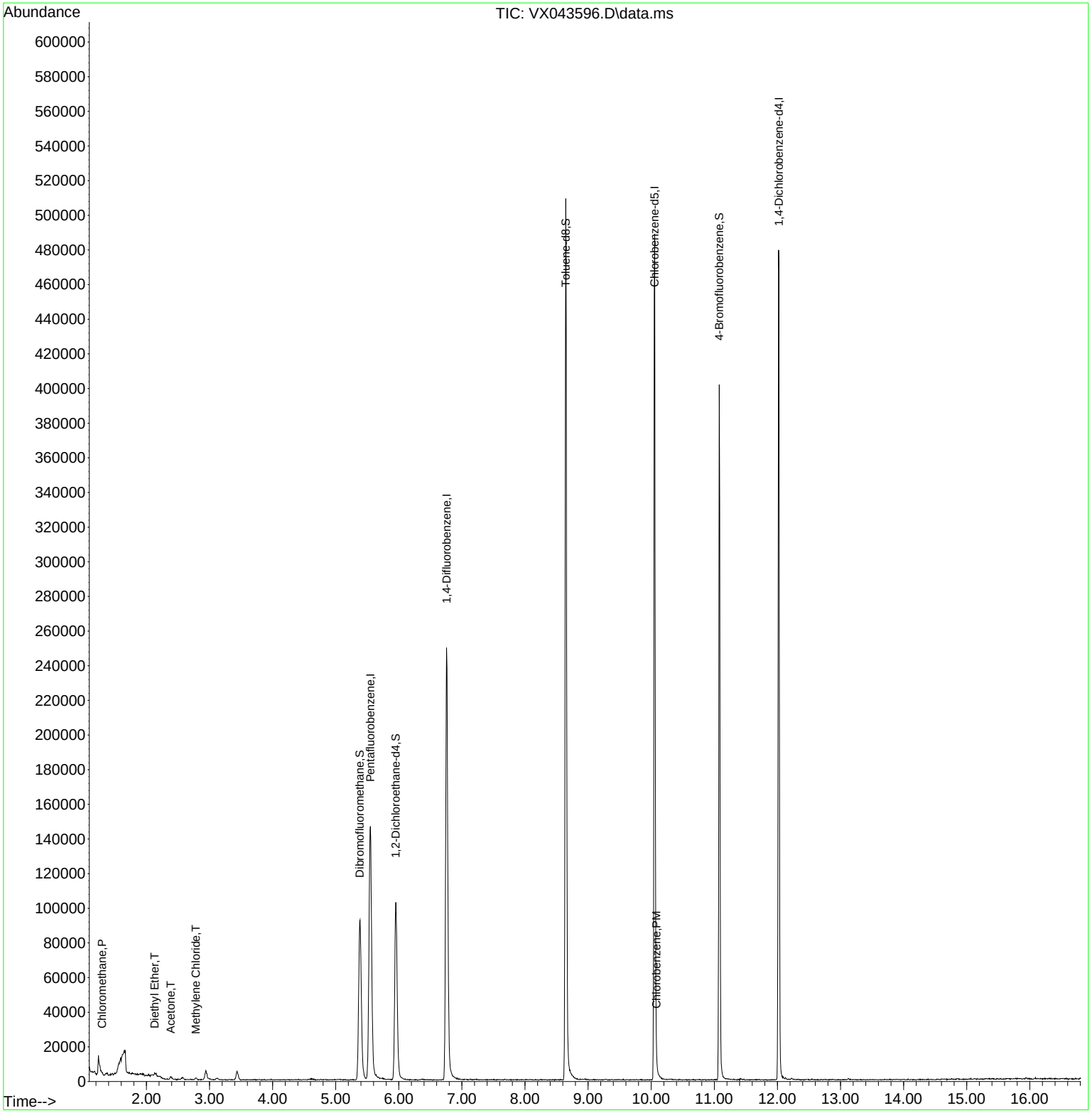
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	145951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100847	43.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.660%		
35) Dibromofluoromethane	5.379	113	84453	46.037	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.080%		
50) Toluene-d8	8.647	98	314788	49.571	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.140%		
62) 4-Bromofluorobenzene	11.079	95	111439	47.359	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.720%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	609	0.305	ug/l #	81
8) Diethyl Ether	2.130	74	425	0.407	ug/l	53
16) Acetone	2.386	43	1855	2.007	ug/l	91
20) Methylene Chloride	2.782	84	611	0.307	ug/l #	60
65) Chlorobenzene	10.086	112	1419	0.282	ug/l	93

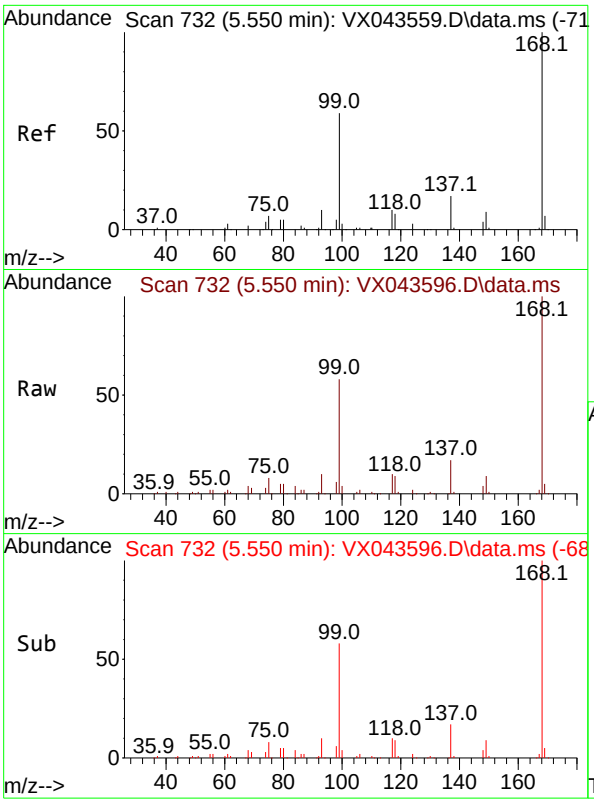
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043596.D
Acq On : 29 Oct 2024 14:52
Operator : JC/MD
Sample : P4548-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Quant Time: Oct 30 01:32:45 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



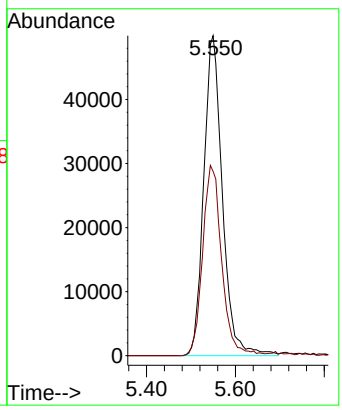


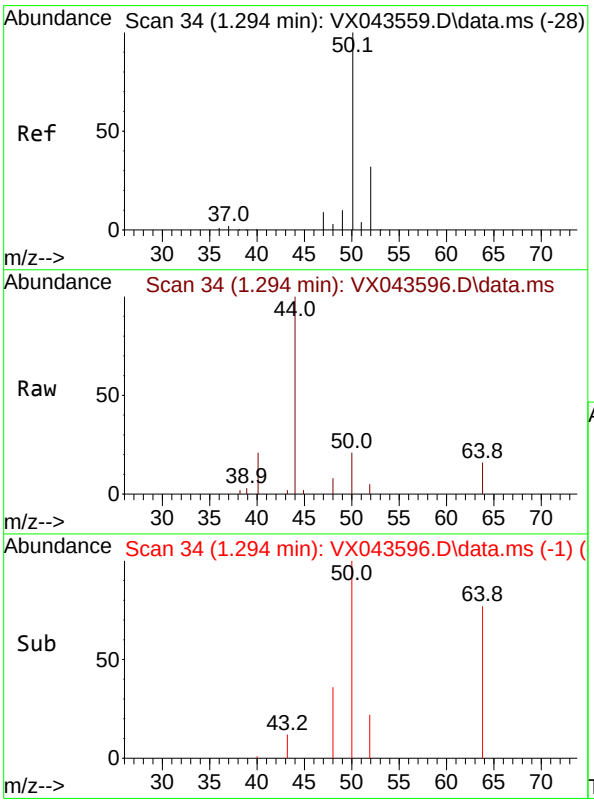
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion:168 Resp: 145951

Ion	Ratio	Lower	Upper
168	100		
99	57.6	52.6	78.8

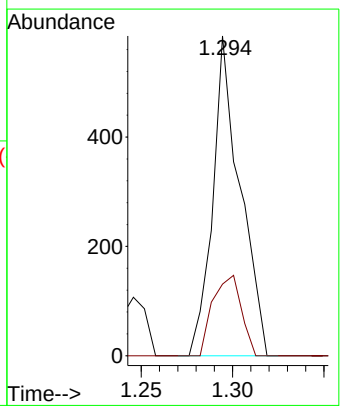


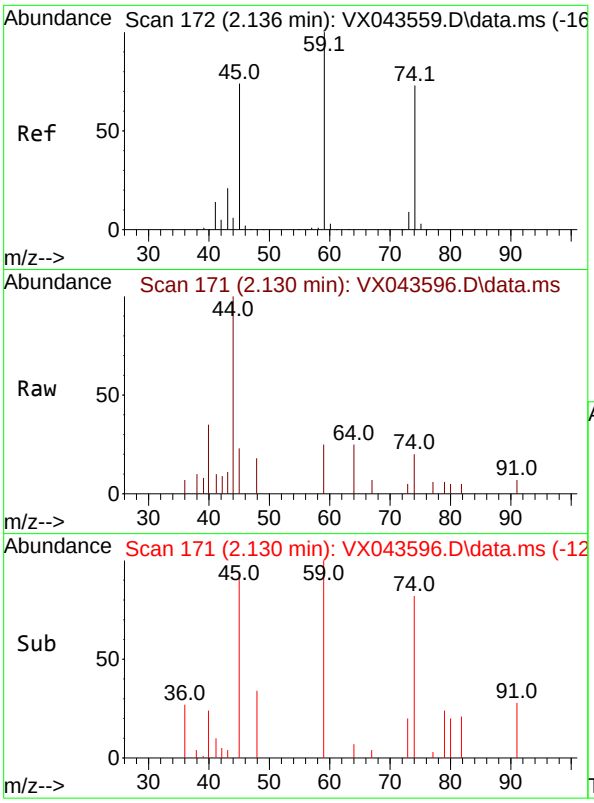


#3
Chloromethane
Concen: 0.305 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Tgt Ion: 50 Resp: 609

Ion	Ratio	Lower	Upper
50	100		
52	22.4	26.3	39.5#



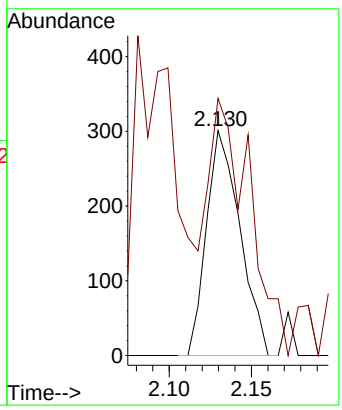


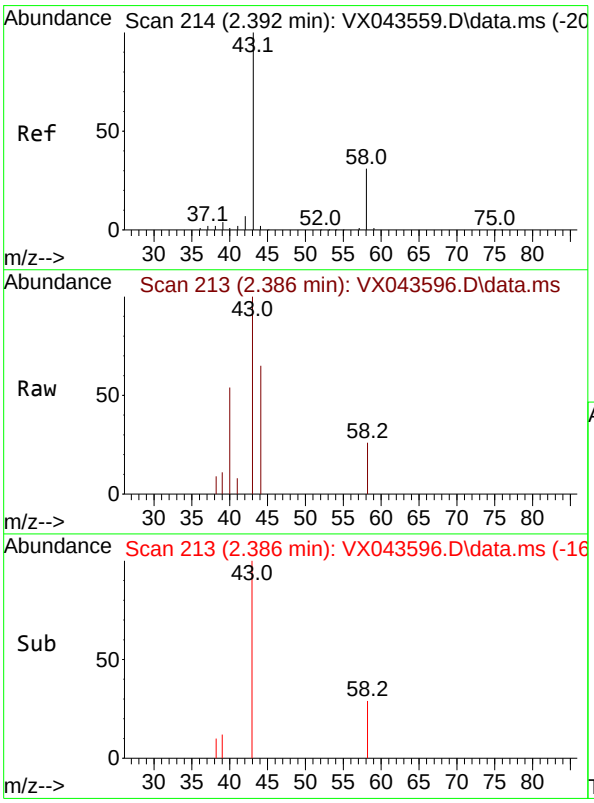
#8
Diethyl Ether
Concen: 0.407 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 74 Resp: 425

Ion	Ratio	Lower	Upper
74	100		
45	140.9	47.5	142.5

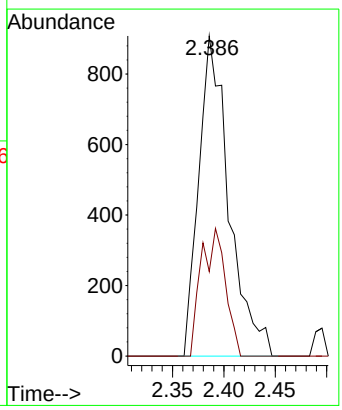


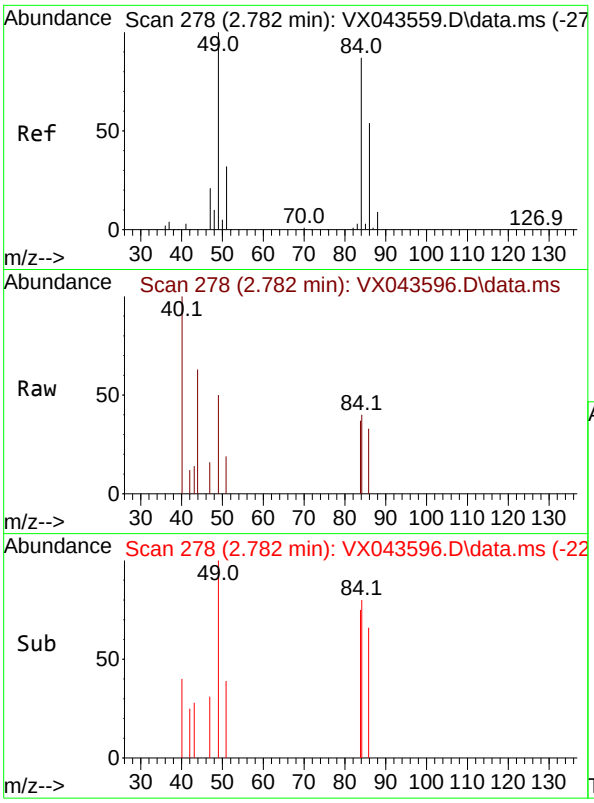


#16
Acetone
Concen: 2.007 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Tgt Ion: 43 Resp: 1855

Ion	Ratio	Lower	Upper
43	100		
58	26.4	25.1	37.7



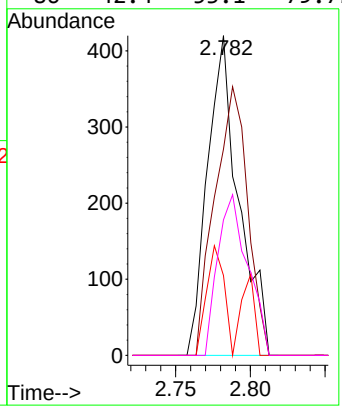


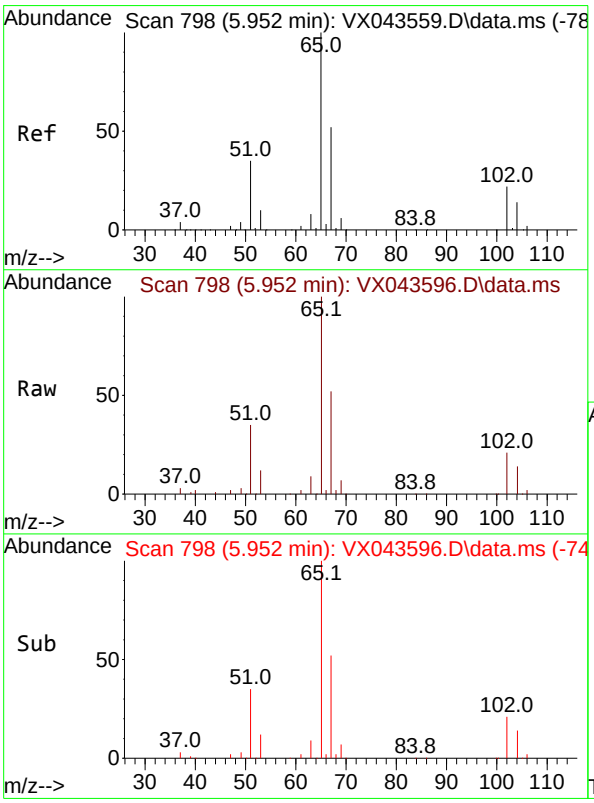
#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.782 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 84 Resp: 611

Ion	Ratio	Lower	Upper
84	100		
49	64.5	97.0	145.6#
51	25.0	29.8	44.8#
86	42.4	53.1	79.7#

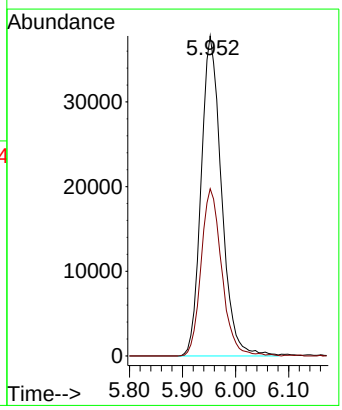


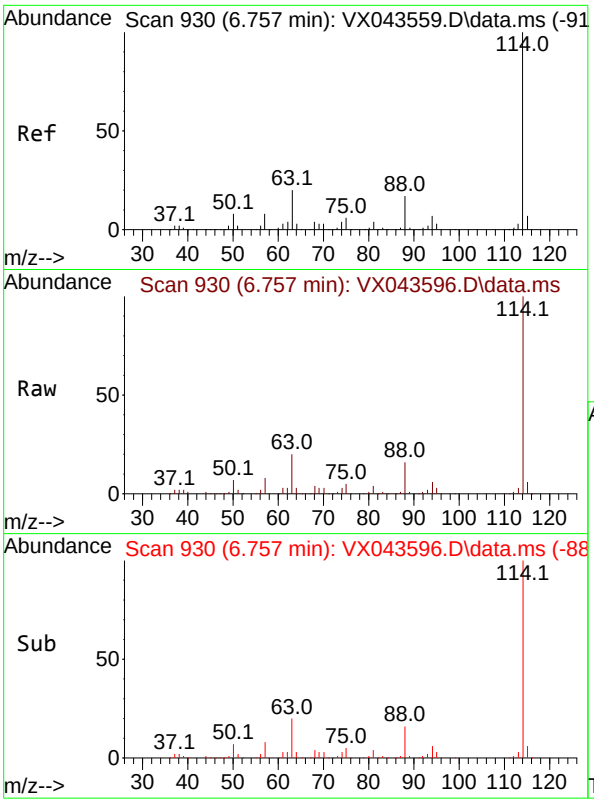


#33
1,2-Dichloroethane-d4
Concen: 43.334 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Tgt Ion: 65 Resp: 100847

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



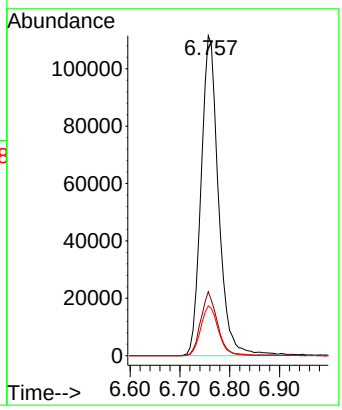


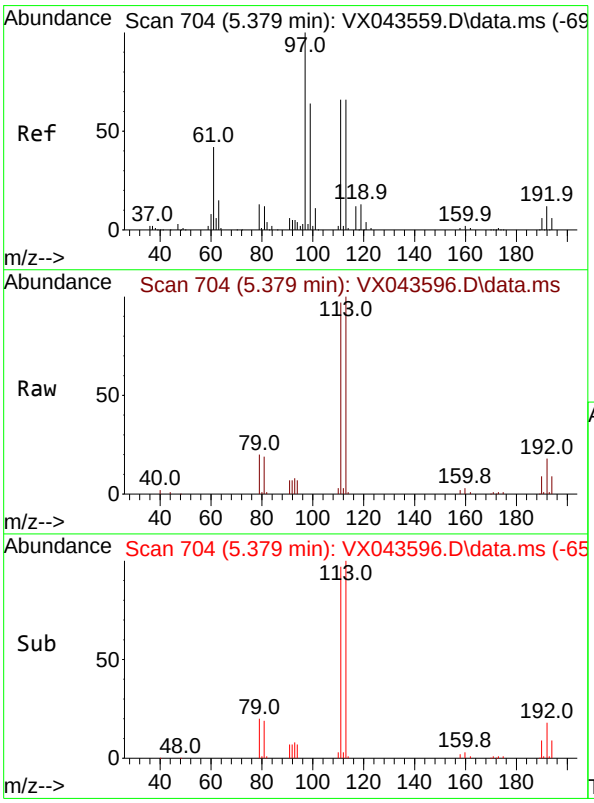
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion:114 Resp: 270530

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.2
88	15.6	0.0	34.0

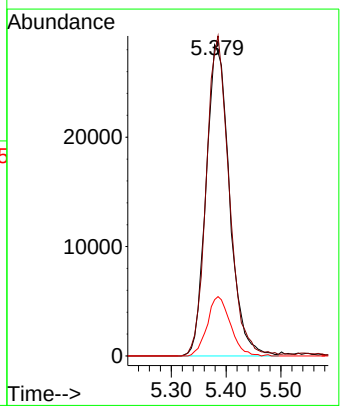


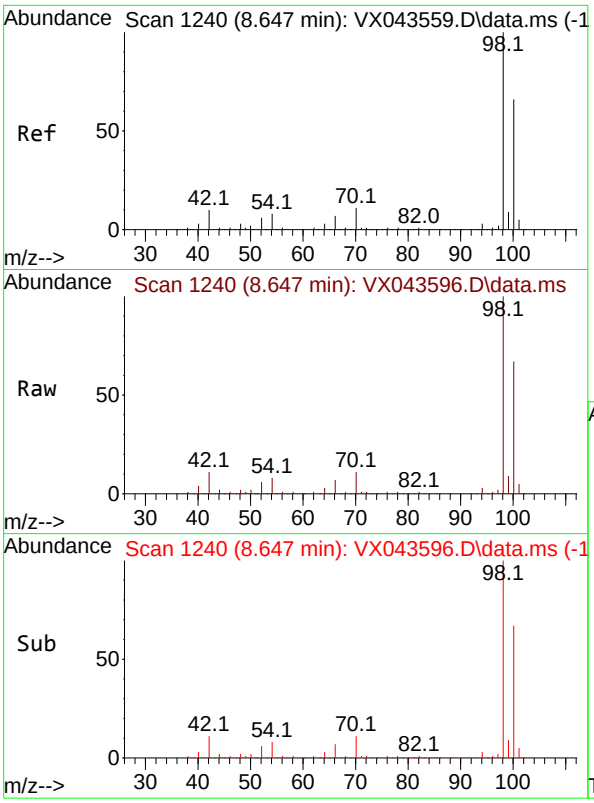


#35
Dibromofluoromethane
Concen: 46.037 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Tgt Ion:113 Resp: 84453

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.4	122.0
192	18.8	14.1	21.1



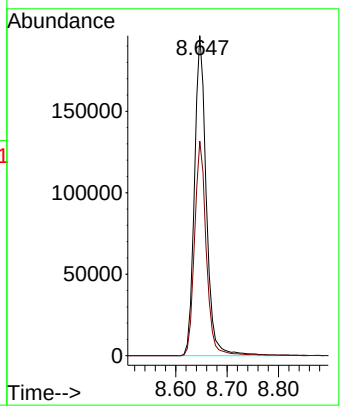


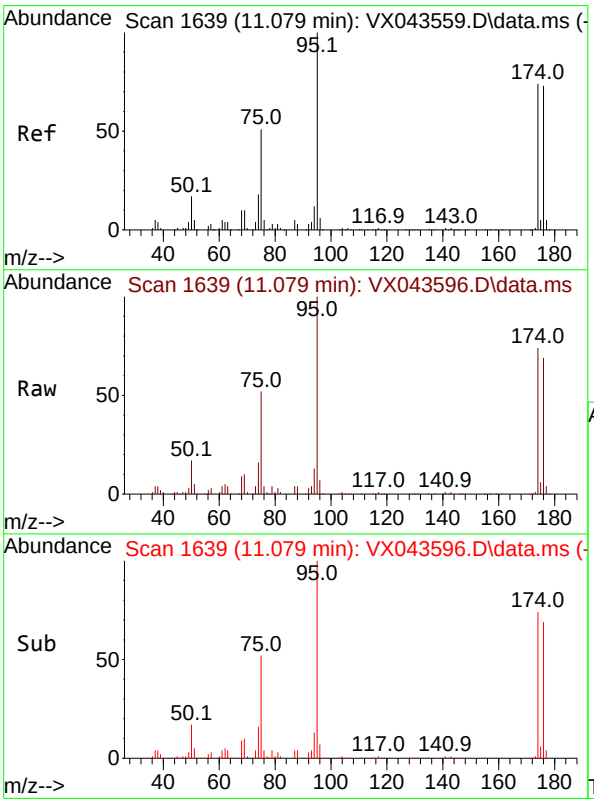
#50
Toluene-d8
Concen: 49.571 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 98 Resp: 314788

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.4	80.2

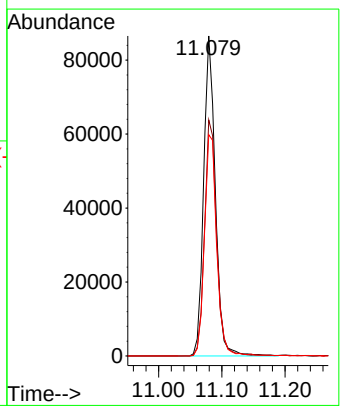


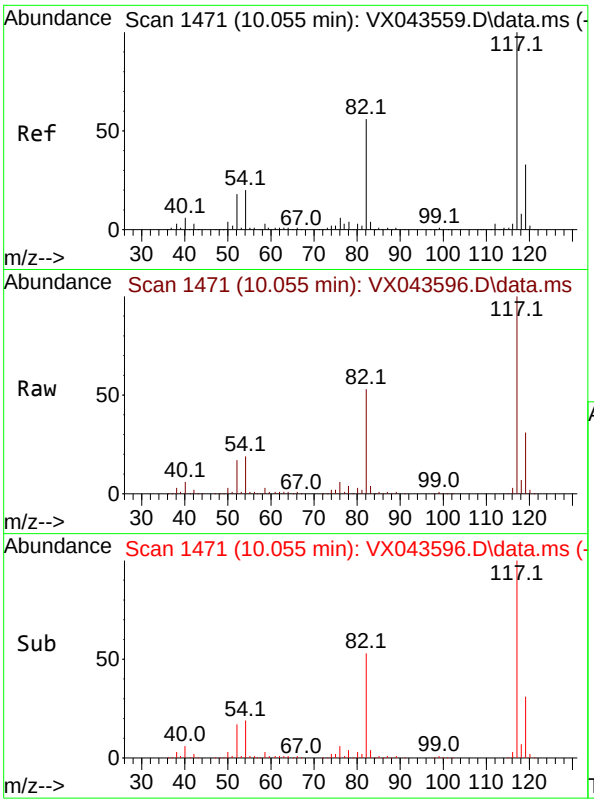


#62
4-Bromofluorobenzene
Concen: 47.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Tgt Ion: 95 Resp: 111439

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	146.6
176	72.6	0.0	139.6



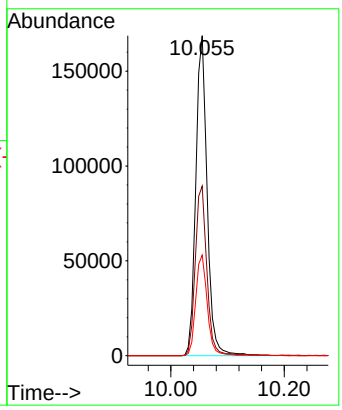


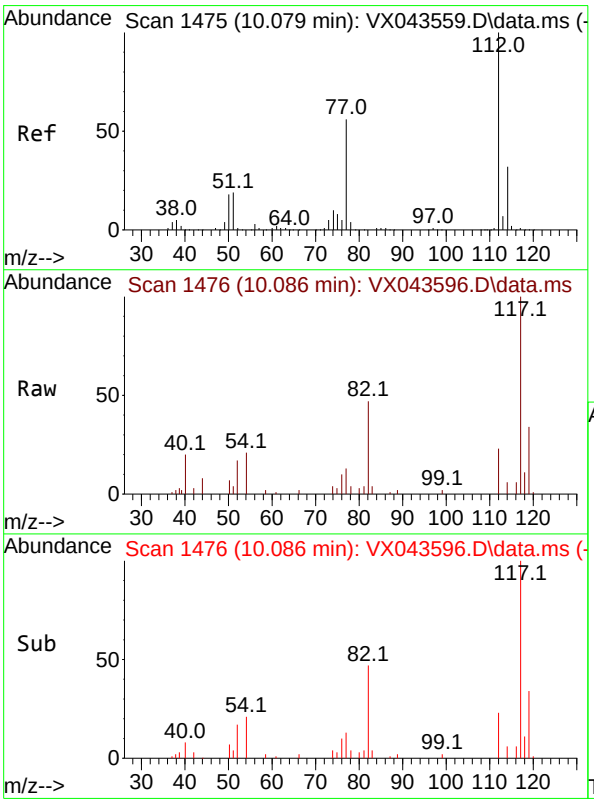
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion:117 Resp: 234106

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.1	63.1
119	31.5	25.4	38.2

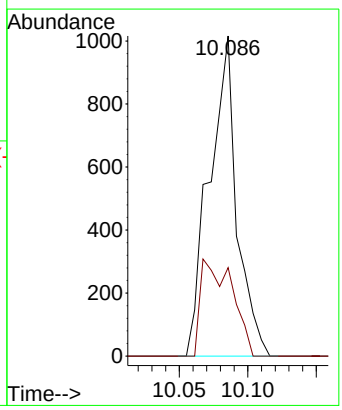


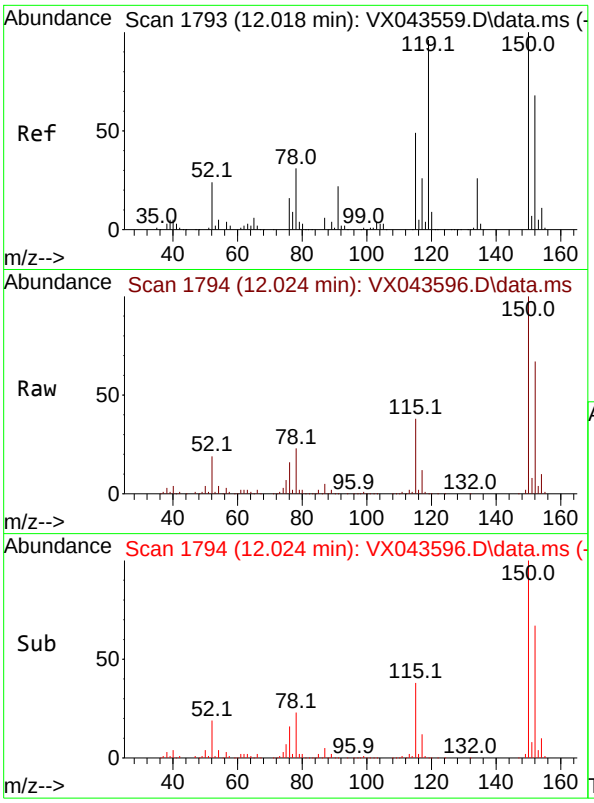


#65
Chlorobenzene
Concen: 0.282 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Tgt Ion:112 Resp: 1419

Ion	Ratio	Lower	Upper
112	100		
114	27.7	25.0	37.6



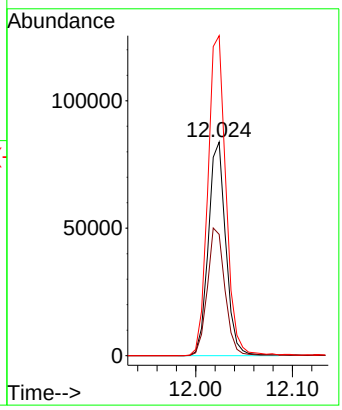


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043596.D
Acq: 29 Oct 2024 14:52

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion:152 Resp: 105382

Ion	Ratio	Lower	Upper
152	100		
115	60.3	42.9	128.7
150	155.2	0.0	343.6



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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	TRIP BLANK	SDG No.:	P4548
Lab Sample ID:	P4548-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043592.D	1		10/29/24 13:19	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.60	J	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
75-09-2	Methylene Chloride	0.36	J	0.32	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043592.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	10/23/24
Project:	Ansonia Landfill 2024	Date Received:	10/24/24
Client Sample ID:	TRIP BLANK	SDG No.:	P4548
Lab Sample ID:	P4548-09	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043592.D	1		10/29/24 13:19	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.63	U	0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.4		74 - 125	89%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	5.55			
540-36-3	1,4-Difluorobenzene	298000	6.757			
3114-55-4	Chlorobenzene-d5	259000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	116000	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: **VX043592.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043592.D
Acq On : 29 Oct 2024 13:19
Operator : JC/MD
Sample : P4548-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Quant Time: Oct 30 01:30:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

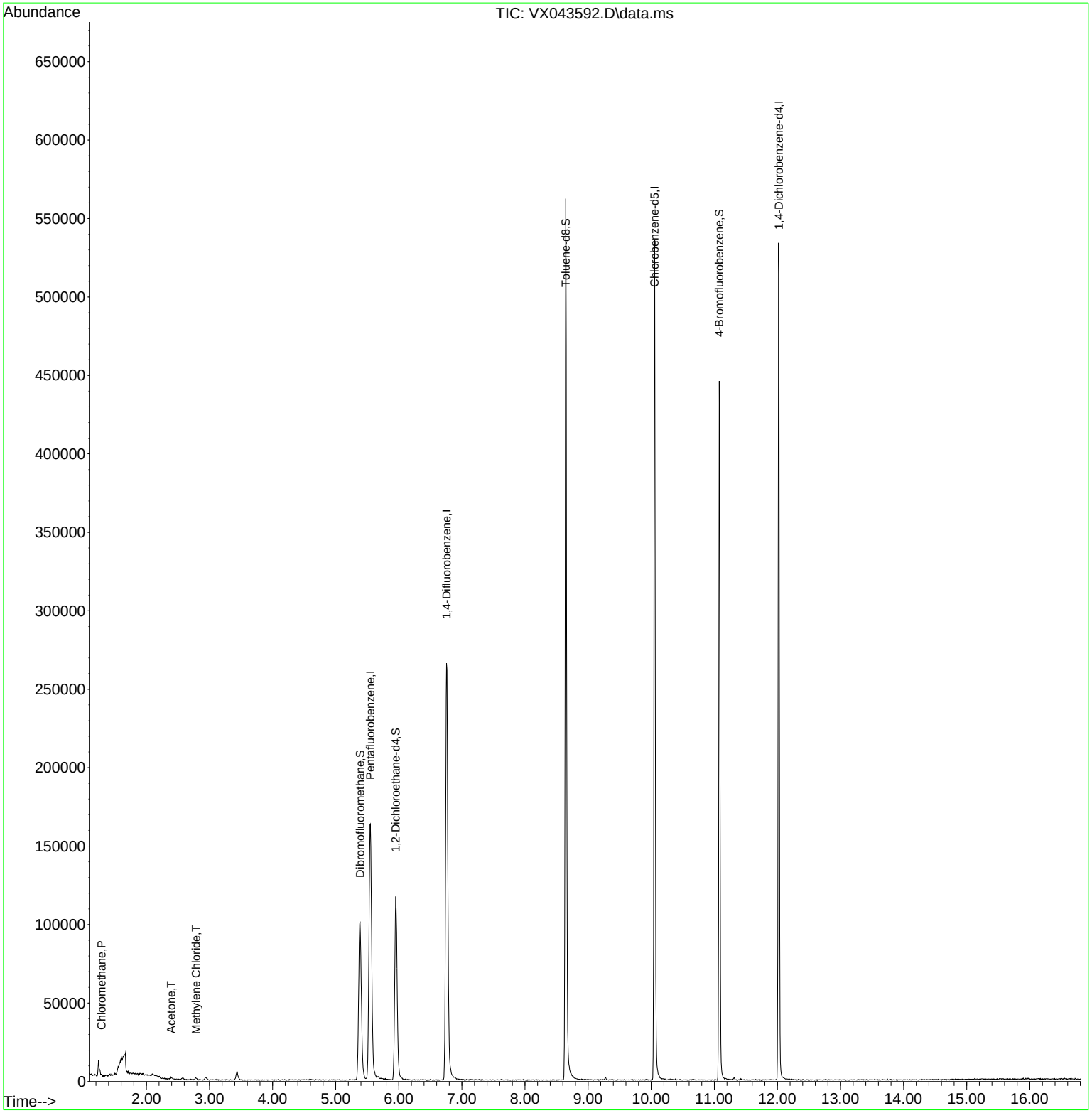
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	160173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	298248	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	115532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113453	44.422	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.840%		
35) Dibromofluoromethane	5.385	113	92267	45.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.240%		
50) Toluene-d8	8.647	98	348344	49.758	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.520%		
62) 4-Bromofluorobenzene	11.079	95	123224	47.500	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.000%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	583	0.266	ug/l #	86
16) Acetone	2.392	43	1574	1.552	ug/l #	82
20) Methylene Chloride	2.788	84	780	0.357	ug/l #	77

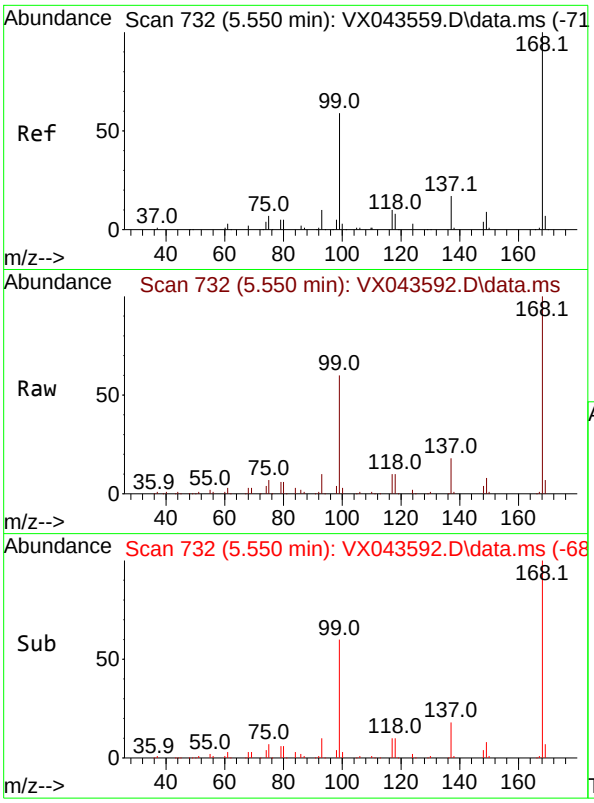
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043592.D
Acq On : 29 Oct 2024 13:19
Operator : JC/MD
Sample : P4548-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Quant Time: Oct 30 01:30:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



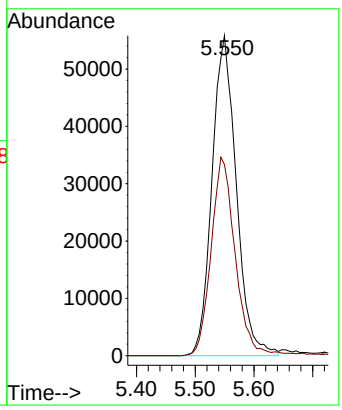


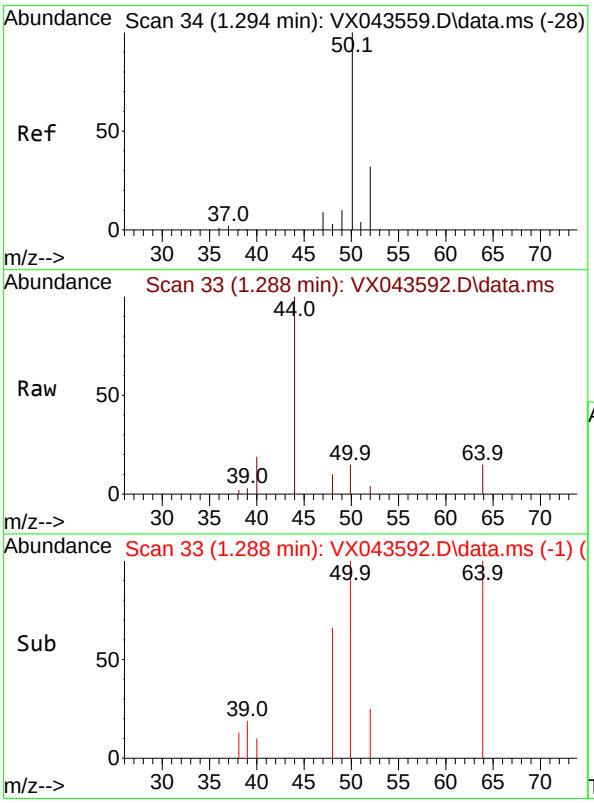
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Tgt Ion:168 Resp: 160173

Ion	Ratio	Lower	Upper
168	100		
99	59.8	52.6	78.8

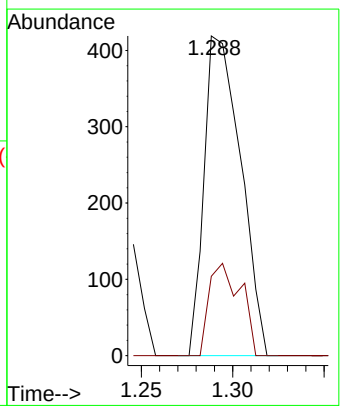


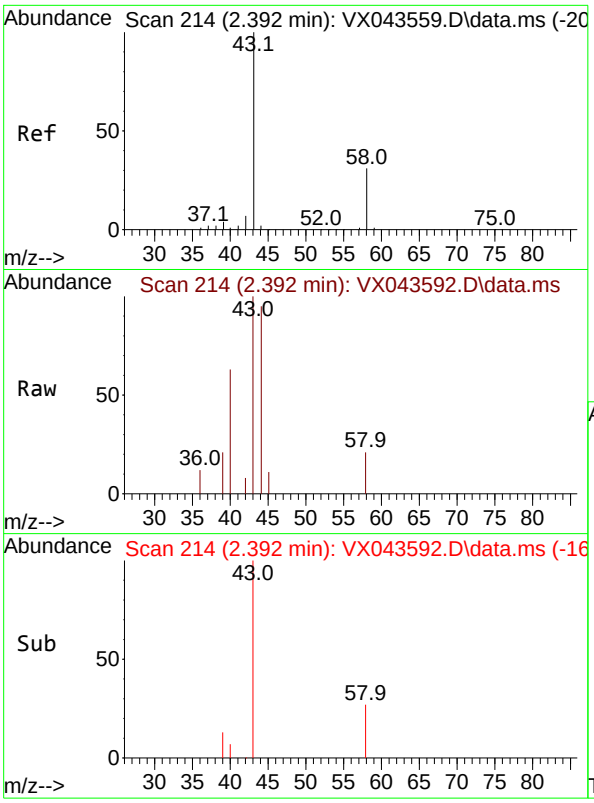


#3
Chloromethane
Concen: 0.266 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Tgt Ion: 50 Resp: 583

Ion	Ratio	Lower	Upper
50	100		
52	24.8	26.3	39.5#



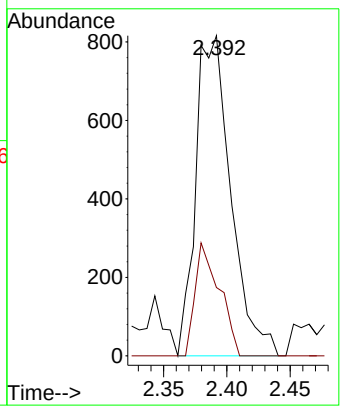


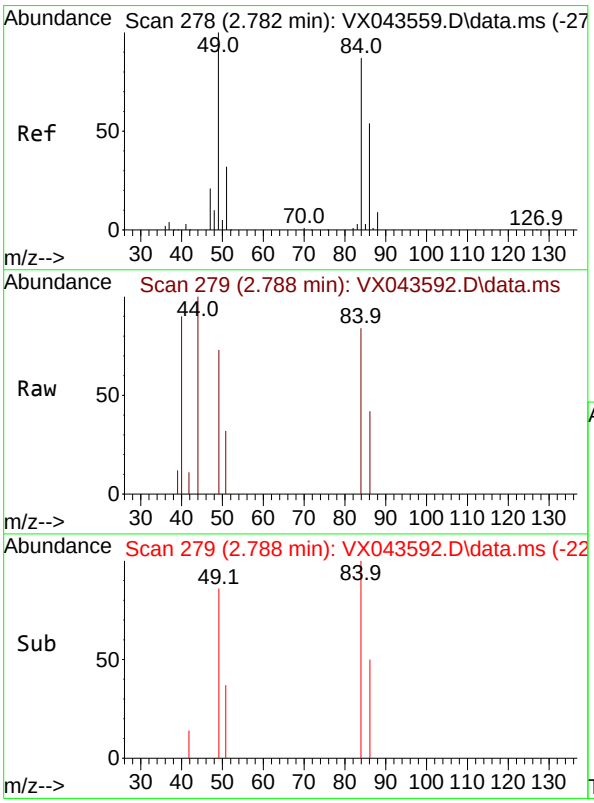
#16
Acetone
Concen: 1.552 ug/l
RT: 2.392 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Tgt Ion: 43 Resp: 1574

Ion	Ratio	Lower	Upper
43	100		
58	21.3	25.1	37.7#

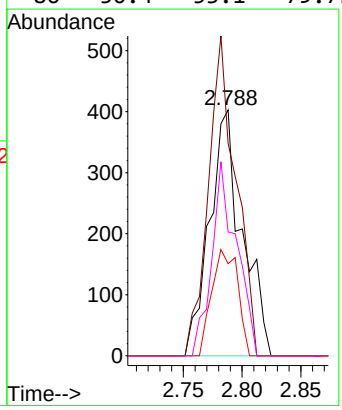


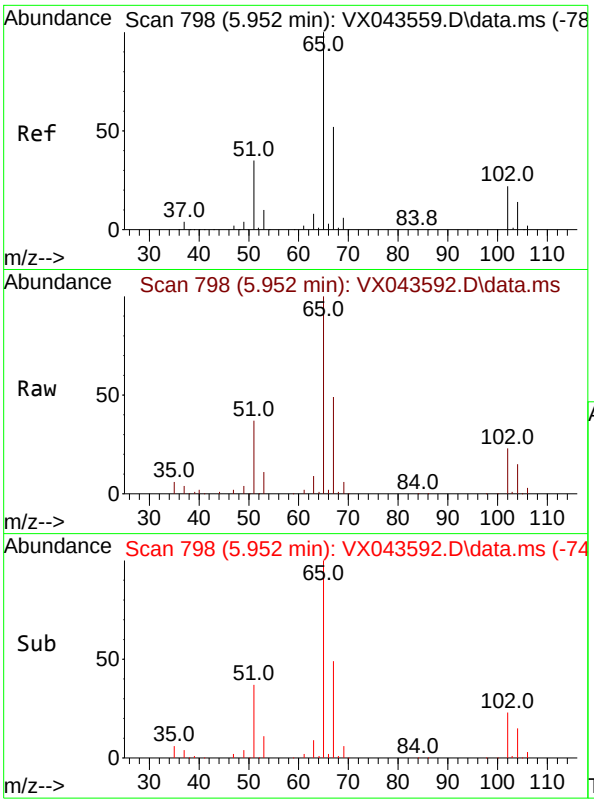


#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Tgt Ion: 84 Resp: 780

Ion	Ratio	Lower	Upper
84	100		
49	86.4	97.0	145.6#
51	37.5	29.8	44.8
86	50.4	53.1	79.7#



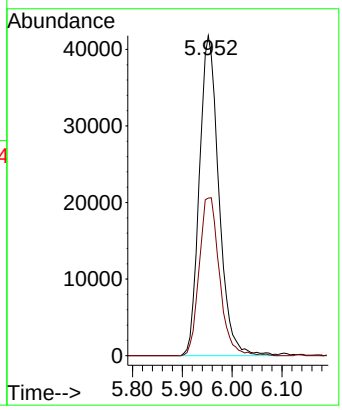


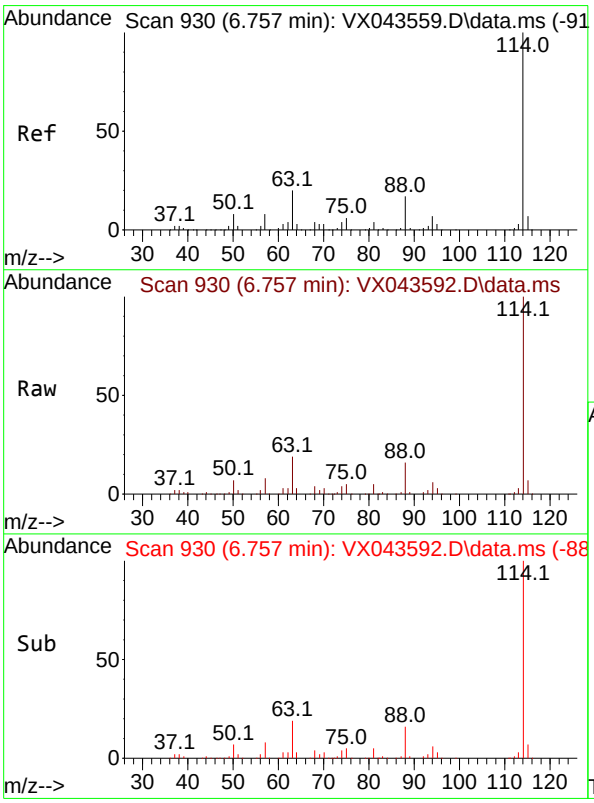
#33
1,2-Dichloroethane-d4
Concen: 44.422 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Tgt Ion: 65 Resp: 113453

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.4

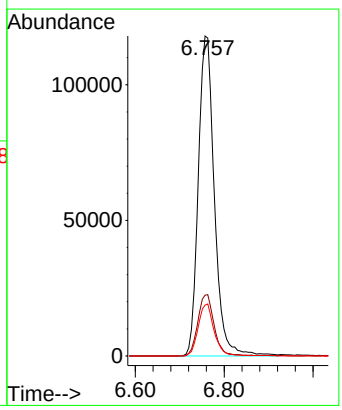


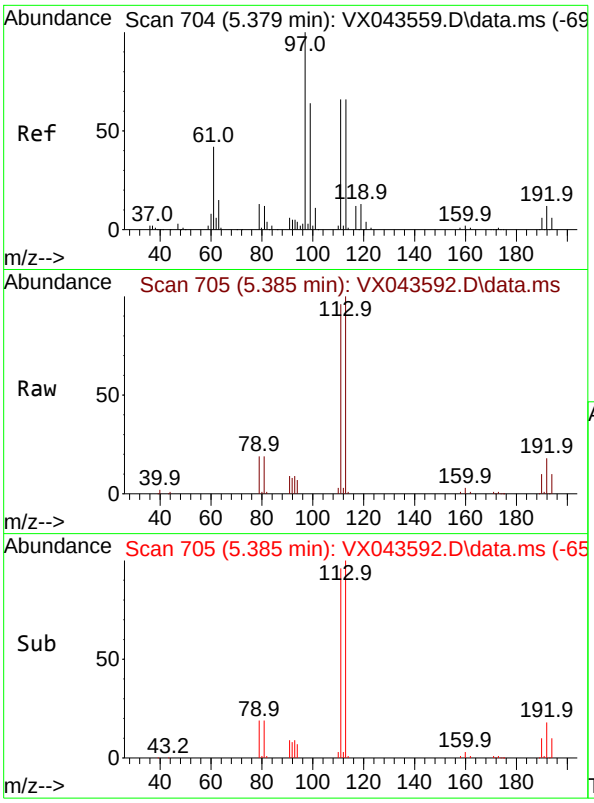


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Tgt Ion:114 Resp: 298248

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	41.2
88	15.9	0.0	34.0



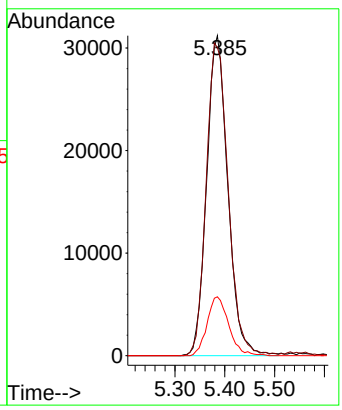


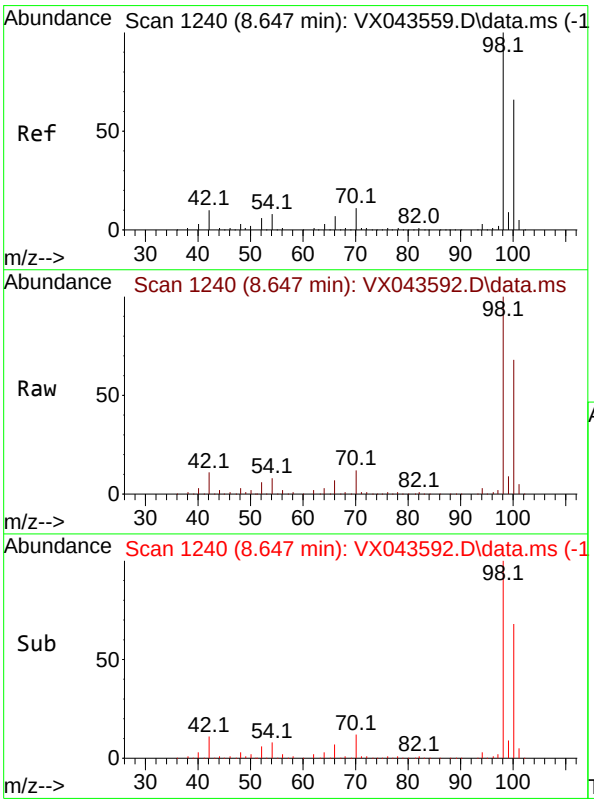
#35
Dibromofluoromethane
Concen: 45.622 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Tgt Ion:113 Resp: 92267

Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.4	122.0
192	18.8	14.1	21.1

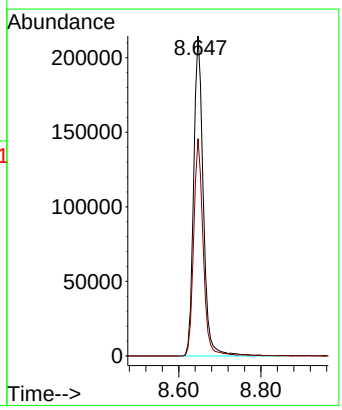


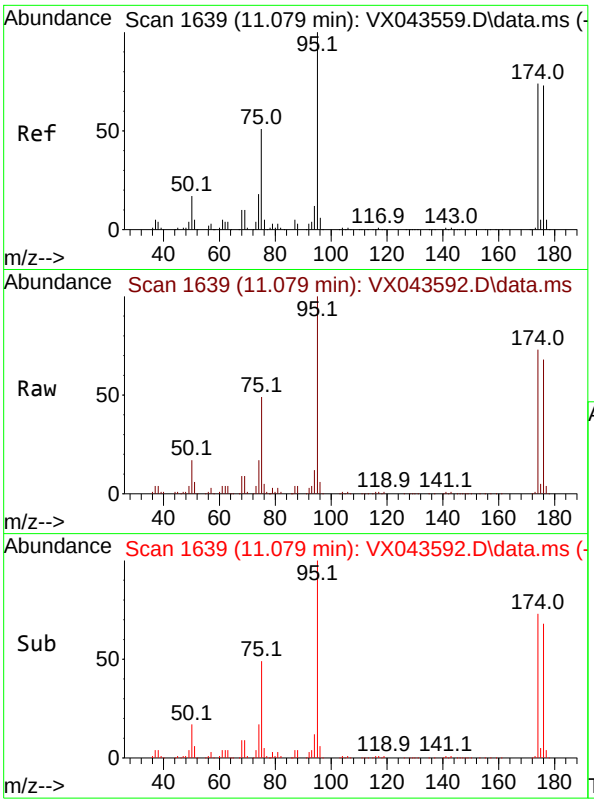


#50
Toluene-d8
Concen: 49.758 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Tgt Ion: 98 Resp: 348344

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.2



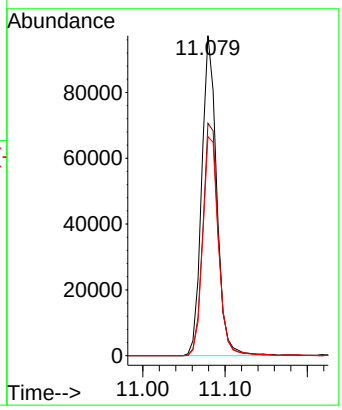


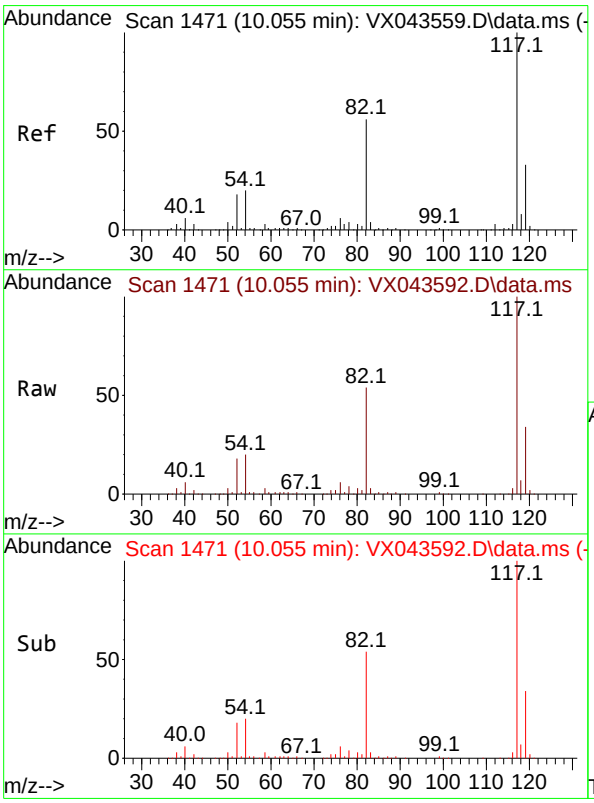
#62
4-Bromofluorobenzene
Concen: 47.500 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Tgt Ion: 95 Resp: 123224

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	146.6
176	71.6	0.0	139.6

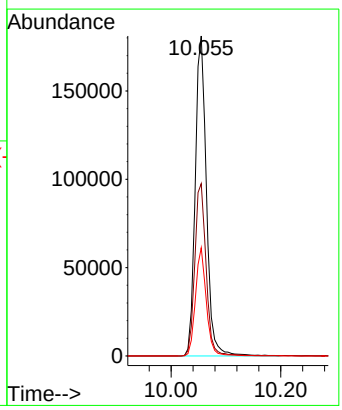


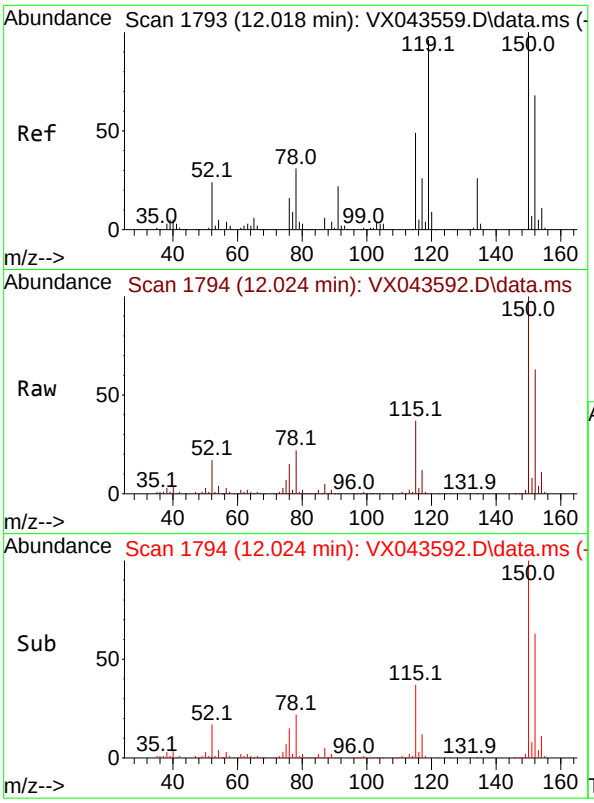


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Tgt Ion:117 Resp: 258594

Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.1	63.1
119	33.8	25.4	38.2



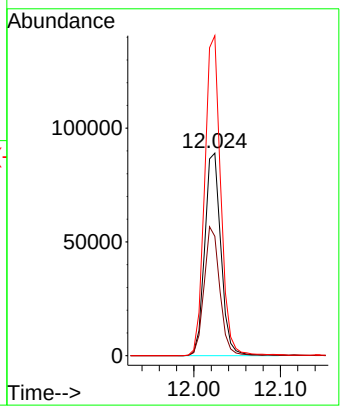


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043592.D
Acq: 29 Oct 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :
TRIP BLANK

Tgt Ion:152 Resp: 115532

Ion	Ratio	Lower	Upper
152	100		
115	61.7	42.9	128.7
150	157.1	0.0	343.6



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG No.: P4548

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
Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	9
Trichlorofluoromethane	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.1
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3
Acrylonitrile	0.302	0.335	0.331	0.348	0.360	0.340	0.336	5.8
Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.2
Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.6
Methylene Chloride	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.2
Vinyl Acetate	1.326	1.547	1.607	1.688	1.706	1.618	1.582	8.7
2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.5
Carbon Tetrachloride	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.8
cis-1,2-Dichloroethene	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.3
Bromochloromethane	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.7
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8
1,1,1-Trichloroethane	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.3
Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	4
1,2-Dichloropropane	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.2
Dibromomethane	0.230	0.264	0.258	0.260	0.262	0.252	0.254	4.9
Bromodichloromethane	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10
4-Methyl-2-Pentanone	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8
Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.7
t-1,3-Dichloropropene	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.6
cis-1,3-Dichloropropene	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12
2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.3
Dibromochloromethane	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.4
1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.8
Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.8
Chlorobenzene	1.098	1.110	1.083	1.075	1.081	1.007	1.076	3.3
1,1,1,2-Tetrachloroethane	0.301	0.345	0.350	0.372	0.381	0.359	0.351	8.1
Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.5

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG No.: P4548

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
m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.2
o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.2
Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.8
Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.9
1,1,2,2-Tetrachloroethane	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.9
1,2,3-Trichloropropane	0.928	1.210	1.166	1.071	1.043	0.996	1.069	9.8
1,4-Dichlorobenzene	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.1
1,2-Dichlorobenzene	1.638	1.735	1.698	1.726	1.675	1.586	1.676	3.4
1,2-Dibromo-3-Chloropropane	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.5
1,2-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
Methyl Iodide		0.726	0.762	0.782	0.789	0.726	0.757	4
trans-1,4-Dichloro-2-butene		0.290	0.356	0.418	0.447	0.432	0.389	16.7

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

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

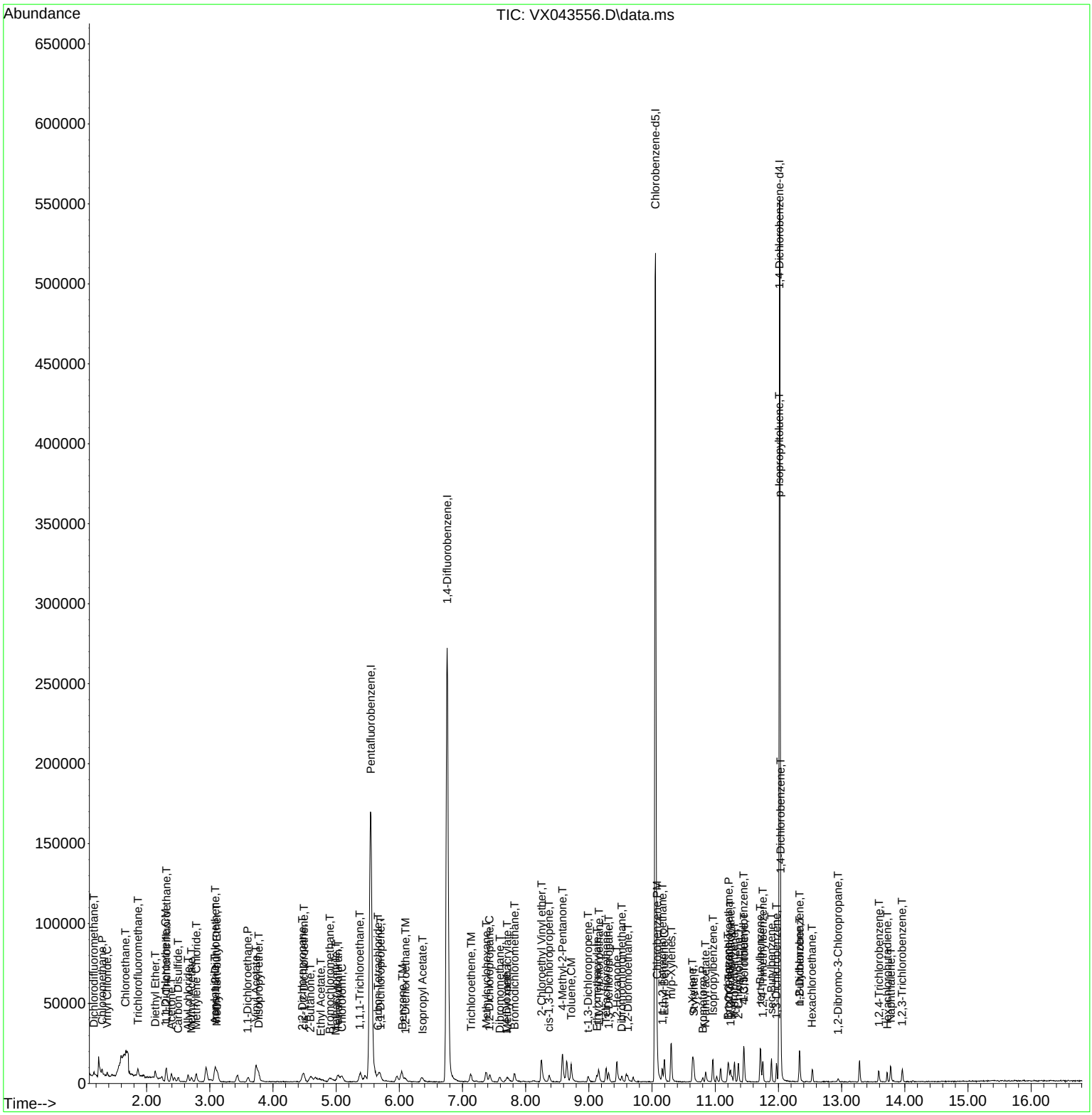
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

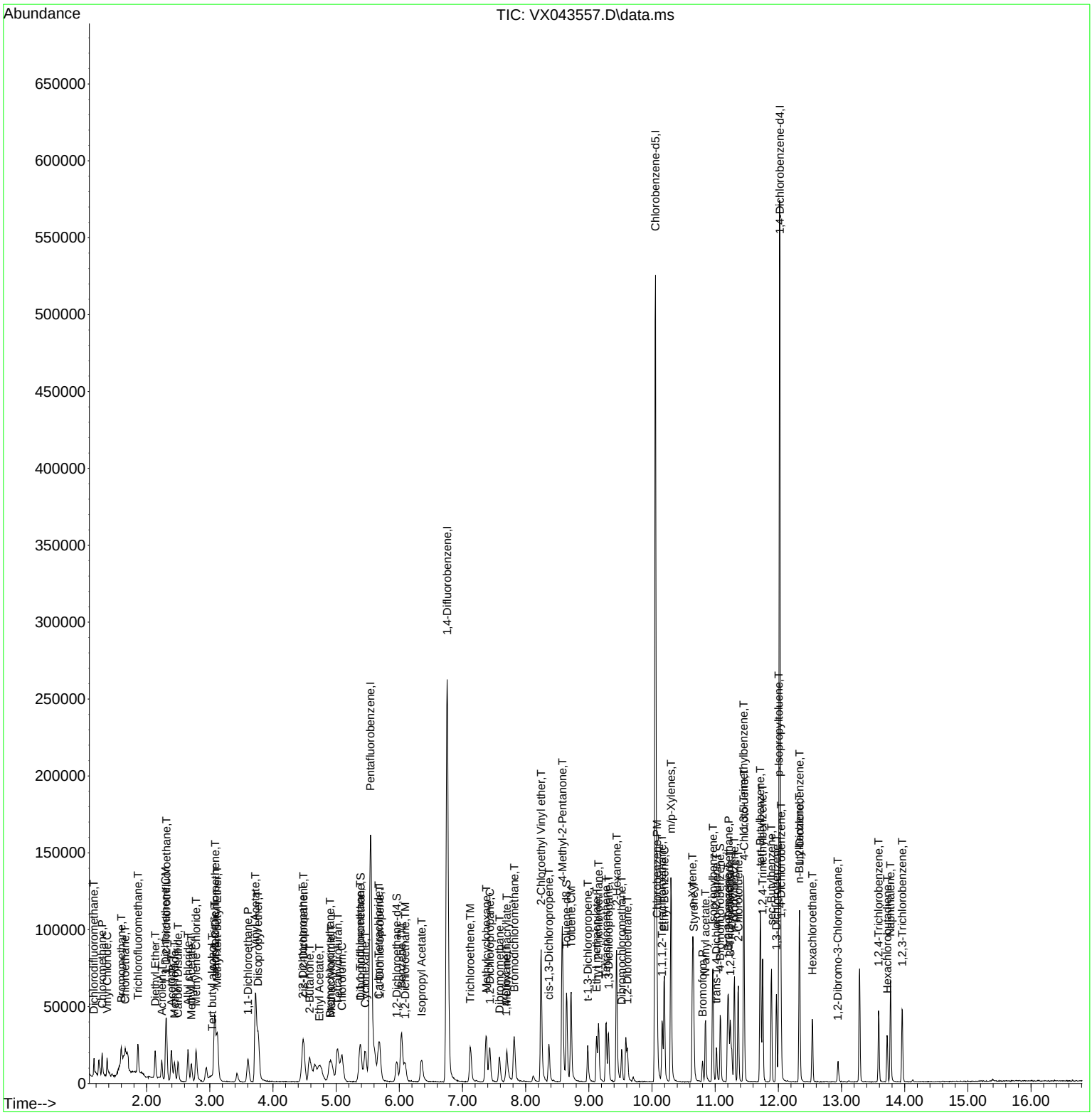
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

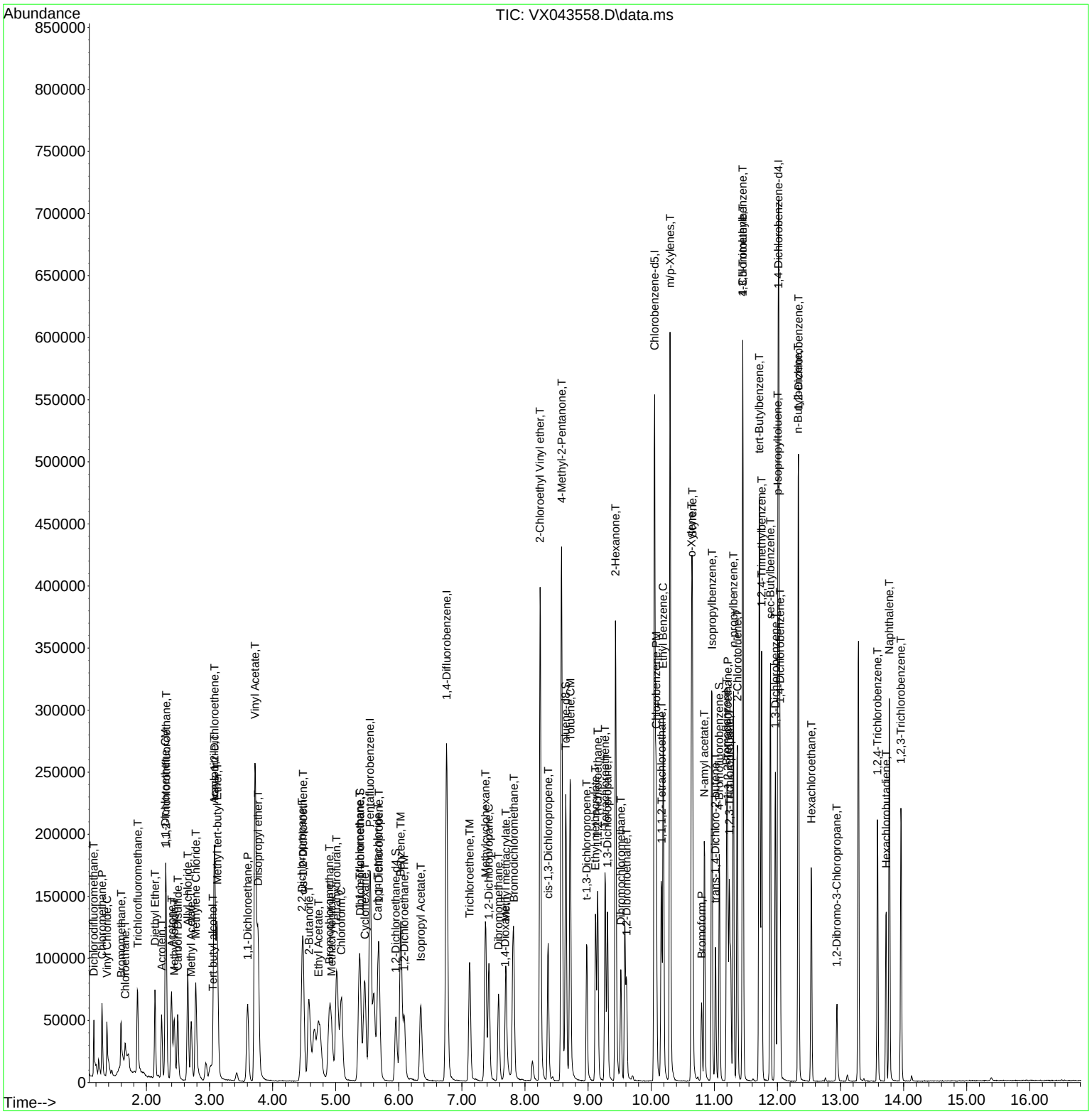
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

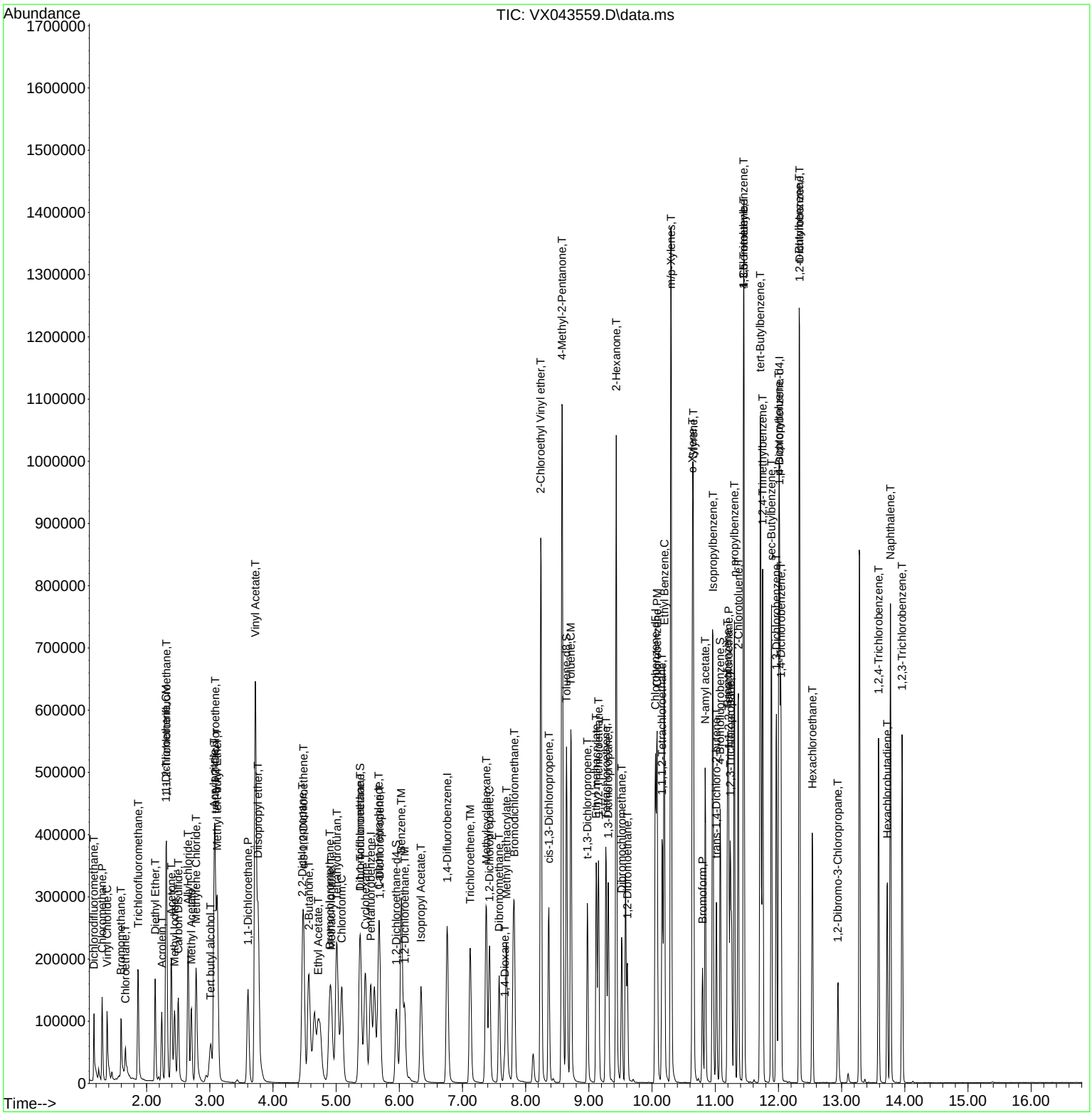
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

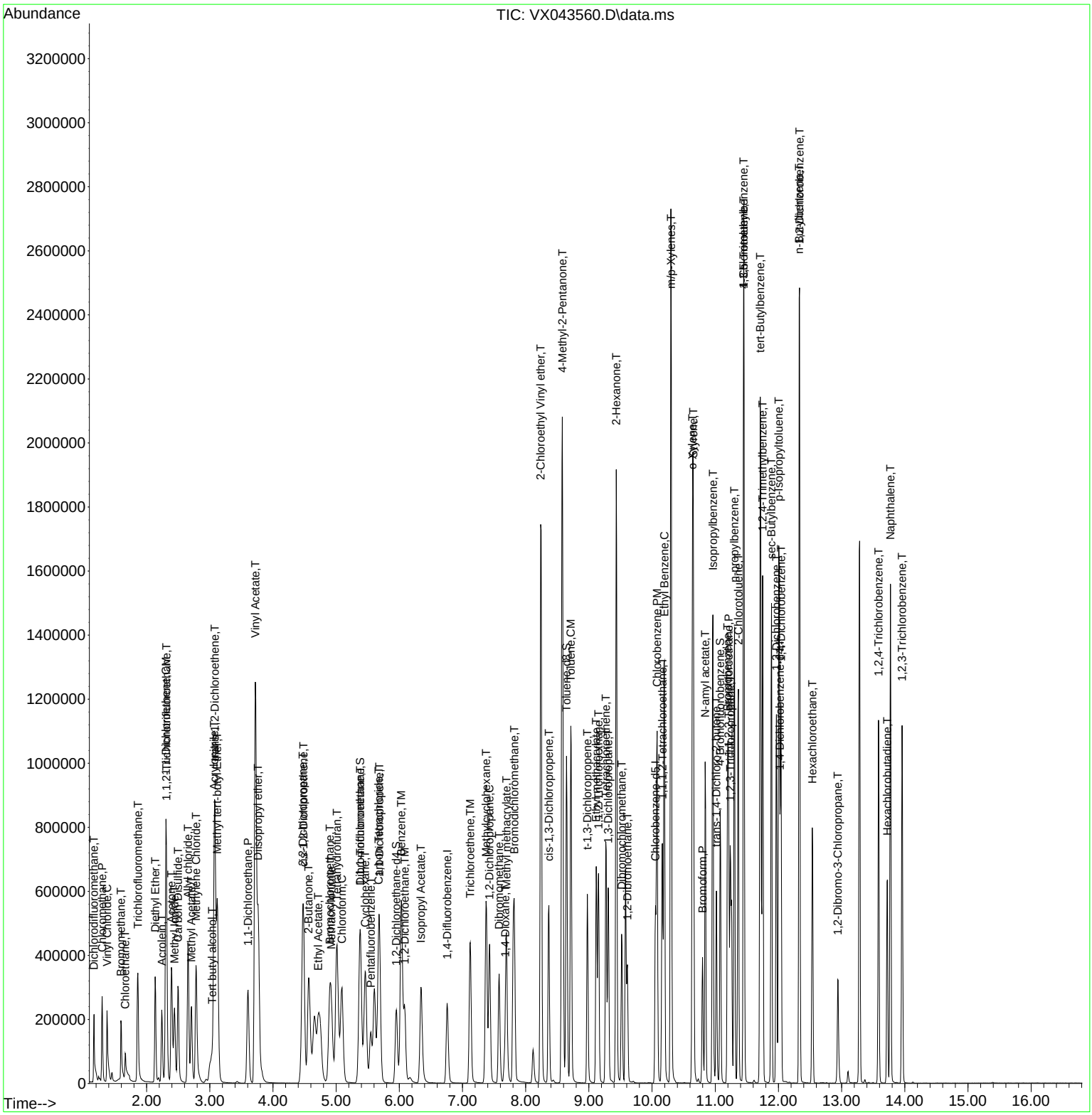
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

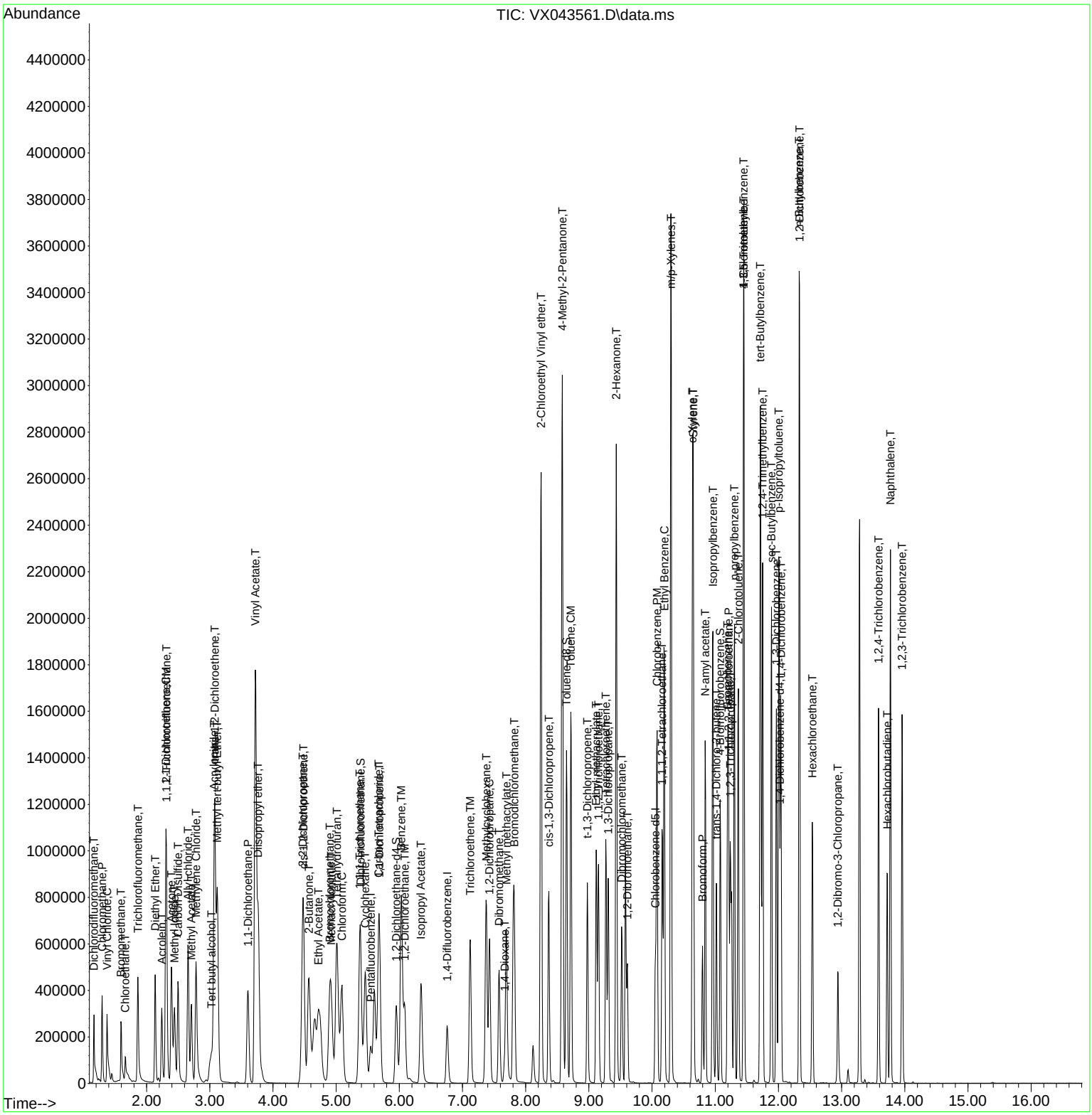
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

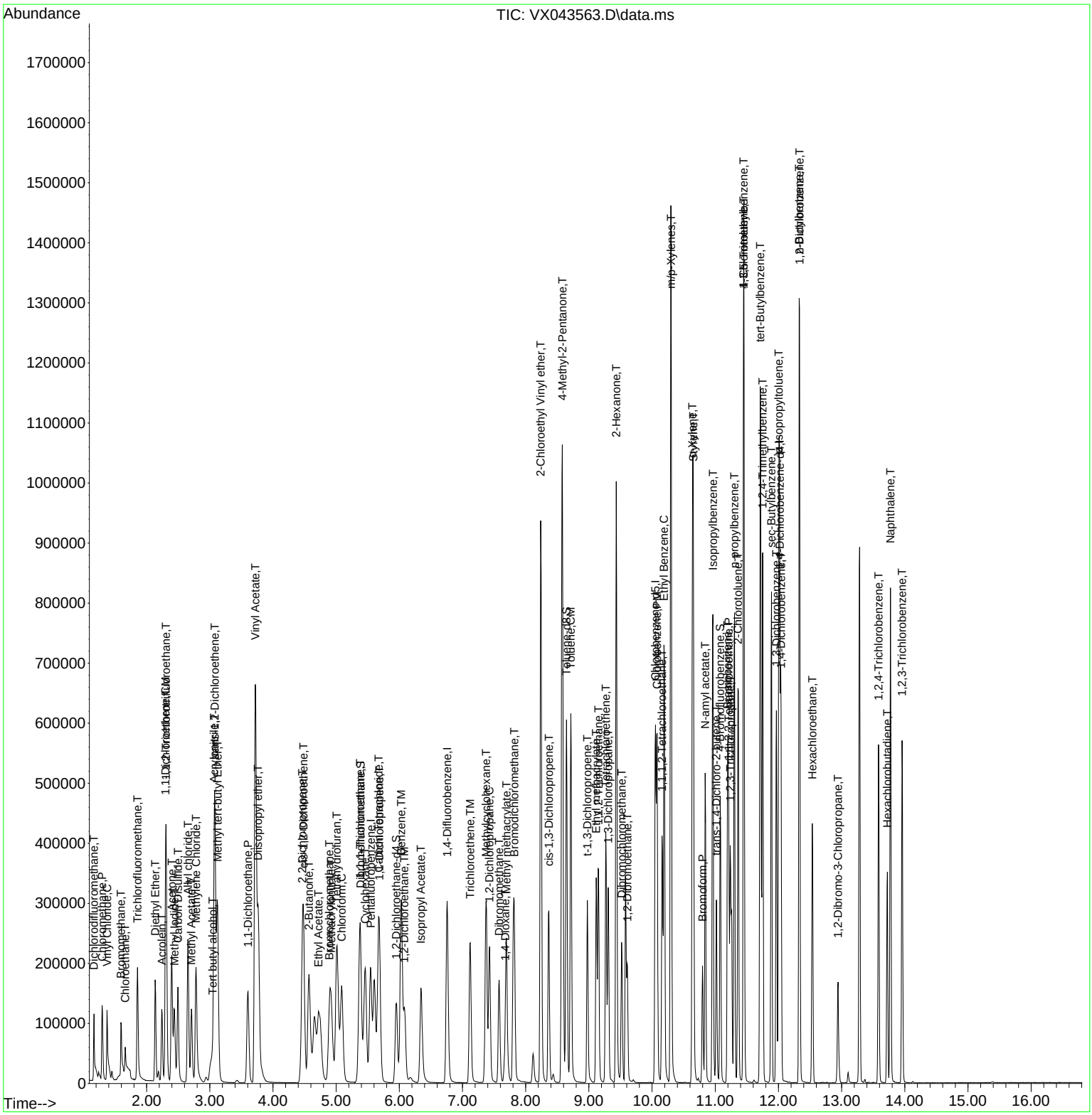
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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: **VX043583.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: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG No.: P4548

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.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	0.614		-3.31	20
Chloroethane	0.223	0.209		-6.28	20
Trichlorofluoromethane	0.775	0.759		-2.07	20
1,1-Dichloroethene	0.536	0.536		0	20
Acrylonitrile	0.336	0.284		-15.48	20
Acetone	0.317	0.297		-6.31	20
Carbon Disulfide	1.120	1.146		2.32	20
Methylene Chloride	0.682	0.601		-11.88	20
Vinyl Acetate	1.582	1.472		-6.95	20
2-Butanone	0.462	0.403		-12.77	20
Carbon Tetrachloride	0.444	0.466		4.95	20
cis-1,2-Dichloroethene	0.723	0.687		-4.98	20
Bromochloromethane	0.524	0.462		-11.83	20
Chloroform	1.154	1.065		-7.71	20
1,1,1-Trichloroethane	0.969	0.948		-2.17	20
Benzene	1.341	1.333		-0.6	20
1,2-Dichloropropane	0.330	0.327		-0.91	20
Dibromomethane	0.254	0.245		-3.54	20
Bromodichloromethane	0.446	0.461		3.36	20
4-Methyl-2-Pentanone	0.492	0.451		-8.33	20
Toluene	0.813	0.854		5.04	20
t-1,3-Dichloropropene	0.479	0.490		2.3	20
cis-1,3-Dichloropropene	0.510	0.537		5.29	20
2-Hexanone	0.374	0.352		-5.88	20
Dibromochloromethane	0.335	0.358		6.87	20
1,2-Dibromoethane	0.351	0.346		-1.42	20
Tetrachloroethene	0.314	0.333		6.05	20
Chlorobenzene	1.076	1.092	0.3	1.49	20
1,1,1,2-Tetrachloroethane	0.351	0.374		6.55	20
Ethyl Benzene	1.754	1.860		6.04	20
m/p-Xylenes	0.671	0.725		8.05	20
o-Xylene	0.674	0.708		5.05	20
Styrene	1.120	1.213		8.3	20
Bromoform	0.253	0.265	0.1	4.74	20
1,1,2,2-Tetrachloroethane	1.274	1.176	0.3	-7.69	20
1,2,3-Trichloropropane	1.069	0.968		-9.45	20
1,4-Dichlorobenzene	1.699	1.695		-0.23	20
1,2-Dichlorobenzene	1.676	1.698		1.31	20

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

Raw Data: **VX043583.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: P4548 SAS No.: P4548 SDG No.: P4548

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.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
1,2-Dibromo-3-Chloropropane	0.260	0.235		-9.61	20
1,2-Dichloroethane-d4	0.797	0.708		-11.17	20
Dibromofluoromethane	0.339	0.345		1.77	20
Toluene-d8	1.174	1.260		7.32	20
4-Bromofluorobenzene	0.435	0.471		8.28	20
Methyl Iodide	0.757	0.732		-3.3	20
trans-1,4-Dichloro-2-butene	0.389	0.386		-0.77	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\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	185040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	317661	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	136145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	130985	44.394	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.780%			
35) Dibromofluoromethane	5.373	113	109730	50.941	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.880%			
50) Toluene-d8	8.647	98	400238	53.676	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.360%			
62) 4-Bromofluorobenzene	11.079	95	149677	54.171	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	96192	48.609	ug/l	98
3) Chloromethane	1.294	50	110441	43.659	ug/l	99
4) Vinyl Chloride	1.374	62	113522	48.354	ug/l	98
5) Bromomethane	1.593	94	43728	45.689	ug/l	98
6) Chloroethane	1.666	64	38745	46.843	ug/l	96
7) Trichlorofluoromethane	1.861	101	140504	48.990	ug/l	100
8) Diethyl Ether	2.136	74	59968	45.254	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	100354	51.739	ug/l	97
10) Methyl Iodide	2.440	142	135379	48.310	ug/l	98
11) Tert butyl alcohol	3.014	59	122889	223.146	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	99213	50.054	ug/l	95
13) Acrolein	2.239	56	93394	216.855	ug/l	97
14) Allyl chloride	2.654	41	163297	47.632	ug/l	96
15) Acrylonitrile	3.062	53	262619	211.215	ug/l	100
16) Acetone	2.386	43	274914	234.636	ug/l	97
17) Carbon Disulfide	2.495	76	212014	51.153	ug/l	99
18) Methyl Acetate	2.703	43	136121	39.751	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	335598	44.520	ug/l	97
20) Methylene Chloride	2.782	84	111138	44.012	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	102634	49.012	ug/l	98
22) Diisopropyl ether	3.757	45	321130	45.317	ug/l	98
23) Vinyl Acetate	3.715	43	1362160	232.674	ug/l	99
24) 1,1-Dichloroethane	3.599	63	190272	46.716	ug/l	99
25) 2-Butanone	4.556	43	373244	218.384	ug/l	99
26) 2,2-Dichloropropane	4.464	77	170610	51.174	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	127185	47.546	ug/l	100
28) Bromochloromethane	4.891	49	85552	44.155	ug/l	99
29) Tetrahydrofuran	5.001	42	226140	203.602	ug/l	98
30) Chloroform	5.086	83	197102	46.165	ug/l	99
31) Cyclohexane	5.458	56	160445	51.504	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	175486	48.957	ug/l	99
36) 1,1-Dichloropropene	5.684	75	132757	51.976	ug/l	98
37) Ethyl Acetate	4.708	43	138087	44.531	ug/l	98
38) Carbon Tetrachloride	5.665	117	148021	52.449	ug/l	98
39) Methylcyclohexane	7.372	83	182236	57.467	ug/l	97
40) Benzene	6.025	78	423307	49.678	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	78897	48.472	ug/l		98
42) 1,2-Dichloroethane	6.080	62	143431	46.823	ug/l		99
43) Isopropyl Acetate	6.336	43	234002	45.631	ug/l		98
44) Trichloroethene	7.116	130	111507	52.676	ug/l		91
45) 1,2-Dichloropropane	7.427	63	103879	49.511	ug/l		100
46) Dibromomethane	7.574	93	77712	48.105	ug/l		98
47) Bromodichloromethane	7.818	83	146531	51.705	ug/l		97
48) Methyl methacrylate	7.689	41	113890	46.843	ug/l		97
49) 1,4-Dioxane	7.665	88	47931m	959.544	ug/l		
51) 4-Methyl-2-Pentanone	8.573	43	716488	229.232	ug/l		99
52) Toluene	8.714	92	271357	52.511	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	155688	51.148	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	170511	52.575	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	104415	48.542	ug/l		99
56) Ethyl methacrylate	9.116	69	171964	49.201	ug/l		96
57) 1,3-Dichloropropane	9.305	76	176717	49.396	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	369838	218.483	ug/l		97
59) 2-Hexanone	9.433	43	559686	235.767	ug/l		98
60) Dibromochloromethane	9.518	129	113810	53.432	ug/l		100
61) 1,2-Dibromoethane	9.604	107	109821	49.183	ug/l		97
64) Tetrachloroethene	9.268	164	92204	52.901	ug/l		98
65) Chlorobenzene	10.079	112	302575	50.750	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	103710	53.255	ug/l		99
67) Ethyl Benzene	10.189	91	515530	53.028	ug/l		99
68) m/p-Xylenes	10.299	106	401855	108.089	ug/l		97
69) o-Xylene	10.640	106	196198	52.523	ug/l		99
70) Styrene	10.652	104	336072	54.130	ug/l		99
71) Bromoform	10.799	173	73381	52.407	ug/l	#	98
73) Isopropylbenzene	10.963	105	507198	52.592	ug/l		99
74) N-amyl acetate	10.841	43	216499	46.083	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	160157	46.182	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	131796m	45.276	ug/l		
77) Bromobenzene	11.195	156	126219	50.686	ug/l		98
78) n-propylbenzene	11.305	91	571565	54.356	ug/l		100
79) 2-Chlorotoluene	11.360	91	350419	50.257	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	427235	53.132	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	52521	49.635	ug/l		94
82) 4-Chlorotoluene	11.451	91	399821	51.088	ug/l		97
83) tert-Butylbenzene	11.713	119	436382	53.361	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	437441	53.380	ug/l		99
85) sec-Butylbenzene	11.890	105	528903	55.177	ug/l		99
86) p-Isopropyltoluene	12.006	119	451954	55.469	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	232425	52.073	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	230728	49.888	ug/l		99
89) n-Butylbenzene	12.329	91	387771	58.406	ug/l		99
90) Hexachloroethane	12.536	117	75311	56.903	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	231234	50.664	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	31951	45.194	ug/l		91
93) 1,2,4-Trichlorobenzene	13.585	180	148966	53.771	ug/l		97
94) Hexachlorobutadiene	13.725	225	58808	57.574	ug/l		99
95) Naphthalene	13.774	128	532111	50.193	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	152724	52.286	ug/l		100

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

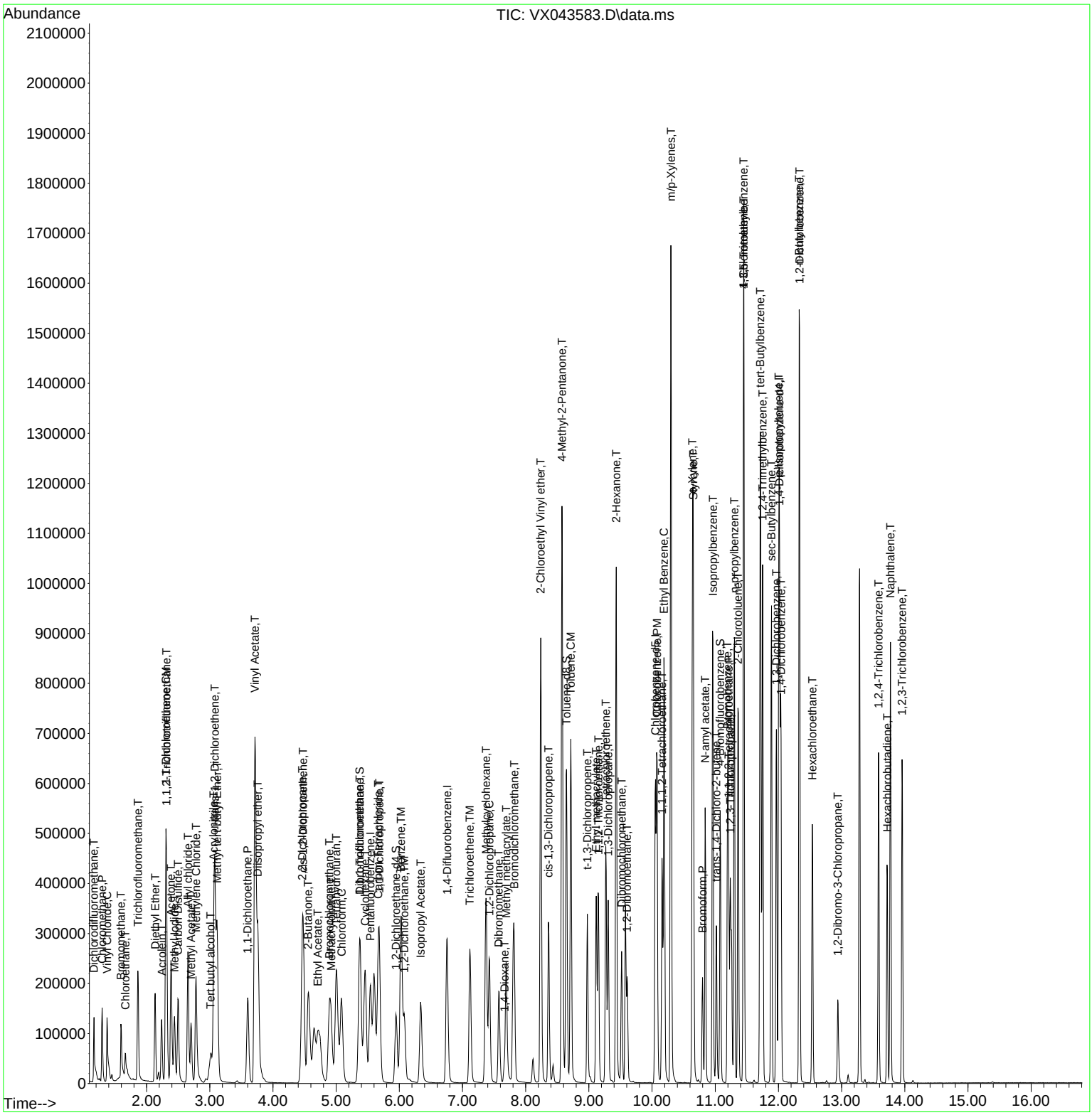
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:24:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 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	124	0.00
2	T	Dichlorodifluoromethane	0.535	0.520	2.8	128	0.00
3	P	Chloromethane	0.684	0.597	12.7	114	0.00
4	C	Vinyl Chloride	0.634	0.613	3.3#	120	0.00
5	T	Bromomethane	0.259	0.236	8.9	112	0.00
6	T	Chloroethane	0.223	0.209	6.3	116	0.00
7	T	Trichlorofluoromethane	0.775	0.759	2.1	121	0.00
8	T	Diethyl Ether	0.358	0.324	9.5	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.542	-3.4	128	0.00
10	T	Methyl Iodide	0.757	0.732	3.3	116	0.00
11	T	Tert butyl alcohol	0.149	0.133	10.7	106	-0.04
12	CM	1,1-Dichloroethene	0.536	0.536	0.0	124	0.00
13	T	Acrolein	0.116	0.101	12.9	115	0.00
14	T	Allyl chloride	0.926	0.882	4.8	115	0.00
15	T	Acrylonitrile	0.336	0.284	15.5	101	-0.01
16	T	Acetone	0.317	0.297	6.3	118	-0.01
17	T	Carbon Disulfide	1.120	1.146	-2.3	126	0.00
18	T	Methyl Acetate	0.925	0.736	20.4	99	0.00
19	T	Methyl tert-butyl Ether	2.037	1.814	10.9	108	0.00
20	T	Methylene Chloride	0.682	0.601	11.9	113	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.555	1.9	123	0.00
22	T	Diisopropyl ether	1.915	1.735	9.4	111	0.00
23	T	Vinyl Acetate	1.582	1.472	7.0	108	0.00
24	P	1,1-Dichloroethane	1.101	1.028	6.6	115	0.00
25	T	2-Butanone	0.462	0.403	12.8	104	-0.01
26	T	2,2-Dichloropropane	0.901	0.922	-2.3	129	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.687	5.0	115	0.00
28	T	Bromochloromethane	0.524	0.462	11.8	113	0.00
29	T	Tetrahydrofuran	0.300	0.244	18.7	98	-0.01
30	C	Chloroform	1.154	1.065	7.7#	114	0.00
31	T	Cyclohexane	0.842	0.867	-3.0	128	0.00
32	T	1,1,1-Trichloroethane	0.969	0.948	2.2	119	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.708	11.2	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	117	0.00
35	S	Dibromofluoromethane	0.339	0.345	-1.8	120	-0.01
36	T	1,1-Dichloropropene	0.402	0.418	-4.0	126	0.00
37	T	Ethyl Acetate	0.488	0.435	10.9	101	-0.01
38	T	Carbon Tetrachloride	0.444	0.466	-5.0	123	0.00
39	T	Methylcyclohexane	0.499	0.574	-15.0	132	0.00
40	TM	Benzene	1.341	1.333	0.6	115	0.00
41	T	Methacrylonitrile	0.256	0.248	3.1	108	0.00
42	TM	1,2-Dichloroethane	0.482	0.452	6.2	107	0.00
43	T	Isopropyl Acetate	0.807	0.737	8.7	103	0.00
44	TM	Trichloroethene	0.333	0.351	-5.4	122	0.00
45	C	1,2-Dichloropropane	0.330	0.327	0.9#	114	0.00
46	T	Dibromomethane	0.254	0.245	3.5	110	0.00
47	T	Bromodichloromethane	0.446	0.461	-3.4	114	0.00
48	T	Methyl methacrylate	0.383	0.359	6.3	105	0.00

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 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	108	0.00
50	S	Toluene-d8	1.174	1.260	-7.3	126	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.451	8.3	101	0.00
52	CM	Toluene	0.813	0.854	-5.0#	120	0.00
53	T	t-1,3-Dichloropropene	0.479	0.490	-2.3	113	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.537	-5.3	116	0.00
55	T	1,1,2-Trichloroethane	0.339	0.329	2.9	109	0.00
56	T	Ethyl methacrylate	0.550	0.541	1.6	108	0.00
57	T	1,3-Dichloropropane	0.563	0.556	1.2	111	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.233	12.4	102	0.00
59	T	2-Hexanone	0.374	0.352	5.9	103	0.00
60	T	Dibromochloromethane	0.335	0.358	-6.9	114	0.00
61	T	1,2-Dibromoethane	0.351	0.346	1.4	110	0.00
62	S	4-Bromofluorobenzene	0.435	0.471	-8.3	124	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
64	T	Tetrachloroethene	0.314	0.333	-6.1	125	0.00
65	PM	Chlorobenzene	1.076	1.092	-1.5	118	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.374	-6.6	117	0.00
67	C	Ethyl Benzene	1.754	1.860	-6.0#	122	0.00
68	T	m/p-Xylenes	0.671	0.725	-8.0	122	0.00
69	T	o-Xylene	0.674	0.708	-5.0	119	0.00
70	T	Styrene	1.120	1.213	-8.3	119	0.00
71	P	Bromoform	0.253	0.265	-4.7	112	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
73	T	Isopropylbenzene	3.542	3.725	-5.2	124	0.00
74	T	N-amyl acetate	1.725	1.590	7.8	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.176	7.7	108	0.00
76	T	1,2,3-Trichloropropane	1.069	0.968	9.4	107	0.00
77	T	Bromobenzene	0.915	0.927	-1.3	119	0.00
78	T	n-propylbenzene	3.862	4.198	-8.7	125	0.00
79	T	2-Chlorotoluene	2.561	2.574	-0.5	121	0.00
80	T	1,3,5-Trimethylbenzene	2.953	3.138	-6.3	123	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.386	0.8	109	0.00
82	T	4-Chlorotoluene	2.874	2.937	-2.2	121	0.00
83	T	tert-Butylbenzene	3.003	3.205	-6.7	125	0.00
84	T	1,2,4-Trimethylbenzene	3.010	3.213	-6.7	123	0.00
85	T	sec-Butylbenzene	3.520	3.885	-10.4	127	0.00
86	T	p-Isopropyltoluene	2.992	3.320	-11.0	126	0.00
87	T	1,3-Dichlorobenzene	1.639	1.707	-4.1	123	0.00
88	T	1,4-Dichlorobenzene	1.699	1.695	0.2	122	0.00
89	T	n-Butylbenzene	2.438	2.848	-16.8	129	0.00
90	T	Hexachloroethane	0.486	0.553	-13.8	126	0.00
91	T	1,2-Dichlorobenzene	1.676	1.698	-1.3	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.235	9.6	99	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.094	-7.6	120	0.00
94	T	Hexachlorobutadiene	0.375	0.432	-15.2	138	0.00
95	T	Naphthalene	3.893	3.908	-0.4	112	0.00

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 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	1.122	-4.6	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 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	124	0.00
2	T	Dichlorodifluoromethane	50.000	48.609	2.8	128	0.00
3	P	Chloromethane	50.000	43.659	12.7	114	0.00
4	C	Vinyl Chloride	50.000	48.354	3.3#	120	0.00
5	T	Bromomethane	50.000	45.689	8.6	112	0.00
6	T	Chloroethane	50.000	46.843	6.3	116	0.00
7	T	Trichlorofluoromethane	50.000	48.990	2.0	121	0.00
8	T	Diethyl Ether	50.000	45.254	9.5	113	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.739	-3.5	128	0.00
10	T	Methyl Iodide	50.000	48.310	3.4	116	0.00
11	T	Tert butyl alcohol	250.000	223.146	10.7	106	-0.04
12	CM	1,1-Dichloroethene	50.000	50.054	-0.1#	124	0.00
13	T	Acrolein	250.000	216.855	13.3	115	0.00
14	T	Allyl chloride	50.000	47.632	4.7	115	0.00
15	T	Acrylonitrile	250.000	211.215	15.5	101	-0.01
16	T	Acetone	250.000	234.636	6.1	118	-0.01
17	T	Carbon Disulfide	50.000	51.153	-2.3	126	0.00
18	T	Methyl Acetate	50.000	39.751	20.5	99	0.00
19	T	Methyl tert-butyl Ether	50.000	44.520	11.0	108	0.00
20	T	Methylene Chloride	50.000	44.012	12.0	113	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.012	2.0	123	0.00
22	T	Diisopropyl ether	50.000	45.317	9.4	111	0.00
23	T	Vinyl Acetate	250.000	232.674	6.9	108	0.00
24	P	1,1-Dichloroethane	50.000	46.716	6.6	115	0.00
25	T	2-Butanone	250.000	218.384	12.6	104	-0.01
26	T	2,2-Dichloropropane	50.000	51.174	-2.3	129	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.546	4.9	115	0.00
28	T	Bromochloromethane	50.000	44.155	11.7	113	0.00
29	T	Tetrahydrofuran	250.000	203.602	18.6	98	-0.01
30	C	Chloroform	50.000	46.165	7.7#	114	0.00
31	T	Cyclohexane	50.000	51.504	-3.0	128	0.00
32	T	1,1,1-Trichloroethane	50.000	48.957	2.1	119	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.394	11.2	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	117	0.00
35	S	Dibromofluoromethane	50.000	50.941	-1.9	120	-0.01
36	T	1,1-Dichloropropene	50.000	51.976	-4.0	126	0.00
37	T	Ethyl Acetate	50.000	44.531	10.9	101	-0.01
38	T	Carbon Tetrachloride	50.000	52.449	-4.9	123	0.00
39	T	Methylcyclohexane	50.000	57.467	-14.9	132	0.00
40	TM	Benzene	50.000	49.678	0.6	115	0.00
41	T	Methacrylonitrile	50.000	48.472	3.1	108	0.00
42	TM	1,2-Dichloroethane	50.000	46.823	6.4	107	0.00
43	T	Isopropyl Acetate	50.000	45.631	8.7	103	0.00
44	TM	Trichloroethene	50.000	52.676	-5.4	122	0.00
45	C	1,2-Dichloropropane	50.000	49.511	1.0#	114	0.00
46	T	Dibromomethane	50.000	48.105	3.8	110	0.00
47	T	Bromodichloromethane	50.000	51.705	-3.4	114	0.00
48	T	Methyl methacrylate	50.000	46.843	6.3	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 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	959.544	4.0	108	0.00
50	S	Toluene-d8	50.000	53.676	-7.4	126	0.00
51	T	4-Methyl-2-Pentanone	250.000	229.232	8.3	101	0.00
52	CM	Toluene	50.000	52.511	-5.0#	120	0.00
53	T	t-1,3-Dichloropropene	50.000	51.148	-2.3	113	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.575	-5.2	116	0.00
55	T	1,1,2-Trichloroethane	50.000	48.542	2.9	109	0.00
56	T	Ethyl methacrylate	50.000	49.201	1.6	108	0.00
57	T	1,3-Dichloropropane	50.000	49.396	1.2	111	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	218.483	12.6	102	0.00
59	T	2-Hexanone	250.000	235.767	5.7	103	0.00
60	T	Dibromochloromethane	50.000	53.432	-6.9	114	0.00
61	T	1,2-Dibromoethane	50.000	49.183	1.6	110	0.00
62	S	4-Bromofluorobenzene	50.000	54.171	-8.3	124	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	116	0.00
64	T	Tetrachloroethene	50.000	52.901	-5.8	125	0.00
65	PM	Chlorobenzene	50.000	50.750	-1.5	118	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.255	-6.5	117	0.00
67	C	Ethyl Benzene	50.000	53.028	-6.1#	122	0.00
68	T	m/p-Xylenes	100.000	108.089	-8.1	122	0.00
69	T	o-Xylene	50.000	52.523	-5.0	119	0.00
70	T	Styrene	50.000	54.130	-8.3	119	0.00
71	P	Bromoform	50.000	52.407	-4.8	112	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	119	0.00
73	T	Isopropylbenzene	50.000	52.592	-5.2	124	0.00
74	T	N-amyl acetate	50.000	46.083	7.8	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.182	7.6	108	0.00
76	T	1,2,3-Trichloropropane	50.000	45.276	9.4	107	0.00
77	T	Bromobenzene	50.000	50.686	-1.4	119	0.00
78	T	n-propylbenzene	50.000	54.356	-8.7	125	0.00
79	T	2-Chlorotoluene	50.000	50.257	-0.5	121	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.132	-6.3	123	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.635	0.7	109	0.00
82	T	4-Chlorotoluene	50.000	51.088	-2.2	121	0.00
83	T	tert-Butylbenzene	50.000	53.361	-6.7	125	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.380	-6.8	123	0.00
85	T	sec-Butylbenzene	50.000	55.177	-10.4	127	0.00
86	T	p-Isopropyltoluene	50.000	55.469	-10.9	126	0.00
87	T	1,3-Dichlorobenzene	50.000	52.073	-4.1	123	0.00
88	T	1,4-Dichlorobenzene	50.000	49.888	0.2	122	0.00
89	T	n-Butylbenzene	50.000	58.406	-16.8	129	0.00
90	T	Hexachloroethane	50.000	56.903	-13.8	126	0.00
91	T	1,2-Dichlorobenzene	50.000	50.664	-1.3	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.194	9.6	99	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.771	-7.5	120	0.00
94	T	Hexachlorobutadiene	50.000	57.574	-15.1	138	0.00
95	T	Naphthalene	50.000	50.193	-0.4	112	0.00

Sample Results: **VX043583.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043583.D
Acq On : 29 Oct 2024 09:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 30 01:24:45 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	52.286	-4.6	121	0.00

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

QC SAMPLE DATA

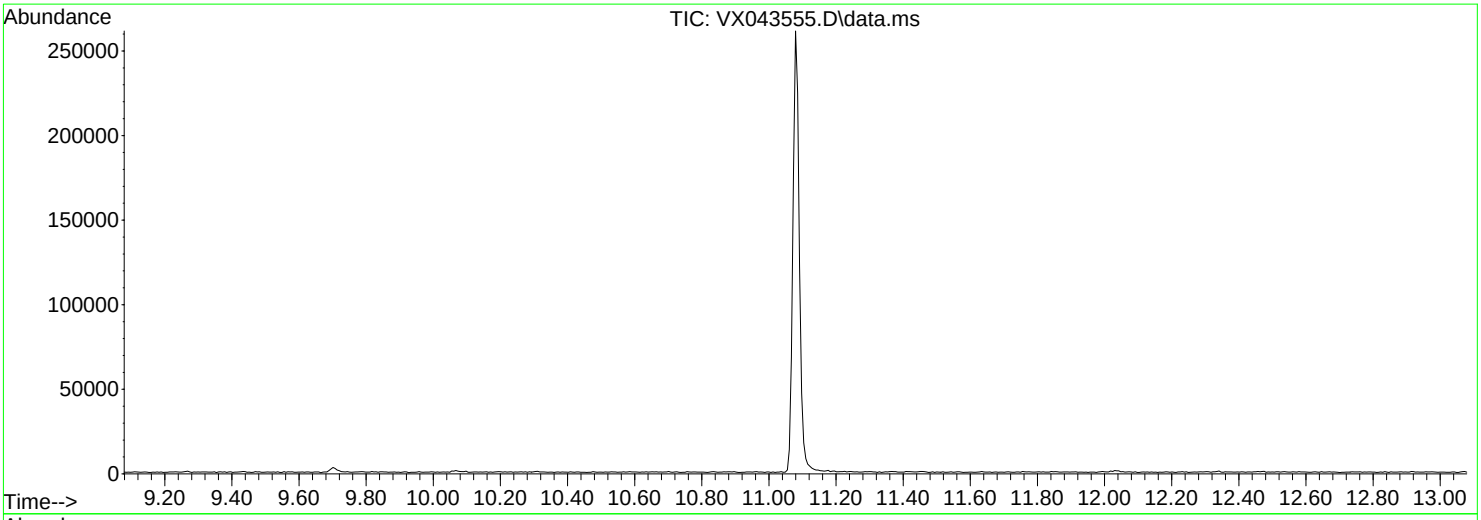
Sample Results: **VX043555.D**

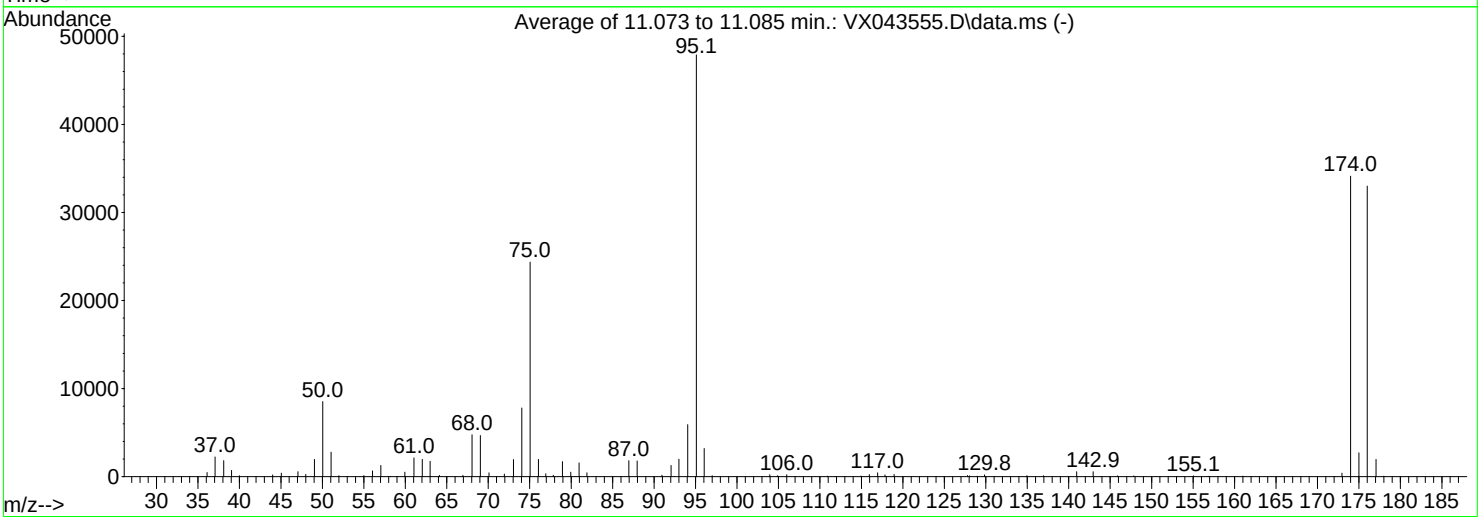
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043555.D
Acq On : 28 Oct 2024 10:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

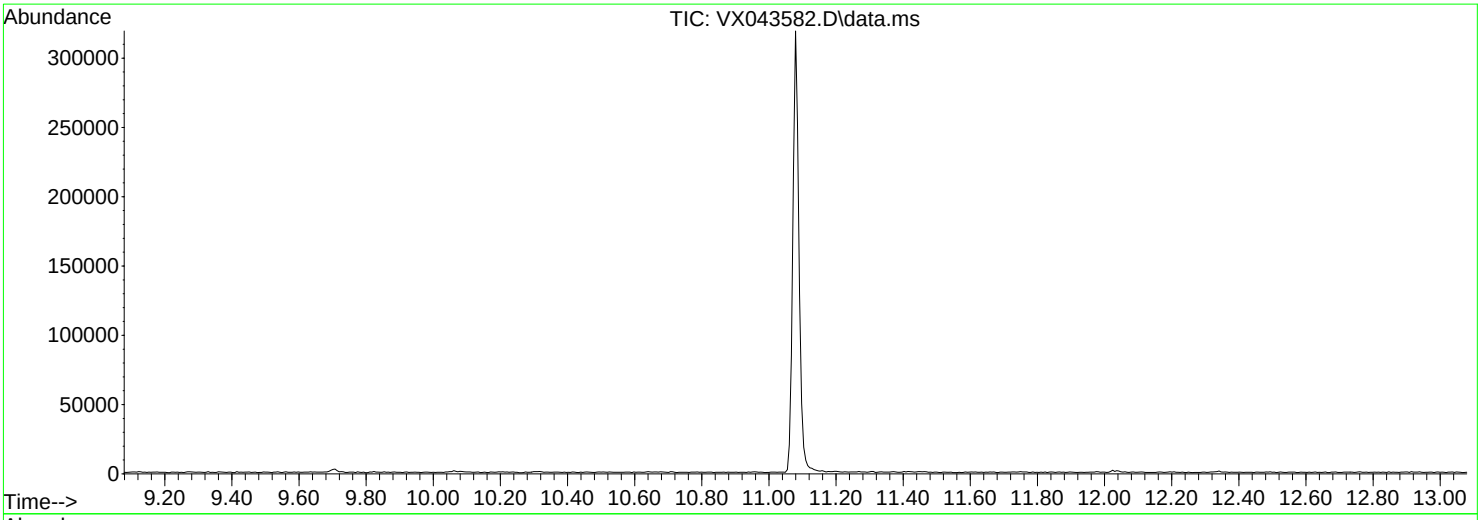
Sample Results: **VX043582.D**

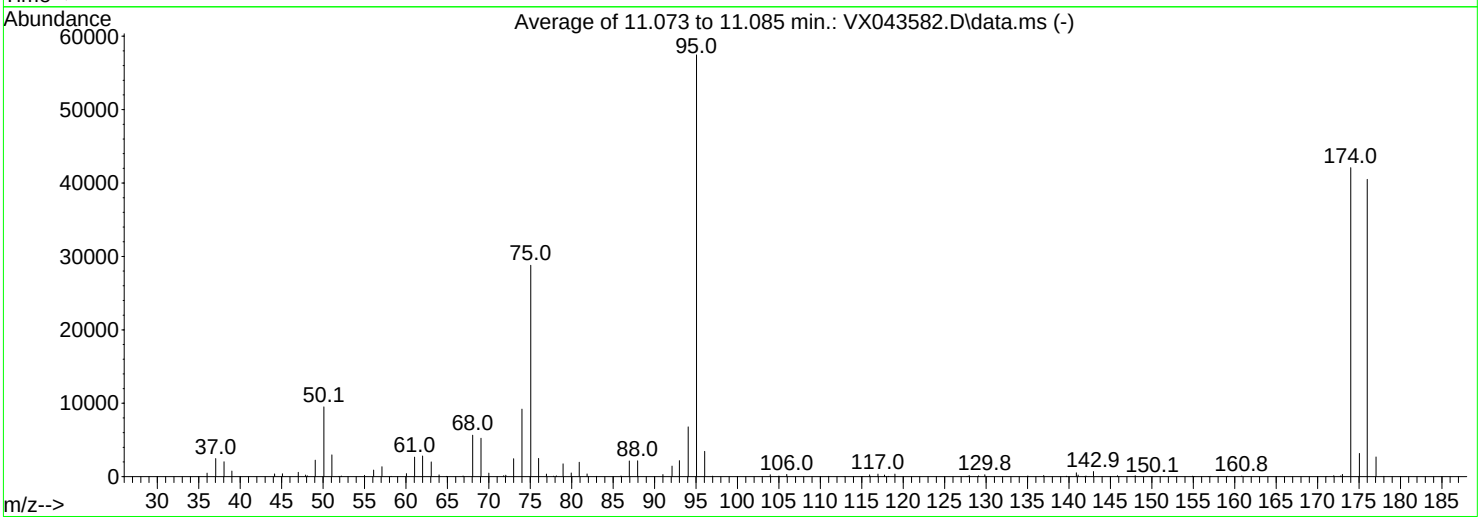
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043582.D
Acq On : 29 Oct 2024 08:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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	16.5	9509	PASS
75	95	30	60	50.1	28803	PASS
95	95	100	100	100.0	57464	PASS
96	95	5	9	6.0	3434	PASS
173	174	0.00	2	0.7	307	PASS
174	95	50	100	73.3	42096	PASS
175	174	5	9	7.5	3171	PASS
176	174	95	101	96.2	40501	PASS
177	176	5	9	6.6	2676	PASS

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2024	Date Received:	
Client Sample ID:	VX1029WBL01	SDG No.:	P4548
Lab Sample ID:	VX1029WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043585.D	1		10/29/24 10:31	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043585.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2024	Date Received:	
Client Sample ID:	VX1029WBL01	SDG No.:	P4548
Lab Sample ID:	VX1029WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043585.D	1		10/29/24 10:31	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
74-88-4	Methyl Iodide	1.20	U	1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	0.63	U	0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.4		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	50.5		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	5.55			
540-36-3	1,4-Difluorobenzene	295000	6.757			
3114-55-4	Chlorobenzene-d5	266000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	128000	12.018			

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\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Time: Oct 30 01:26:24 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	160199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	265502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	128354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110928	43.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.860%			
35) Dibromofluoromethane	5.379	113	91054	45.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.920%			
50) Toluene-d8	8.647	98	350111	50.493	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	129946	50.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.160%			

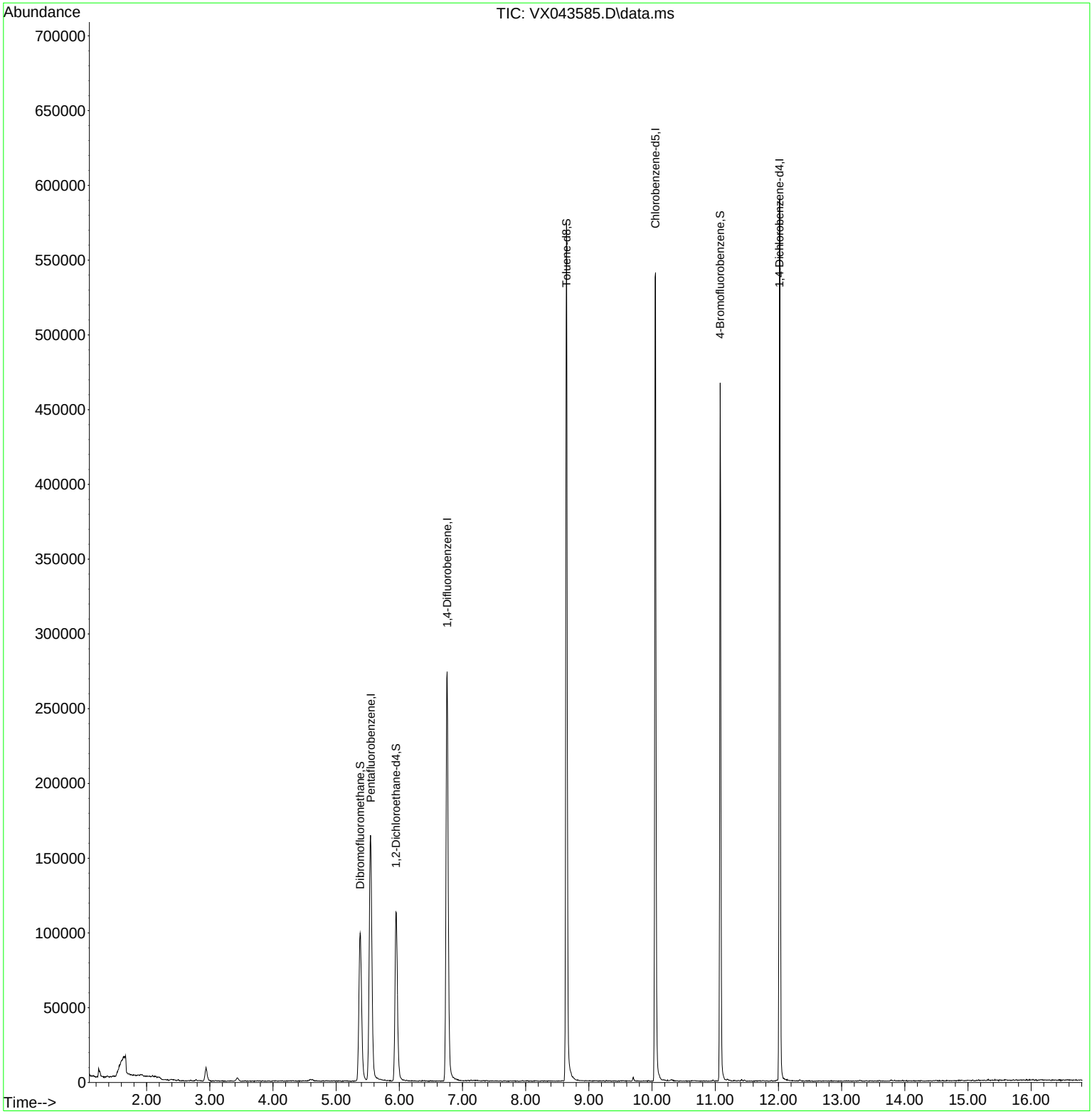
Target Compounds Qvalue

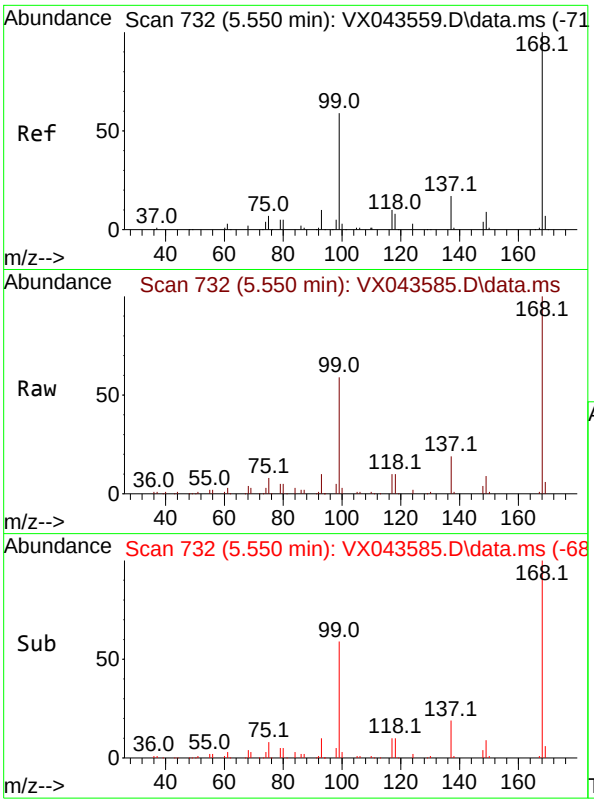
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Time: Oct 30 01:26:24 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



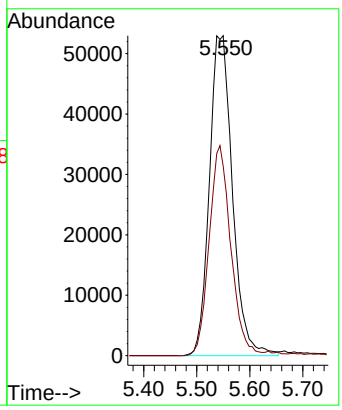


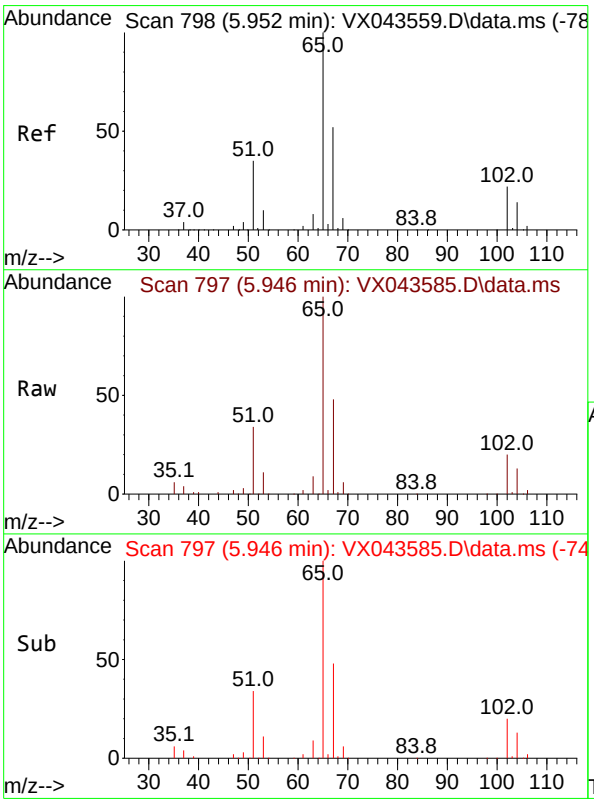
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:168 Resp: 160199

Ion	Ratio	Lower	Upper
168	100		
99	59.3	52.6	78.8

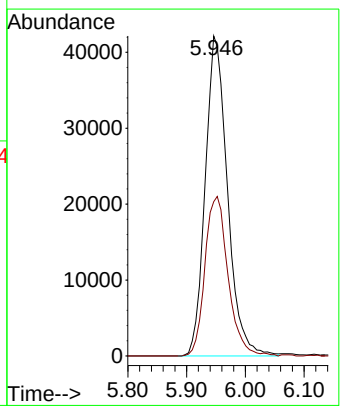


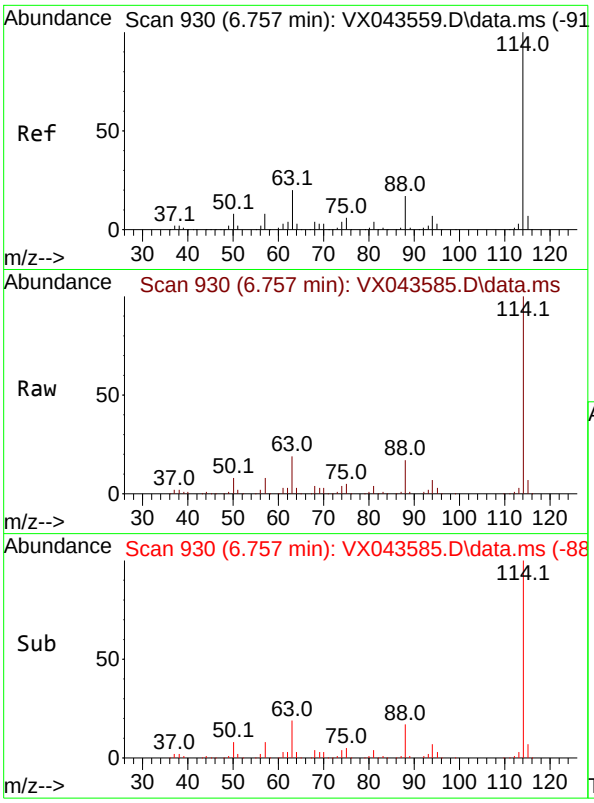


#33
1,2-Dichloroethane-d4
Concen: 43.426 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion: 65 Resp: 110928

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



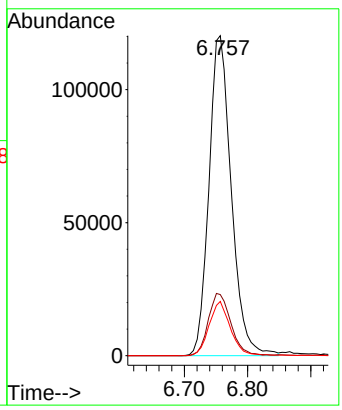


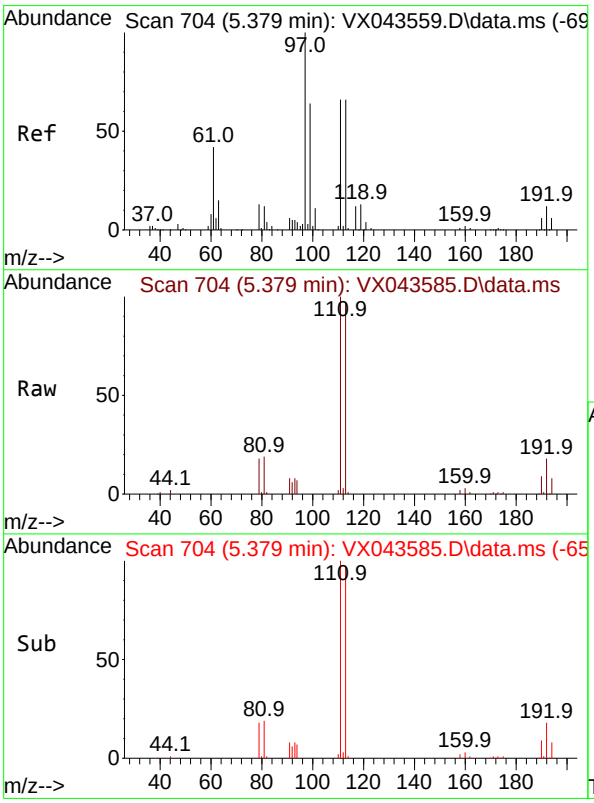
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:114 Resp: 295395

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.2
88	17.0	0.0	34.0

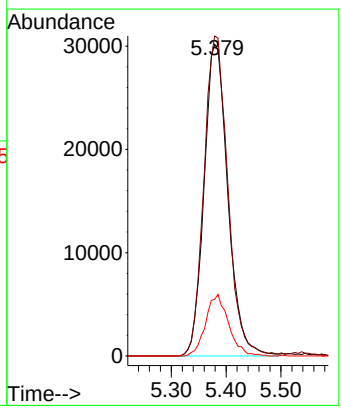


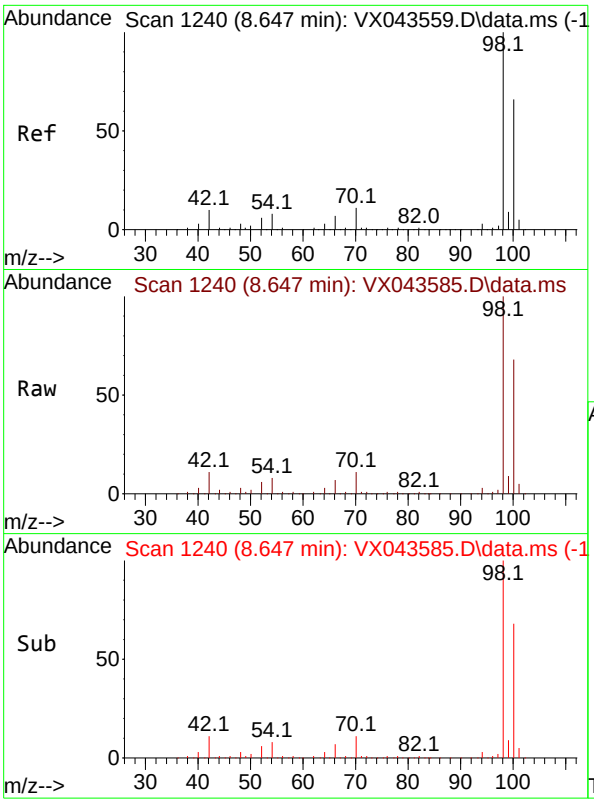


#35
Dibromofluoromethane
Concen: 45.457 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion:113 Resp: 91054

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	19.0	14.1	21.1



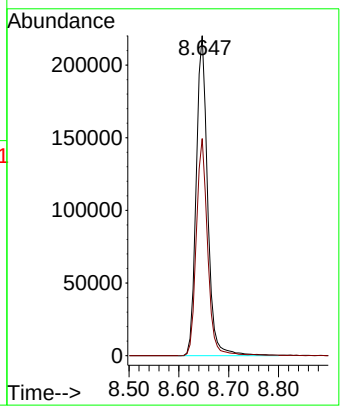


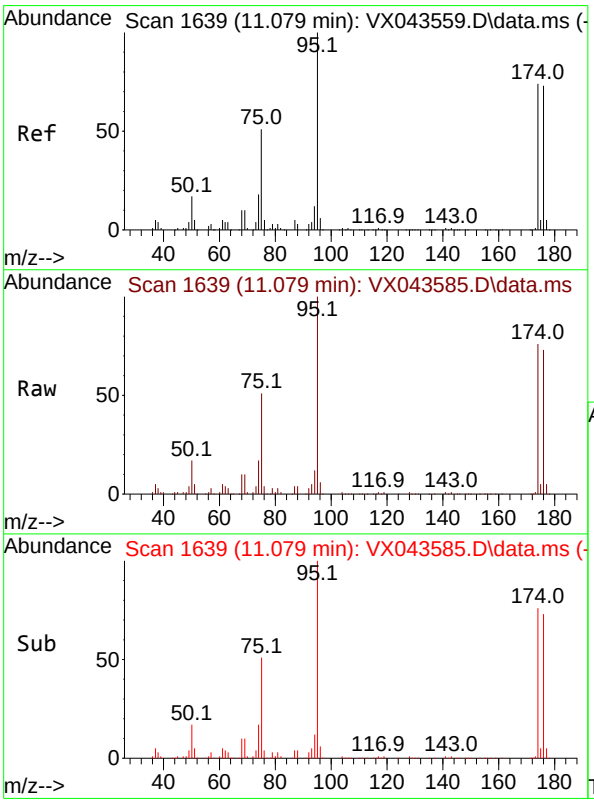
#50
Toluene-d8
Concen: 50.493 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion: 98 Resp: 350111

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2

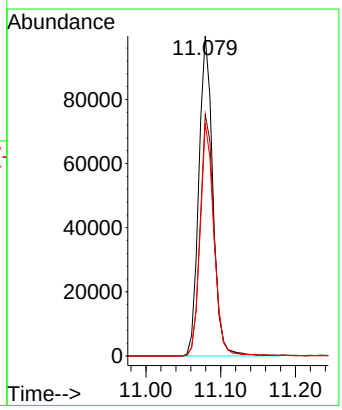


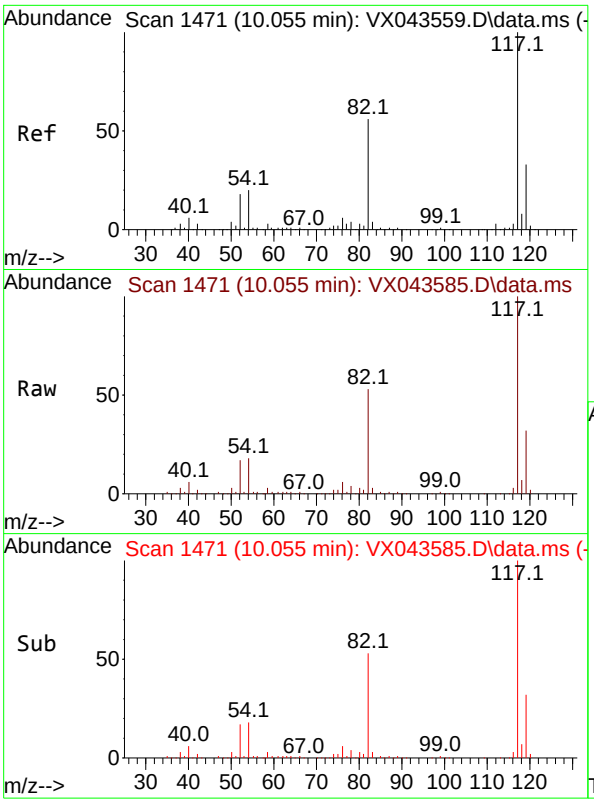


#62
4-Bromofluorobenzene
Concen: 50.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion: 95 Resp: 129946

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	146.6
176	71.3	0.0	139.6



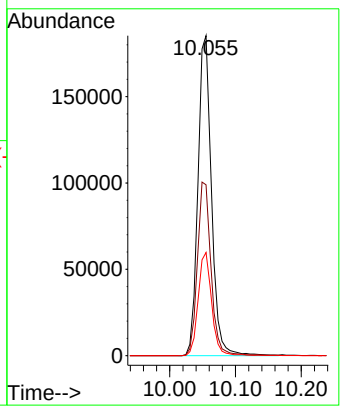


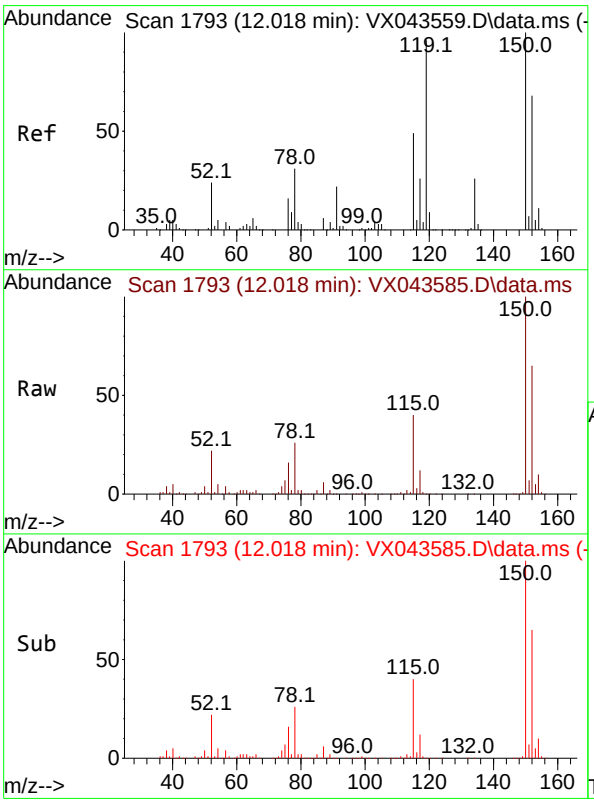
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:117 Resp: 265502

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.3	25.4	38.2

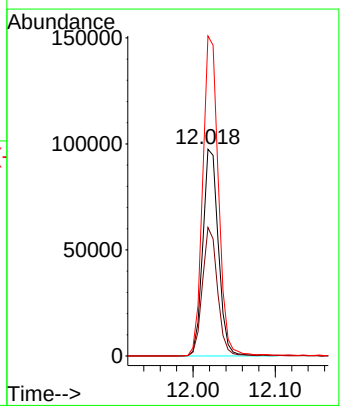




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion:152 Resp: 128354

Ion	Ratio	Lower	Upper
152	100		
115	60.1	42.9	128.7
150	156.4	0.0	343.6



Raw Data: **VX043586.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2024	Date Received:	
Client Sample ID:	VX1029WBS01	SDG No.:	P4548
Lab Sample ID:	VX1029WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.2		0.34	1.00	ug/L
75-00-3	Chloroethane	19.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	1.00	ug/L
107-13-1	Acrylonitrile	85.2		0.90	5.00	ug/L
67-64-1	Acetone	92.3		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	1.00	ug/L
75-09-2	Methylene Chloride	17.1		0.32	1.00	ug/L
108-05-4	Vinyl Acetate	89.3		0.71	5.00	ug/L
78-93-3	2-Butanone	86.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.25	1.00	ug/L
74-97-5	Bromochloromethane	17.5		0.18	1.00	ug/L
67-66-3	Chloroform	18.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.19	1.00	ug/L
71-43-2	Benzene	18.9		0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.2		0.19	1.00	ug/L
74-95-3	Dibromomethane	17.9		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	90.2		0.75	5.00	ug/L
108-88-3	Toluene	19.9		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.18	1.00	ug/L
591-78-6	2-Hexanone	91.2		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.7		0.21	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	1.00	ug/L

Raw Data: **VX043586.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2024	Date Received:	
Client Sample ID:	VX1029WBS01	SDG No.:	P4548
Lab Sample ID:	VX1029WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	60.7		0.45	3.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.8		0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	17.8		0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		0.46	1.00	ug/L
74-88-4	Methyl Iodide	18.7		1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	17.9		0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		74 - 125	84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	48.3		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	5.544			
540-36-3	1,4-Difluorobenzene	352000	6.757			
3114-55-4	Chlorobenzene-d5	295000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.018			

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\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 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 :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	202431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	352202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	142936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	135908	42.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.220%		
35) Dibromofluoromethane	5.379	113	111394	46.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.280%		
50) Toluene-d8	8.647	98	399169	48.283	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.560%		
62) 4-Bromofluorobenzene	11.079	95	144111	47.042	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	40027	18.489	ug/l	100
3) Chloromethane	1.294	50	44310	16.012	ug/l	92
4) Vinyl Chloride	1.374	62	46678	18.174	ug/l	99
5) Bromomethane	1.593	94	18192	17.375	ug/l	97
6) Chloroethane	1.660	64	17156m	18.960	ug/l	
7) Trichlorofluoromethane	1.861	101	64804	20.654	ug/l	98
8) Diethyl Ether	2.136	74	25896	17.863	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	45384	21.388	ug/l	99
10) Methyl Iodide	2.440	142	57476	18.748	ug/l	97
11) Tert butyl alcohol	3.007	59	56407m	93.626	ug/l	
12) 1,1-Dichloroethene	2.306	96	42035	19.385	ug/l	92
13) Acrolein	2.239	56	40906	86.821	ug/l	99
14) Allyl chloride	2.654	41	68347	18.223	ug/l	96
15) Acrylonitrile	3.068	53	115840	85.162	ug/l	99
16) Acetone	2.386	43	118332	92.319	ug/l	98
17) Carbon Disulfide	2.501	76	82388	18.170	ug/l	100
18) Methyl Acetate	2.703	43	60142	16.054	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	143107	17.354	ug/l	100
20) Methylene Chloride	2.782	84	47149	17.068	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	44262	19.321	ug/l	97
22) Diisopropyl ether	3.757	45	139725	18.024	ug/l	92
23) Vinyl Acetate	3.721	43	571697	89.264	ug/l	99
24) 1,1-Dichloroethane	3.605	63	79799	17.909	ug/l	98
25) 2-Butanone	4.556	43	160914	86.062	ug/l	99
26) 2,2-Dichloropropane	4.465	77	72610	19.908	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	53987	18.448	ug/l	99
28) Bromochloromethane	4.891	49	37071	17.489	ug/l	96
29) Tetrahydrofuran	5.007	42	100228	82.487	ug/l	98
30) Chloroform	5.086	83	84330	18.055	ug/l	99
31) Cyclohexane	5.458	56	69310	20.338	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	76151	19.420	ug/l	99
36) 1,1-Dichloropropene	5.684	75	56285	19.875	ug/l	98
37) Ethyl Acetate	4.714	43	60171	17.501	ug/l	98
38) Carbon Tetrachloride	5.666	117	62906	20.104	ug/l	97
39) Methylcyclohexane	7.373	83	75030	21.340	ug/l	99
40) Benzene	6.031	78	178716	18.917	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 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 :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	33159	18.374	ug/l		97
42) 1,2-Dichloroethane	6.080	62	62263	18.332	ug/l		99
43) Isopropyl Acetate	6.336	43	100112	17.607	ug/l		100
44) Trichloroethene	7.123	130	46116	19.649	ug/l		95
45) 1,2-Dichloropropane	7.427	63	42277	18.174	ug/l		100
46) Dibromomethane	7.580	93	32080	17.910	ug/l		96
47) Bromodichloromethane	7.818	83	57532	18.310	ug/l		99
48) Methyl methacrylate	7.696	41	48326	17.927	ug/l		98
49) 1,4-Dioxane	7.671	88	23130	417.634	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	312558	90.192	ug/l		99
52) Toluene	8.714	92	113851	19.871	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	59568	17.650	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	70181	19.517	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	44829	18.797	ug/l		93
56) Ethyl methacrylate	9.116	69	69497	17.934	ug/l		98
57) 1,3-Dichloropropane	9.305	76	74400	18.757	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	172110	91.703	ug/l		99
59) 2-Hexanone	9.433	43	240151	91.242	ug/l		100
60) Dibromochloromethane	9.518	129	44184	18.709	ug/l		98
61) 1,2-Dibromoethane	9.610	107	45897	18.539	ug/l		96
64) Tetrachloroethene	9.269	164	39340	21.213	ug/l		98
65) Chlorobenzene	10.079	112	123286	19.435	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	40788	19.685	ug/l		99
67) Ethyl Benzene	10.195	91	209043	20.209	ug/l		100
68) m/p-Xylenes	10.299	106	160547	40.586	ug/l		99
69) o-Xylene	10.640	106	79997	20.128	ug/l		99
70) Styrene	10.652	104	133590	20.223	ug/l		99
71) Bromoform	10.799	173	26501	17.788	ug/l	#	96
73) Isopropylbenzene	10.963	105	207962	20.539	ug/l		100
74) N-amyl acetate	10.841	43	89068	18.058	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	67422	18.518	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	54362m	17.788	ug/l		
77) Bromobenzene	11.195	156	50119	19.170	ug/l		99
78) n-propylbenzene	11.305	91	227750	20.630	ug/l		99
79) 2-Chlorotoluene	11.360	91	143898	19.657	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	171034	20.260	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	19932	17.942	ug/l		96
82) 4-Chlorotoluene	11.451	91	162418	19.767	ug/l		96
83) tert-Butylbenzene	11.713	119	176326	20.537	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	176438	20.508	ug/l		99
85) sec-Butylbenzene	11.890	105	214438	21.308	ug/l		100
86) p-Isopropyltoluene	12.006	119	180325	21.080	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	92275	19.691	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	93923	19.343	ug/l		99
89) n-Butylbenzene	12.329	91	148112	21.249	ug/l		99
90) Hexachloroethane	12.536	117	28082	20.210	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	92312	19.265	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	16.540	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	55722	19.158	ug/l		98
94) Hexachlorobutadiene	13.725	225	22819	21.279	ug/l		98
95) Naphthalene	13.774	128	207496	18.643	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	57807	18.850	ug/l		99

Sample Results: **VX043586.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 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 :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

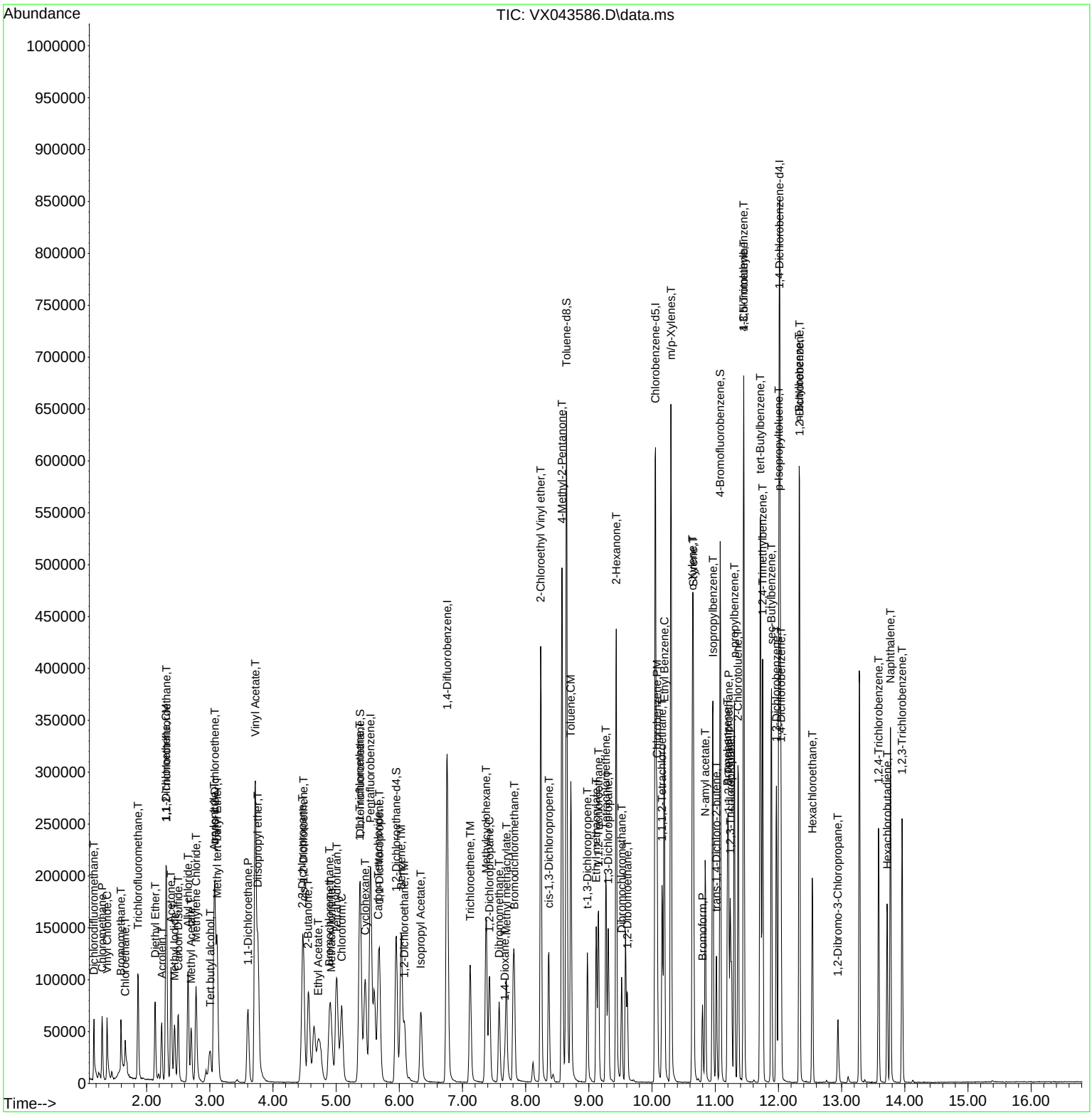
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 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 :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2024	Date Received:	
Client Sample ID:	VX1029WBSD01	SDG No.:	P4548
Lab Sample ID:	VX1029WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.1		0.34	1.00	ug/L
75-00-3	Chloroethane	18.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
107-13-1	Acrylonitrile	90.3		0.90	5.00	ug/L
67-64-1	Acetone	95.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.1		0.32	1.00	ug/L
75-09-2	Methylene Chloride	17.0		0.32	1.00	ug/L
108-05-4	Vinyl Acetate	92.3		0.71	5.00	ug/L
78-93-3	2-Butanone	91.3		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.8		0.18	1.00	ug/L
67-66-3	Chloroform	18.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.19	1.00	ug/L
71-43-2	Benzene	19.5		0.16	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.19	1.00	ug/L
74-95-3	Dibromomethane	19.0		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.8		0.75	5.00	ug/L
108-88-3	Toluene	20.2		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.18	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.7		0.21	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	1.00	ug/L

Raw Data: **VX043587.D**

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

Report of Analysis

Client:	Lockwood, Kessler & Bartlett, Inc.	Date Collected:	
Project:	Ansonia Landfill 2024	Date Received:	
Client Sample ID:	VX1029WBSD01	SDG No.:	P4548
Lab Sample ID:	VX1029WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1330-20-7	Total Xylenes	62.7		0.45	3.00	ug/L
100-42-5	Styrene	20.5		0.16	1.00	ug/L
75-25-2	Bromoform	18.8		0.21	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.9		0.39	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.1		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.46	1.00	ug/L
74-88-4	Methyl Iodide	19.5		1.20	5.00	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	18.5		0.63	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.9		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	5.55			
540-36-3	1,4-Difluorobenzene	312000	6.757			
3114-55-4	Chlorobenzene-d5	270000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	131000	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\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 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 :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	180366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	312050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123296	42.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.740%			
35) Dibromofluoromethane	5.385	113	99899	47.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	8.647	98	366426	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	11.079	95	135860	50.055	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35143	18.219	ug/l	98
3) Chloromethane	1.294	50	40942	16.605	ug/l	99
4) Vinyl Chloride	1.374	62	41339	18.065	ug/l	98
5) Bromomethane	1.593	94	17344	18.591	ug/l	94
6) Chloroethane	1.660	64	15277	18.949	ug/l	100
7) Trichlorofluoromethane	1.861	101	57506	20.570	ug/l	98
8) Diethyl Ether	2.136	74	23314	18.050	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	37452	19.809	ug/l	97
10) Methyl Iodide	2.441	142	53263	19.499	ug/l	96
11) Tert butyl alcohol	3.008	59	57011m	106.205	ug/l	
12) 1,1-Dichloroethene	2.307	96	36845	19.070	ug/l	96
13) Acrolein	2.239	56	39535	94.177	ug/l	100
14) Allyl chloride	2.660	41	61519	18.409	ug/l	97
15) Acrylonitrile	3.069	53	109405	90.270	ug/l	99
16) Acetone	2.392	43	109359	95.756	ug/l	100
17) Carbon Disulfide	2.502	76	73159	18.108	ug/l	99
18) Methyl Acetate	2.709	43	57203	17.138	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	131788	17.936	ug/l	97
20) Methylene Chloride	2.782	84	41826	16.993	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	38207	18.718	ug/l	93
22) Diisopropyl ether	3.764	45	127741	18.494	ug/l	97
23) Vinyl Acetate	3.721	43	526774	92.311	ug/l	99
24) 1,1-Dichloroethane	3.605	63	72922	18.368	ug/l	98
25) 2-Butanone	4.562	43	152135	91.321	ug/l	100
26) 2,2-Dichloropropane	4.465	77	61908	19.050	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	48502	18.602	ug/l	99
28) Bromochloromethane	4.898	49	35416	18.753	ug/l	100
29) Tetrahydrofuran	5.007	42	96260	88.912	ug/l	98
30) Chloroform	5.086	83	75982	18.258	ug/l	98
31) Cyclohexane	5.458	56	60944	20.070	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	66644	19.074	ug/l	98
36) 1,1-Dichloropropene	5.684	75	50726	20.217	ug/l	99
37) Ethyl Acetate	4.715	43	57527	18.885	ug/l	98
38) Carbon Tetrachloride	5.672	117	55313	19.952	ug/l	95
39) Methylcyclohexane	7.373	83	65547	21.041	ug/l	95
40) Benzene	6.031	78	162811	19.451	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 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 :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	30340	18.975	ug/l		96
42) 1,2-Dichloroethane	6.086	62	57693	19.172	ug/l		98
43) Isopropyl Acetate	6.342	43	94365	18.732	ug/l		98
44) Trichloroethene	7.123	130	40576	19.513	ug/l		98
45) 1,2-Dichloropropane	7.428	63	39286	19.061	ug/l		98
46) Dibromomethane	7.580	93	30214	19.039	ug/l		98
47) Bromodichloromethane	7.818	83	52666	18.918	ug/l		96
48) Methyl methacrylate	7.696	41	45342	18.984	ug/l		98
49) 1,4-Dioxane	7.671	88	22833	465.320	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	303410	98.818	ug/l		100
52) Toluene	8.720	92	102358	20.164	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	57218	19.136	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	64125	20.128	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	42874	20.290	ug/l		96
56) Ethyl methacrylate	9.116	69	67171	19.564	ug/l		97
57) 1,3-Dichloropropane	9.305	76	69379	19.741	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	161188	96.934	ug/l		98
59) 2-Hexanone	9.433	43	235915	101.166	ug/l		100
60) Dibromochloromethane	9.519	129	41001	19.595	ug/l		98
61) 1,2-Dibromoethane	9.610	107	43112	19.655	ug/l		97
64) Tetrachloroethene	9.275	164	35803	21.083	ug/l		94
65) Chlorobenzene	10.079	112	114879	19.776	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39255	20.689	ug/l		99
67) Ethyl Benzene	10.195	91	191684	20.237	ug/l		97
68) m/p-Xylenes	10.299	106	151758	41.895	ug/l		95
69) o-Xylene	10.640	106	75831	20.836	ug/l		97
70) Styrene	10.653	104	124213	20.534	ug/l		99
71) Bromoform	10.799	173	25655	18.805	ug/l	#	96
73) Isopropylbenzene	10.963	105	190648	20.509	ug/l		99
74) N-amyl acetate	10.842	43	86862	19.182	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	65393	19.563	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	52914m	18.859	ug/l		
77) Bromobenzene	11.195	156	46994	19.579	ug/l		99
78) n-propylbenzene	11.305	91	208848	20.606	ug/l		99
79) 2-Chlorotoluene	11.366	91	133377	19.846	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	161261	20.806	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	18827	18.460	ug/l		98
82) 4-Chlorotoluene	11.451	91	150670	19.974	ug/l		99
83) tert-Butylbenzene	11.713	119	165824	21.037	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	163892	20.749	ug/l		99
85) sec-Butylbenzene	11.890	105	197051	21.328	ug/l		100
86) p-Isopropyltoluene	12.006	119	164691	20.970	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	85827	19.950	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	85335	19.143	ug/l		99
89) n-Butylbenzene	12.329	91	132178	20.655	ug/l		98
90) Hexachloroethane	12.536	117	25551	20.029	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	88551	20.129	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12736	18.690	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	51206	19.176	ug/l		97
94) Hexachlorobutadiene	13.725	225	20393	20.713	ug/l		98
95) Naphthalene	13.774	128	200939	19.665	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	53643	19.053	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Quant Time: Oct 30 01:27:53 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

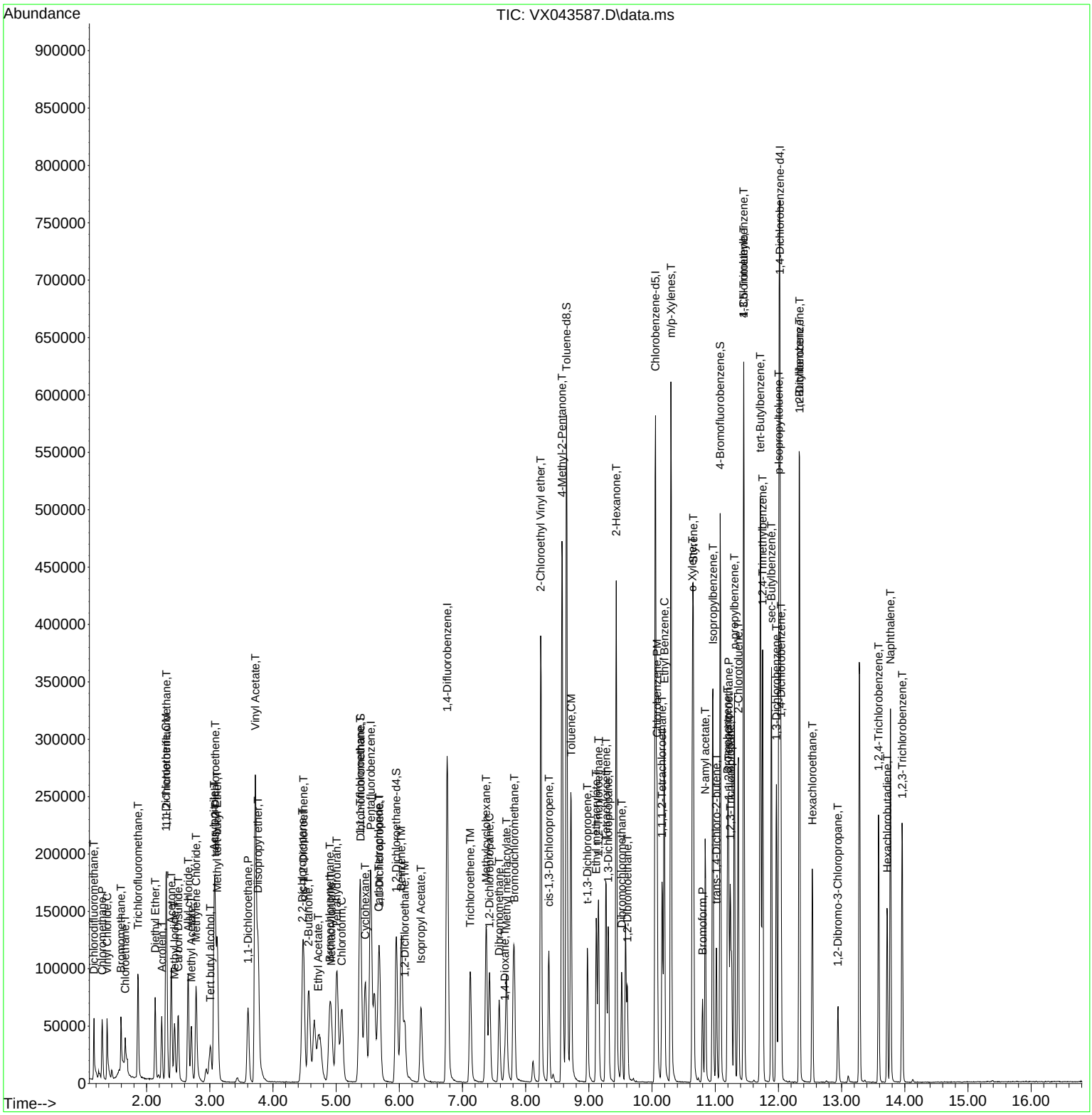
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 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 :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



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:	VX102924	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043583.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:32 AM	MMDadoda	10/30/2024 1:23:51 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Chloroethane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Tert butyl alcohol	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBSD01	VX043587.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VX1029WBSD01	VX043587.D	Tert butyl alcohol	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VSTDCCC050	VX043608.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:39 AM	MMDadoda	10/30/2024 1:23:58 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 # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM				
SubDirectory	VX102924	HP Acquire Method	MSVOA_X		HP Processing Method	82x102824w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043582.D	29 Oct 2024 08:30	JC/MD	Ok
2	VSTDCCC050	VX043583.D	29 Oct 2024 09:29	JC/MD	Ok,M
3	VX1029MBL01	VX043584.D	29 Oct 2024 10:06	JC/MD	Ok
4	VX1029WBL01	VX043585.D	29 Oct 2024 10:31	JC/MD	Ok
5	VX1029WBS01	VX043586.D	29 Oct 2024 10:57	JC/MD	Ok,M
6	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20	JC/MD	Ok,M
7	VIBLK	VX043588.D	29 Oct 2024 11:43	JC/MD	Ok
8	P4596-07	VX043589.D	29 Oct 2024 12:10	JC/MD	Ok,M
9	VIBLK	VX043590.D	29 Oct 2024 12:33	JC/MD	Ok
10	P4578-09	VX043591.D	29 Oct 2024 12:56	JC/MD	Ok
11	P4548-09	VX043592.D	29 Oct 2024 13:19	JC/MD	Ok
12	P4548-01	VX043593.D	29 Oct 2024 13:43	JC/MD	Ok
13	P4548-03	VX043594.D	29 Oct 2024 14:06	JC/MD	Ok
14	P4548-05	VX043595.D	29 Oct 2024 14:29	JC/MD	Ok
15	P4548-07	VX043596.D	29 Oct 2024 14:52	JC/MD	Ok
16	P4578-01	VX043597.D	29 Oct 2024 15:15	JC/MD	Ok
17	P4578-02	VX043598.D	29 Oct 2024 15:38	JC/MD	Ok
18	P4600-01	VX043599.D	29 Oct 2024 16:01	JC/MD	Ok
19	P4600-02	VX043600.D	29 Oct 2024 16:24	JC/MD	Ok
20	P4600-03	VX043601.D	29 Oct 2024 16:48	JC/MD	Ok
21	P4600-04	VX043602.D	29 Oct 2024 17:11	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 # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM				
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4600-05	VX043603.D	29 Oct 2024 17:34	JC/MD	ReRun
23	P4600-06	VX043604.D	29 Oct 2024 17:57	JC/MD	Ok
24	P4600-07	VX043605.D	29 Oct 2024 18:20	JC/MD	Ok
25	P4562-01	VX043606.D	29 Oct 2024 18:43	JC/MD	Ok
26	P4562-01	VX043607.D	29 Oct 2024 19:06	JC/MD	ReRun
27	VSTDCCC050	VX043608.D	29 Oct 2024 19:29	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

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

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

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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

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

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

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

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043582.D	29 Oct 2024 08:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043583.D	29 Oct 2024 09:29		JC/MD	Ok,M
3	VX1029MBL01	VX1029MBL01	VX043584.D	29 Oct 2024 10:06		JC/MD	Ok
4	VX1029WBL01	VX1029WBL01	VX043585.D	29 Oct 2024 10:31		JC/MD	Ok
5	VX1029WBS01	VX1029WBS01	VX043586.D	29 Oct 2024 10:57		JC/MD	Ok,M
6	VX1029WBSD01	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20		JC/MD	Ok,M
7	VIBLK	VIBLK	VX043588.D	29 Oct 2024 11:43		JC/MD	Ok
8	P4596-07	TOTE-WATER-COMP	VX043589.D	29 Oct 2024 12:10		JC/MD	Ok,M
9	VIBLK	VIBLK	VX043590.D	29 Oct 2024 12:33		JC/MD	Ok
10	P4578-09	TB-10252024	VX043591.D	29 Oct 2024 12:56	vial A pH<2 TB	JC/MD	Ok
11	P4548-09	TRIP BLANK	VX043592.D	29 Oct 2024 13:19	vial A pH<2 TB	JC/MD	Ok
12	P4548-01	MW-1	VX043593.D	29 Oct 2024 13:43	vial A pH<2	JC/MD	Ok
13	P4548-03	MW-2	VX043594.D	29 Oct 2024 14:06	vial A pH<2	JC/MD	Ok
14	P4548-05	MW-3	VX043595.D	29 Oct 2024 14:29	vial A pH<2	JC/MD	Ok
15	P4548-07	MW-4	VX043596.D	29 Oct 2024 14:52	vial A pH<2	JC/MD	Ok
16	P4578-01	WB-305-SW	VX043597.D	29 Oct 2024 15:15	vial A pH<2	JC/MD	Ok
17	P4578-02	WB-305-SW-1	VX043598.D	29 Oct 2024 15:38	vial A pH<2	JC/MD	Ok
18	P4600-01	BP-VPB-190-TB-20241	VX043599.D	29 Oct 2024 16:01	vial A pH<2 TB	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 # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4600-02	BP-VPB-190-DUP-2024	VX043600.D	29 Oct 2024 16:24	vial A pH<2	JC/MD	Ok
20	P4600-03	BP-VPB-190-GW-438-4	VX043601.D	29 Oct 2024 16:48	vial A pH<2	JC/MD	Ok
21	P4600-04	BP-VPB-190-GW-458-4	VX043602.D	29 Oct 2024 17:11	vial A pH<2	JC/MD	Ok
22	P4600-05	BP-VPB-190-GW-478-4	VX043603.D	29 Oct 2024 17:34	vial A pH<2 Internal standard fail	JC/MD	ReRun
23	P4600-06	BP-VPB-190-GW-498-5	VX043604.D	29 Oct 2024 17:57	vial A pH<2	JC/MD	Ok
24	P4600-07	BP-VPB-190-GW-518-5	VX043605.D	29 Oct 2024 18:20	vial A pH<2	JC/MD	Ok
25	P4562-01	Storage-Blank-SOIL-RE	VX043606.D	29 Oct 2024 18:43	vial A pH<2	JC/MD	Ok
26	P4562-01	Storage-Blank-SOIL-RE	VX043607.D	29 Oct 2024 19:06	vial A pH<2 Hit of com# 3	JC/MD	ReRun
27	VSTDCCC050	VSTDCCC050EC	VX043608.D	29 Oct 2024 19:29		JC/MD	Ok,M

M : Manual Integration

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. Bottle # P4548
QUOTE NO. B2410024
COC Number 2042090

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LKB, INC.
ADDRESS: 1 AERIAL WAY
CITY SYOSSET STATE: NY ZIP: 11791
ATTENTION: JOHN GERLACH
PHONE: 516-210-8931 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ANSONIA LANDFILL
PROJECT NO.: 0724-08 LOCATION: CT
PROJECT MANAGER: JOHN GERLACH
e-mail: jgerlach@LKBINC.COM
PHONE: SAME FAX:

CLIENT BILLING INFORMATION

BILL TO: LKB, INC. PO#: NA for Lab
ADDRESS: SAME
CITY STATE: ZIP:
ATTENTION: SHARON F. PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

VOCs SEE BOTTLE ORDER # B2410024

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E + Others As Appropriate								← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	MW-1	GW		X	10/23/24	10:05A	10		X								SAMPLES FOR DISS. Fe + Mn FILTERED IN FIELD.
2.	MW-2			X		12:15P	10		X								
3.	MW-3			X		11:00A	10		X								
4.	MW-4			X		11:30A	10		X								
5.	TRIP BLANK	DI		X			2	X									
6.																	
7.																	
8.																	
9.																	
10.																	

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

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1.	10/24/24 7:50A	RECEIVED BY: 1.	10.24.2024 1340
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1905 10-24-2024	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.0c °C
Comments:

Page ___ of ___
CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4548 LOCK01
Client Name : Lockwood, Kessler & Bartl
Client Contact : John Gerlach
Invoice Name : Lockwood, Kessler & Bartl
Invoice Contact : John Gerlach

Order Date : 10/24/2024 3:18:00 PM
Project Name : Ansonia Landfill 2024
Receive DateTime : 10/23/2024 ~~12:00:00 AM~~ 19:05
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4548-01	MW-1	Water	10/23/2024	10:05					
					VOCMS Group1		8260-Low		10 Bus. Days
P4548-03	MW-2	Water	10/23/2024	12:15					
					VOCMS Group1		8260-Low		10 Bus. Days
P4548-05	MW-3	Water	10/23/2024	11:00					
					VOCMS Group1		8260-Low		10 Bus. Days
P4548-07	MW-4	Water	10/23/2024	11:30					
					VOCMS Group1		8260-Low		10 Bus. Days
P4548-09	TRIP BLANK	Water	10/23/2024	00:00					
					VOCMS Group1		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 10/25/24 0900

Received By : [signature]
Date / Time : 10/25/24 0900 Ref # 4

Storage Area : VOA Refridgerator Room