

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 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

LAB CHRONICLE

OrderID:	P4886	OrderDate:	11/15/2024 11:44:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4886-01	Storage-Blank-SOIL-R EF-6	Water			11/15/24			11/15/24
			VOC- Chemtech Full	8260-Low			11/25/24	
P4886-02	Storage-Blank-WATER -REF-5	Water			11/15/24			11/15/24
			VOC- Chemtech Full	8260-Low			11/25/24	
P4886-03	Storage-Blank-WATER -REF-4	Water			11/15/24			11/15/24
			VOC- Chemtech Full	8260-Low			11/25/24	
P4886-04	Storage-Blank-SAMPL E-MANAGEMENT	Water			11/15/24			11/15/24
			VOC- Chemtech Full	8260-Low			11/25/24	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: P4886

Client: Chemtech Consulting Group

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

0

Total Voc :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: **P4886**

Client: **Chemtech Consulting Group**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4886-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	51.4	103	74	125
		Dibromofluoromethane	50	47.2	94	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	47.8	96	77	121
P4886-02	Storage-Blank-WATER-REF-5	1,2-Dichloroethane-d4	50	49.3	99	74	125
		Dibromofluoromethane	50	46.6	93	75	124
		Toluene-d8	50	49.8	100	86	113
		4-Bromofluorobenzene	50	47.6	95	77	121
P4886-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	50.2	100	74	125
		Dibromofluoromethane	50	46.5	93	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	47.4	95	77	121
P4886-04	Storage-Blank-SAMPLE-MANAGEMENT	1,2-Dichloroethane-d4	50	50.2	100	74	125
		Dibromofluoromethane	50	47.5	95	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	49.8	100	77	121
VX1125WBL01	VX1125WBL01	1,2-Dichloroethane-d4	50	52.0	104	74	125
		Dibromofluoromethane	50	47.2	94	75	124
		Toluene-d8	50	51.6	103	86	113
		4-Bromofluorobenzene	50	50.7	101	77	121
VX1125WBS01	VX1125WBS01	1,2-Dichloroethane-d4	50	50.6	101	74	125
		Dibromofluoromethane	50	49.4	99	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	47.3	95	77	121
VX1125WBSD0	VX1125WBSD01	1,2-Dichloroethane-d4	50	49.6	99	74	125
		Dibromofluoromethane	50	48.7	97	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	48.3	97	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4886

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VX043980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1125WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			69	116	
	Chloromethane	20	18.3	ug/L	92			65	116	
	Vinyl chloride	20	17.5	ug/L	88			65	117	
	Ethyl Acetate	20	17.0	ug/L	85			75	115	
	Bromomethane	20	20.6	ug/L	103			58	125	
	Chloroethane	20	19.4	ug/L	97			56	128	
	Trichlorofluoromethane	20	19.0	ug/L	95			73	115	
	1,1,2-Trichlorotrifluoroethane	20	17.5	ug/L	88			80	112	
	Tert butyl alcohol	100	85.3	ug/L	85			73	124	
	1,1-Dichloroethene	20	17.2	ug/L	86			74	110	
	Acrolein	100	79.5	ug/L	80			51	143	
	Acrylonitrile	100	90.5	ug/L	91			73	113	
	Acetone	100	87.8	ug/L	88			60	125	
	Carbon disulfide	20	15.0	ug/L	75			64	112	
	Methyl tert-butyl Ether	20	19.0	ug/L	95			78	114	
	Methyl Acetate	20	18.3	ug/L	92			67	125	
	Methylene Chloride	20	17.8	ug/L	89			72	114	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	108	
	Vinyl Acetate	100	92.9	ug/L	93			76	115	
	1,1-Dichloroethane	20	19.3	ug/L	97			78	112	
	Cyclohexane	20	17.9	ug/L	90			75	110	
	2-Butanone	100	91.3	ug/L	91			65	122	
	Carbon Tetrachloride	20	17.8	ug/L	89			77	113	
	2,2-Dichloropropane	20	18.5	ug/L	93			75	116	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			77	110	
	Bromochloromethane	20	21.3	ug/L	106			70	124	
	Chloroform	20	19.5	ug/L	98			79	113	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			80	108	
	Methylcyclohexane	20	17.0	ug/L	85			72	115	
	1,1-Dichloropropene	20	18.8	ug/L	94			79	110	
	Benzene	20	18.8	ug/L	94			82	109	
	1,2-Dichloroethane	20	19.1	ug/L	96			80	115	
	Trichloroethene	20	16.1	ug/L	81			77	113	
	1,2-Dichloropropane	20	19.8	ug/L	99			83	111	
	Dibromomethane	20	19.1	ug/L	96			82	110	
	Bromodichloromethane	20	18.8	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	92.4	ug/L	92			74	118	
	Toluene	20	19.1	ug/L	96			82	110	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			79	110	
	cis-1,3-Dichloropropene	20	18.6	ug/L	93			82	110	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			83	112	
	1,3-Dichloropropane	20	19.5	ug/L	98			83	111	
	2-Chloroethyl vinyl ether	100	76.4	ug/L	76			75	124	
	2-Hexanone	100	90.6	ug/L	91			73	117	
	Dibromochloromethane	20	17.9	ug/L	90			82	110	
	1,2-Dibromoethane	20	18.5	ug/L	93			81	110	
	Tetrachloroethene	20	18.1	ug/L	91			67	123	
	Chlorobenzene	20	18.6	ug/L	93			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4886

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VX043980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1125WBS01	1,1,1,2-Tetrachloroethane	20	19.1	ug/L	96			84	111	
	Hexachloroethane	20	16.7	ug/L	84			80	113	
	Ethyl Benzene	20	18.6	ug/L	93			83	109	
	m/p-Xylenes	40	37.3	ug/L	93			82	110	
	o-Xylene	20	18.7	ug/L	94			83	109	
	Styrene	20	18.6	ug/L	93			80	111	
	Bromoform	20	16.0	ug/L	80			79	109	
	Isopropylbenzene	20	19.0	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/L	96			76	118	
	1,2,3-Trichloropropane	20	19.0	ug/L	95			75	112	
	Bromobenzene	20	19.0	ug/L	95			77	116	
	N-propylbenzene	20	19.0	ug/L	95			83	112	
	2-Chlorotoluene	20	19.1	ug/L	96			83	110	
	1,3,5-Trimethylbenzene	20	19.8	ug/L	99			85	112	
	4-Chlorotoluene	20	19.1	ug/L	96			82	110	
	tert-Butylbenzene	20	19.2	ug/L	96			83	112	
	1,2,4-Trimethylbenzene	20	19.8	ug/L	99			85	111	
	Sec-butylbenzene	20	18.3	ug/L	92			81	114	
	p-Isopropyltoluene	20	19.5	ug/L	98			78	116	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			82	107	
	n-Butylbenzene	20	18.6	ug/L	93			75	115	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.5	ug/L	83			68	112	
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86			75	113	
	Hexachlorobutadiene	20	18.8	ug/L	94			81	121	
	Naphthalene	20	17.7	ug/L	89			78	119	
	1,2,3-Trichlorobenzene	20	17.9	ug/L	90			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P4886**

Client: **Chemtech Consulting Group**

Analytical Method: **SW8260-Low**

Datafile : VX043981.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1125WBSD01	Dichlorodifluoromethane	20	18.0	ug/L	90	6		69	116	20
	Chloromethane	20	16.9	ug/L	85	8		65	116	20
	Vinyl chloride	20	17.1	ug/L	86	2		65	117	20
	Ethyl Acetate	20	18.1	ug/L	91	7		75	115	20
	Bromomethane	20	20.0	ug/L	100	3		58	125	20
	Chloroethane	20	19.4	ug/L	97	0		56	128	20
	Trichlorofluoromethane	20	17.6	ug/L	88	8		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94	7		80	112	20
	Tert butyl alcohol	100	93.1	ug/L	93	9		73	124	20
	1,1-Dichloroethene	20	17.2	ug/L	86	0		74	110	20
	Acrolein	100	84.9	ug/L	85	6		51	143	20
	Acrylonitrile	100	92.9	ug/L	93	2		73	113	20
	Acetone	100	87.9	ug/L	88	0		60	125	20
	Carbon disulfide	20	14.7	ug/L	74	1		64	112	20
	Methyl tert-butyl Ether	20	19.3	ug/L	97	2		78	114	20
	Methyl Acetate	20	18.6	ug/L	93	1		67	125	20
	Methylene Chloride	20	17.6	ug/L	88	1		72	114	20
	trans-1,2-Dichloroethene	20	17.6	ug/L	88	2		75	108	20
	Vinyl Acetate	100	94.6	ug/L	95	2		76	115	20
	1,1-Dichloroethane	20	19.1	ug/L	96	1		78	112	20
	Cyclohexane	20	17.9	ug/L	90	0		75	110	20
	2-Butanone	100	93.1	ug/L	93	2		65	122	20
	Carbon Tetrachloride	20	18.6	ug/L	93	4		77	113	20
	2,2-Dichloropropane	20	18.6	ug/L	93	0		75	116	20
	cis-1,2-Dichloroethene	20	18.8	ug/L	94	0		77	110	20
	Bromochloromethane	20	21.6	ug/L	108	2		70	124	20
	Chloroform	20	19.2	ug/L	96	2		79	113	20
	1,1,1-Trichloroethane	20	19.2	ug/L	96	1		80	108	20
	Methylcyclohexane	20	18.0	ug/L	90	6		72	115	20
	1,1-Dichloropropene	20	18.6	ug/L	93	1		79	110	20
	Benzene	20	18.8	ug/L	94	0		82	109	20
	1,2-Dichloroethane	20	19.6	ug/L	98	2		80	115	20
	Trichloroethene	20	16.2	ug/L	81	0		77	113	20
	1,2-Dichloropropane	20	19.6	ug/L	98	1		83	111	20
	Dibromomethane	20	19.5	ug/L	98	2		82	110	20
	Bromodichloromethane	20	19.0	ug/L	95	1		83	110	20
	4-Methyl-2-Pentanone	100	95.8	ug/L	96	4		74	118	20
	Toluene	20	19.2	ug/L	96	0		82	110	20
	t-1,3-Dichloropropene	20	18.5	ug/L	93	2		79	110	20
	cis-1,3-Dichloropropene	20	18.9	ug/L	95	2		82	110	20
	1,1,2-Trichloroethane	20	19.4	ug/L	97	3		83	112	20
	1,3-Dichloropropane	20	20.0	ug/L	100	2		83	111	20
	2-Chloroethyl vinyl ether	100	77.5	ug/L	78	3		75	124	20
	2-Hexanone	100	93.5	ug/L	94	3		73	117	20
	Dibromochloromethane	20	18.7	ug/L	94	4		82	110	20
	1,2-Dibromoethane	20	19.9	ug/L	100	7		81	110	20
	Tetrachloroethene	20	19.3	ug/L	97	6		67	123	20
	Chlorobenzene	20	18.9	ug/L	95	2		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4886

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Datafile : VX043981.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1125WBSD01	1,1,1,2-Tetrachloroethane	20	19.4	ug/L	97	1		84	111	20
	Hexachloroethane	20	17.4	ug/L	87	4		80	113	20
	Ethyl Benzene	20	19.3	ug/L	97	4		83	109	20
	m/p-Xylenes	40	37.6	ug/L	94	1		82	110	20
	o-Xylene	20	18.8	ug/L	94	0		83	109	20
	Styrene	20	19.2	ug/L	96	3		80	111	20
	Bromoforn	20	17.1	ug/L	86	7		79	109	20
	Isopropylbenzene	20	19.2	ug/L	96	1		83	112	20
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97	1		76	118	20
	1,2,3-Trichloropropane	20	19.0	ug/L	95	0		75	112	20
	Bromobenzene	20	19.4	ug/L	97	2		77	116	20
	N-propylbenzene	20	18.9	ug/L	95	0		83	112	20
	2-Chlorotoluene	20	18.9	ug/L	95	1		83	110	20
	1,3,5-Trimethylbenzene	20	19.8	ug/L	99	0		85	112	20
	4-Chlorotoluene	20	19.1	ug/L	96	0		82	110	20
	tert-Butylbenzene	20	18.9	ug/L	95	1		83	112	20
	1,2,4-Trimethylbenzene	20	19.8	ug/L	99	0		85	111	20
	Sec-butylbenzene	20	19.4	ug/L	97	5		81	114	20
	p-Isopropyltoluene	20	19.7	ug/L	99	1		78	116	20
	1,3-Dichlorobenzene	20	18.7	ug/L	94	1		82	108	20
	1,4-Dichlorobenzene	20	18.2	ug/L	91	2		82	107	20
	n-Butylbenzene	20	19.0	ug/L	95	2		75	115	20
	1,2-Dichlorobenzene	20	18.9	ug/L	95	0		82	109	20
	1,2-Dibromo-3-Chloropropane	20	16.8	ug/L	84	1		68	112	20
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90	5		75	113	20
	Hexachlorobutadiene	20	18.5	ug/L	93	1		81	121	20
	Naphthalene	20	18.5	ug/L	93	4		78	119	20
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92	2		76	114	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1125WBL01

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4886

SAS No.: P4886 SDG NO.: P4886

Lab File ID: VX043979.D

Lab Sample ID: VX1125WBL01

Date Analyzed: 11/25/2024

Time Analyzed: 12:18

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
VX1125WBS01	VX1125WBS01	VX043980.D	11/25/2024
VX1125WBSD01	VX1125WBSD01	VX043981.D	11/25/2024
Storage-Blank-SOIL-REF-6	P4886-01	VX043984.D	11/25/2024
Storage-Blank-WATER-REF-5	P4886-02	VX043985.D	11/25/2024
Storage-Blank-WATER-REF-4	P4886-03	VX043986.D	11/25/2024
Storage-Blank-SAMPLE-MANAGEMENT	P4886-04	VX043987.D	11/25/2024

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG NO.: P4886
Lab File ID: VX043924.D BFB Injection Date: 11/21/2024
Instrument ID: MSVOA_X BFB Injection Time: 08:51
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	22.4
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	4.8 (6.8) 1
176	95.0 - 101.0% of mass 174	67.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.9 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX043925.D	11/21/2024	09:47
VSTDIC005	VSTDIC005	VX043926.D	11/21/2024	10:14
VSTDIC020	VSTDIC020	VX043927.D	11/21/2024	10:37
VSTDIC050	VSTDIC050	VX043928.D	11/21/2024	11:17
VSTDIC100	VSTDIC100	VX043929.D	11/21/2024	11:40
VSTDIC150	VSTDIC150	VX043930.D	11/21/2024	12:03



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG NO.: P4886
Lab File ID: VX043976.D BFB Injection Date: 11/25/2024
Instrument ID: MSVOA_X BFB Injection Time: 10:59
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.5
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX043977.D	11/25/2024	11:27
VX1125WBL01	VX1125WBL01	VX043979.D	11/25/2024	12:18
VX1125WBS01	VX1125WBS01	VX043980.D	11/25/2024	12:41
VX1125WBSD01	VX1125WBSD01	VX043981.D	11/25/2024	13:08
Storage-Blank-SOIL-REF-6	P4886-01	VX043984.D	11/25/2024	14:17
Storage-Blank-WATER-REF-5	P4886-02	VX043985.D	11/25/2024	14:40
Storage-Blank-WATER-REF-4	P4886-03	VX043986.D	11/25/2024	15:03
Storage-Blank-SAMPLE-MANAGEMENT	P4886-04	VX043987.D	11/25/2024	15:26

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG NO.: P4886
 Lab File ID: VX043977.D Date Analyzed: 11/25/2024
 Instrument ID: MSVOA_X Time Analyzed: 11:27
 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	132560	5.54	232543	6.75	196596	10.06
UPPER LIMIT	265120	6.043	465086	7.25	393192	10.555
LOWER LIMIT	66280	5.043	116272	6.25	98298	9.555
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	115325	5.55	219623	6.76	194128	10.06
Storage-Blank-WATER-REF-5	119026	5.54	226356	6.76	196892	10.06
Storage-Blank-WATER-REF-4	111702	5.55	214805	6.76	187487	10.06
Storage-Blank-SAMPLE-MANAGEMENT	116995	5.54	217462	6.76	194965	10.06
VX1125WBL01	113649	5.54	223629	6.76	208120	10.05
VX1125WBS01	129078	5.54	232630	6.76	200729	10.05
VX1125WBSD01	127862	5.54	226013	6.75	194163	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG NO.: P4886
 Lab File ID: VX043977.D Date Analyzed: 11/25/2024
 Instrument ID: MSVOA_X Time Analyzed: 11:27
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	94886	12.018				
UPPER LIMIT	189772	12.518				
LOWER LIMIT	47443	11.518				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	78448	12.02				
Storage-Blank-WATER-REF-5	84391	12.02				
Storage-Blank-WATER-REF-4	75443	12.02				
Storage-Blank-SAMPLE-MANAGEMENT	82714	12.02				
VX1125WBL01	90683	12.02				
VX1125WBS01	89446	12.02				
VX1125WBSD01	89463	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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4886
Lab Sample ID:	P4886-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043984.D	1		11/25/24 14:17	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	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
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4886
Lab Sample ID:	P4886-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043984.D	1		11/25/24 14:17	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	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
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4886
Lab Sample ID:	P4886-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043984.D	1		11/25/24 14:17	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	115000	5.55			
540-36-3	1,4-Difluorobenzene	220000	6.757			
3114-55-4	Chlorobenzene-d5	194000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	78400	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4886
Lab Sample ID:	P4886-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043984.D	1		11/25/24 14:17	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX112524\
 Data File : VX043984.D
 Acq On : 25 Nov 2024 14:17
 Operator : JC/MD
 Sample : P4886-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Storage-Blank-SOIL-REF-6

Quant Time: Nov 26 00:48:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	115325	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	219623	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101733	51.432	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.860%	
35) Dibromofluoromethane	5.379	113	74017	47.165	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.340%	
50) Toluene-d8	8.647	98	268813	49.692	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	99.380%	
62) 4-Bromofluorobenzene	11.079	95	88052	47.827	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	95.660%	

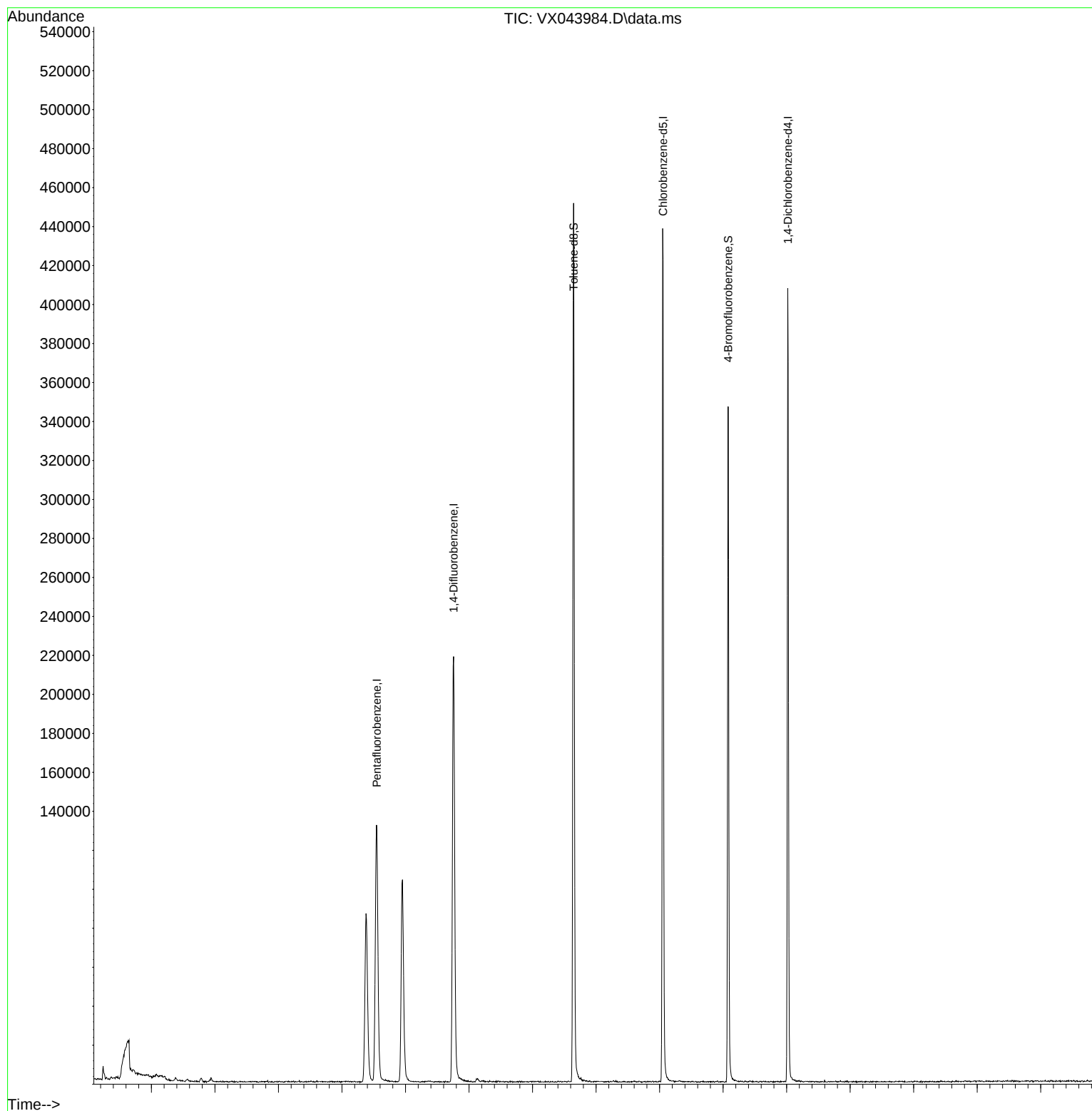
Target Compounds Qvalue

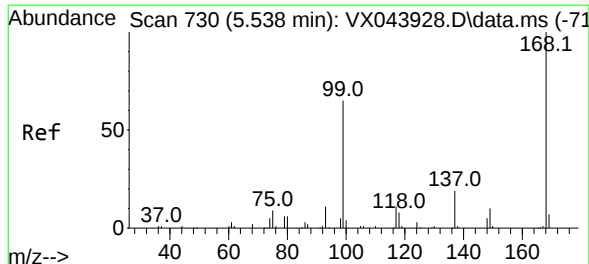
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043984.D
Acq On : 25 Nov 2024 14:17
Operator : JC/MD
Sample : P4886-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Time: Nov 26 00:48:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

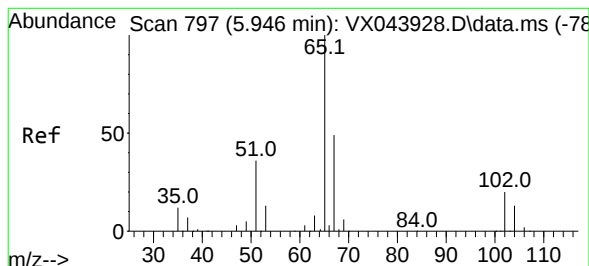
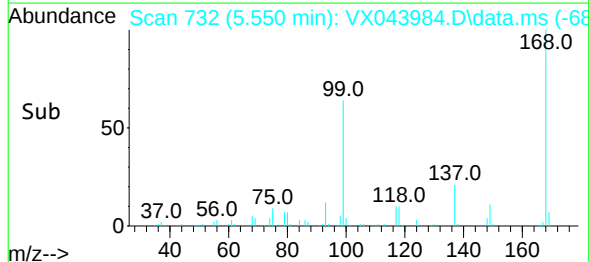
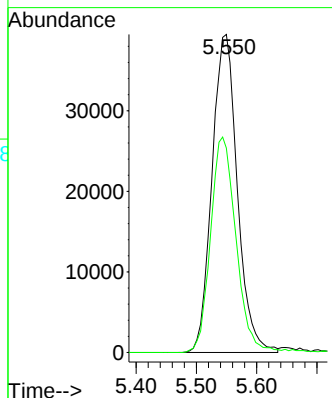
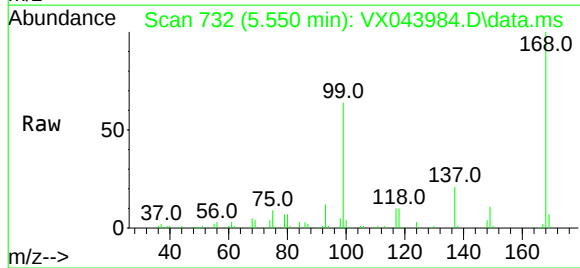




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 731
Delta R.T. 0.012 min
Lab File: VX043984.D
Acq: 25 Nov 2024 14:17

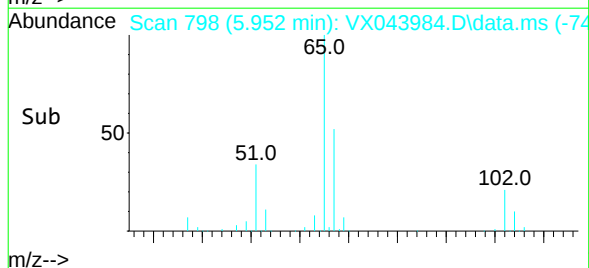
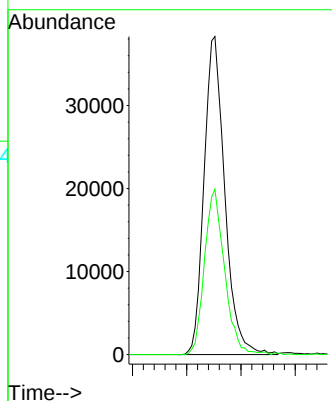
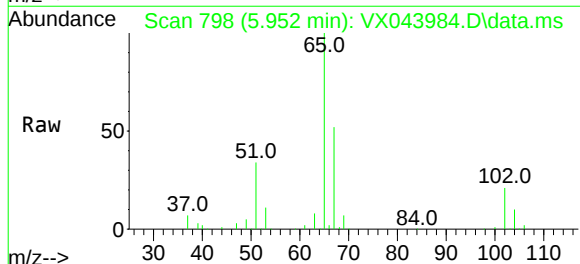
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SOIL-REF-6

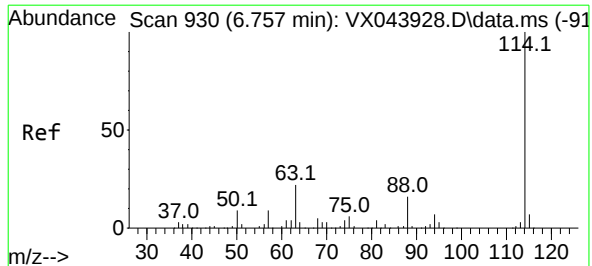
Tgt Ion: 168 Resp: 115325
Ion Ratio Lower Upper
168 100
99 64.3 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 51.432 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043984.D
Acq: 25 Nov 2024 14:17

Tgt Ion: 65 Resp: 101733
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043984.D

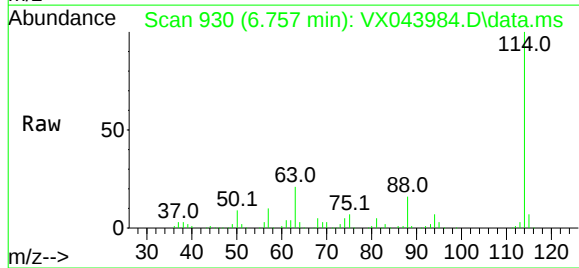
Acq: 25 Nov 2024 14:17

Instrument :

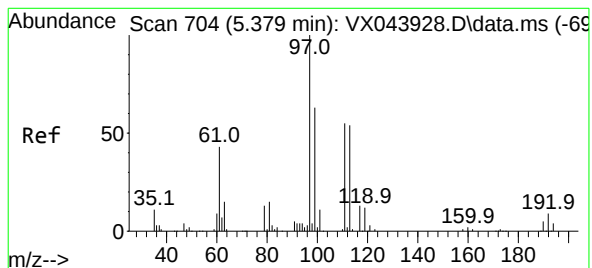
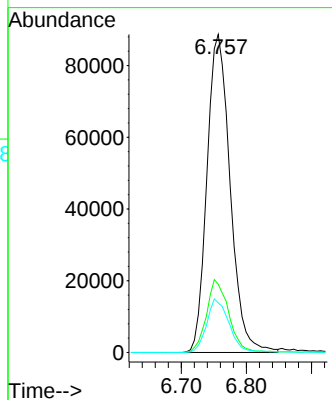
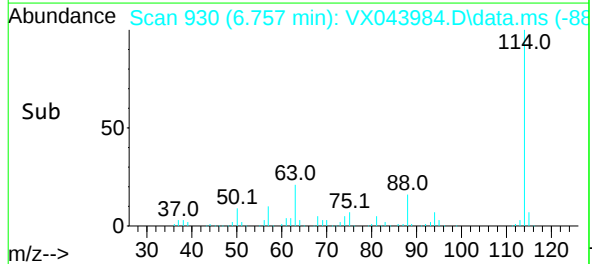
MSVOA_X

ClientSampleId :

Storage-Blank-SOIL-REF-6



Tgt Ion:	114	Resp:	219623
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.0
88	15.6	0.0	32.4



#35

Dibromofluoromethane

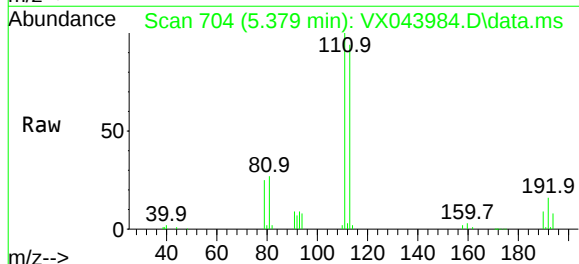
Concen: 47.165 ug/l

RT: 5.379 min Scan# 704

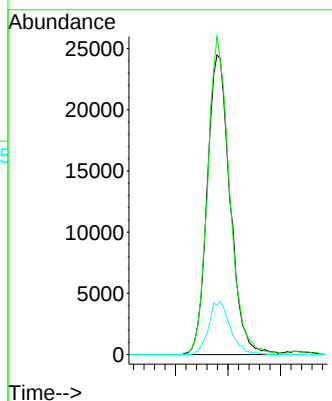
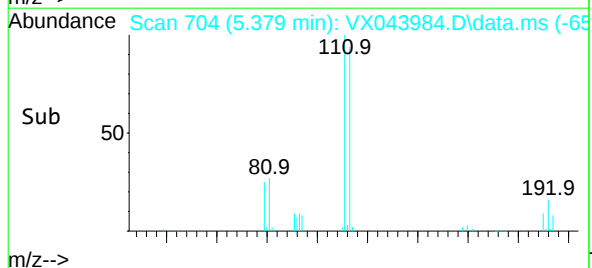
Delta R.T. -0.000 min

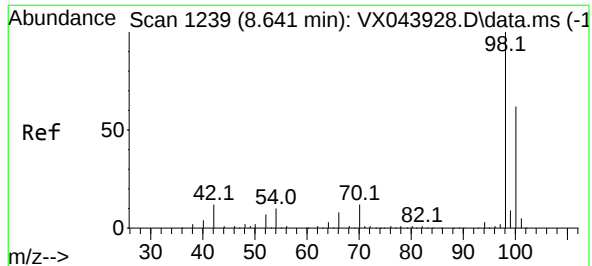
Lab File: VX043984.D

Acq: 25 Nov 2024 14:17



Tgt Ion:	113	Resp:	74017
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	16.9	13.0	19.6





#50

Toluene-d8

Concen: 49.692 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043984.D

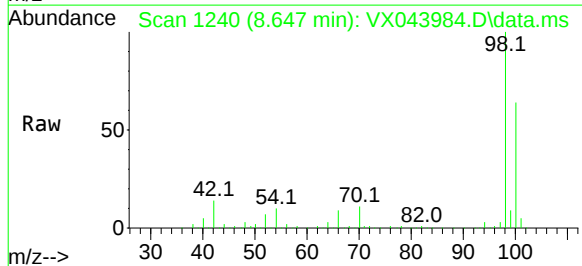
Acq: 25 Nov 2024 14:17

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-SOIL-REF-6

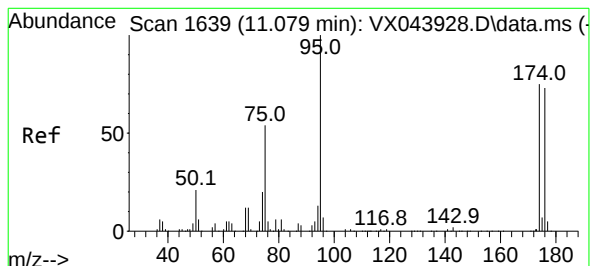
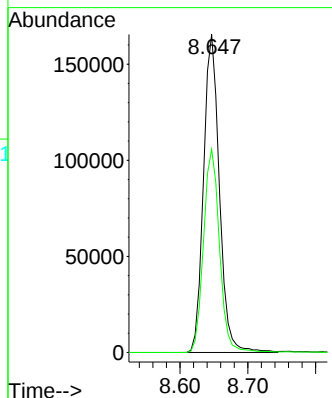
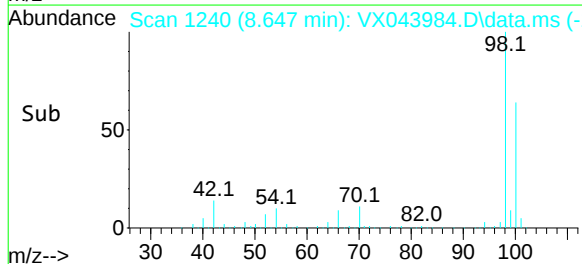


Tgt Ion: 98 Resp: 268813

Ion Ratio Lower Upper

98 100

100 64.3 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 47.827 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043984.D

Acq: 25 Nov 2024 14:17

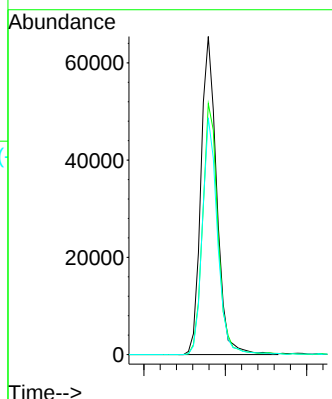
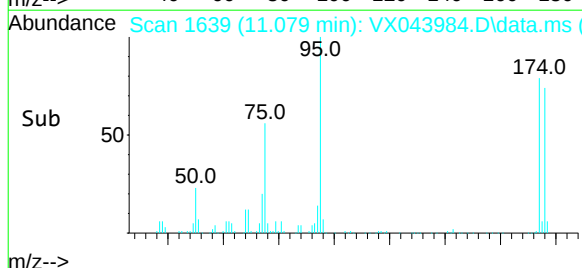
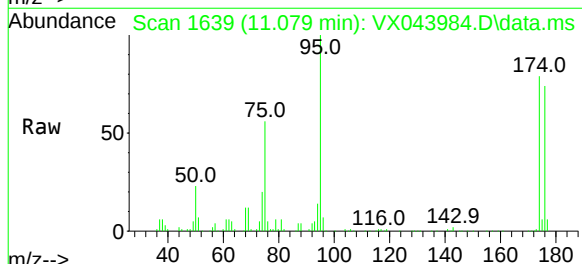
Tgt Ion: 95 Resp: 88052

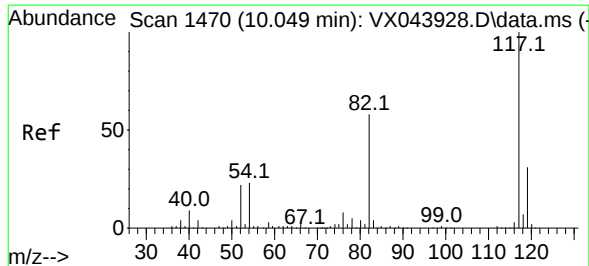
Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.4

176 71.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043984.D

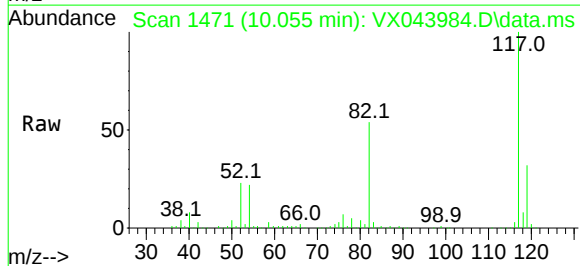
Acq: 25 Nov 2024 14:17

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-SOIL-REF-6



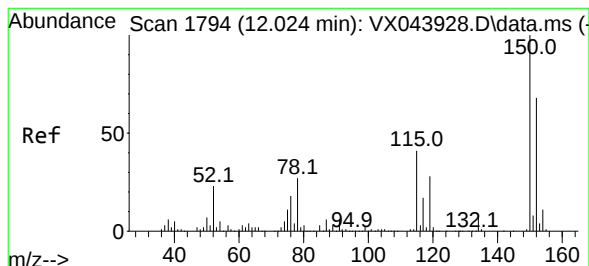
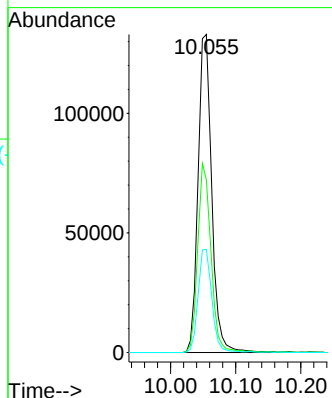
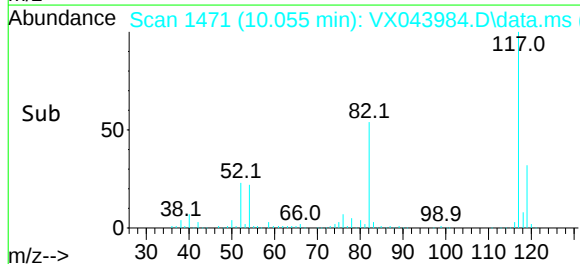
Tgt Ion:117 Resp: 194128

Ion Ratio Lower Upper

117 100

82 54.3 46.4 69.6

119 32.4 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043984.D

Acq: 25 Nov 2024 14:17

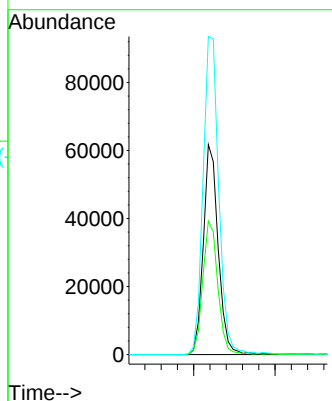
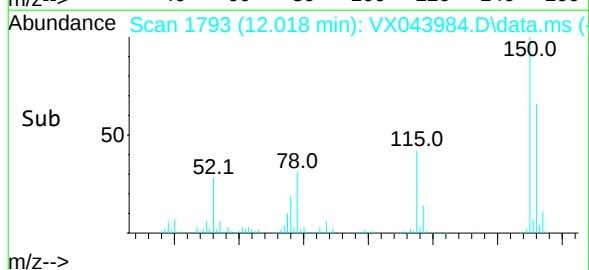
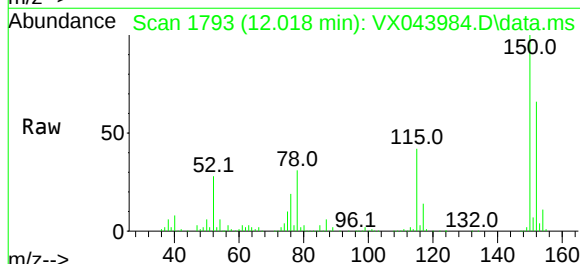
Tgt Ion:152 Resp: 78448

Ion Ratio Lower Upper

152 100

115 64.6 45.4 136.2

150 161.1 0.0 353.0



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4886
Lab Sample ID:	P4886-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043985.D	1		11/25/24 14:40	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	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
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4886
Lab Sample ID:	P4886-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043985.D	1		11/25/24 14:40	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	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
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4886
Lab Sample ID:	P4886-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043985.D	1		11/25/24 14:40	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	119000	5.544			
540-36-3	1,4-Difluorobenzene	226000	6.757			
3114-55-4	Chlorobenzene-d5	197000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	84400	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4886
Lab Sample ID:	P4886-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043985.D	1		11/25/24 14:40	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX112524\
 Data File : VX043985.D
 Acq On : 25 Nov 2024 14:40
 Operator : JC/MD
 Sample : P4886-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Storage-Blank-WATER-REF-5

Quant Time: Nov 26 00:48:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	119026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	226356	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100685	49.319	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.640%
35) Dibromofluoromethane	5.379	113	75345	46.583	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.160%
50) Toluene-d8	8.647	98	277795	49.825	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.640%
62) 4-Bromofluorobenzene	11.079	95	90384	47.634	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.260%

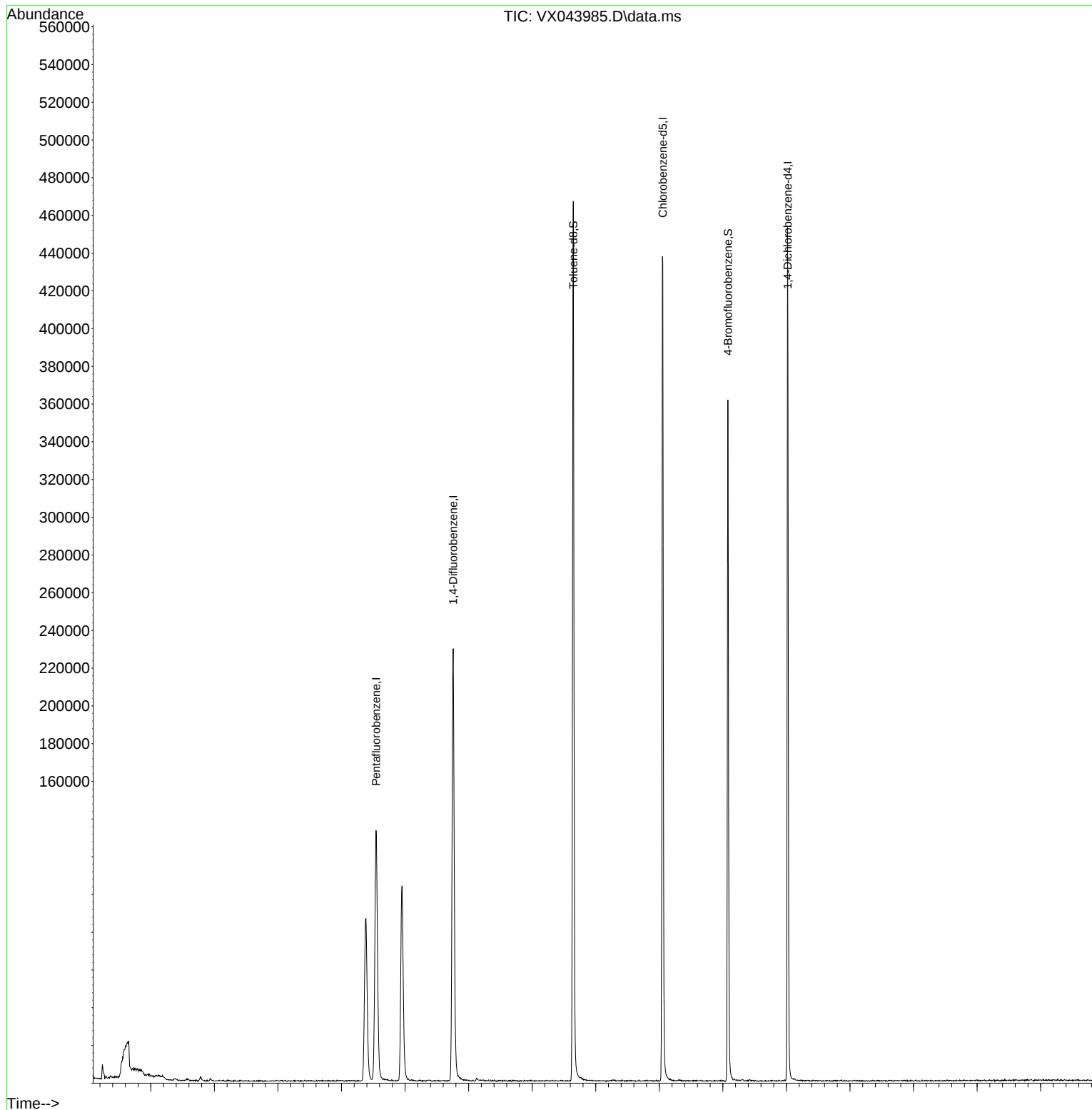
Target Compounds Qvalue

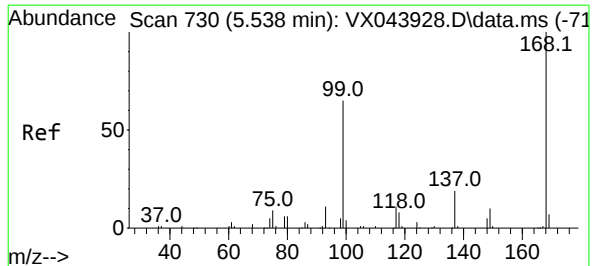
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043985.D
Acq On : 25 Nov 2024 14:40
Operator : JC/MD
Sample : P4886-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-5

Quant Time: Nov 26 00:48:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.006 min

Lab File: VX043985.D

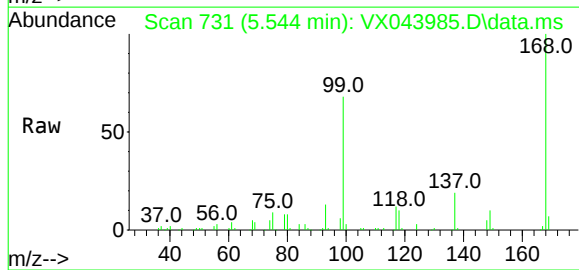
Acq: 25 Nov 2024 14:40

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-5

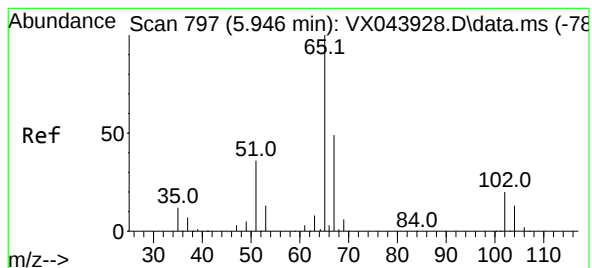
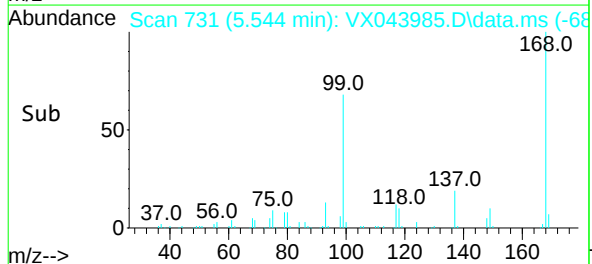
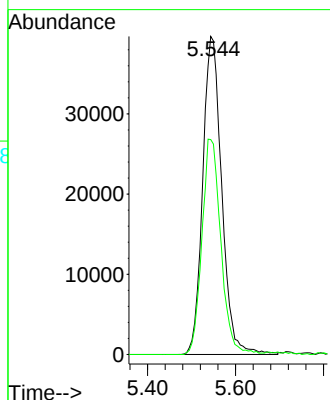


Tgt Ion:168 Resp: 119026

Ion Ratio Lower Upper

168 100

99 67.6 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 49.319 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043985.D

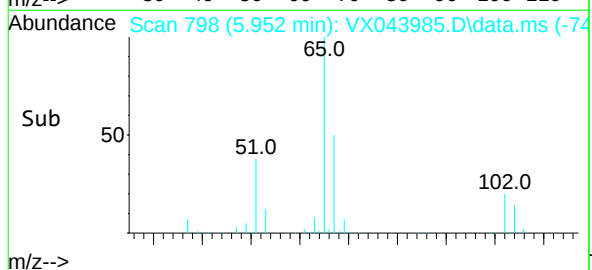
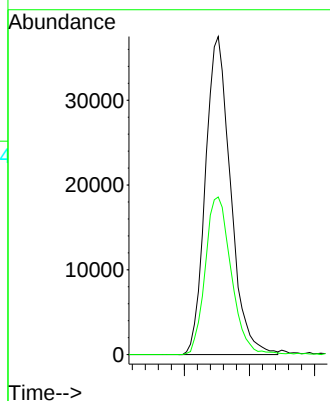
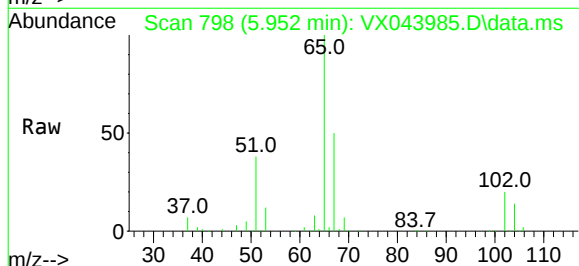
Acq: 25 Nov 2024 14:40

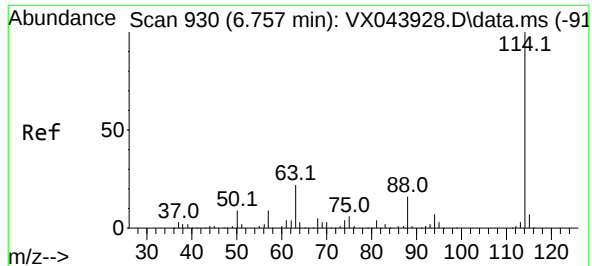
Tgt Ion: 65 Resp: 100685

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043985.D

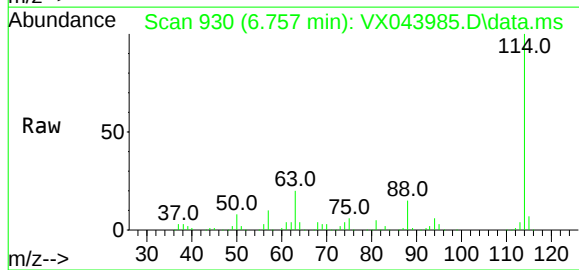
Acq: 25 Nov 2024 14:40

Instrument :

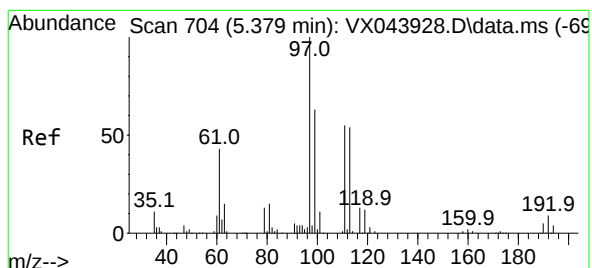
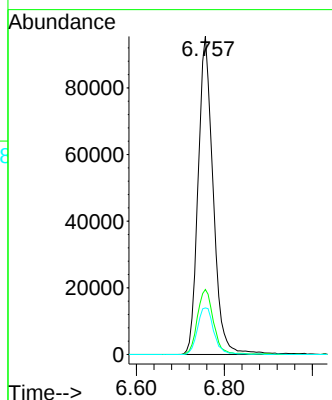
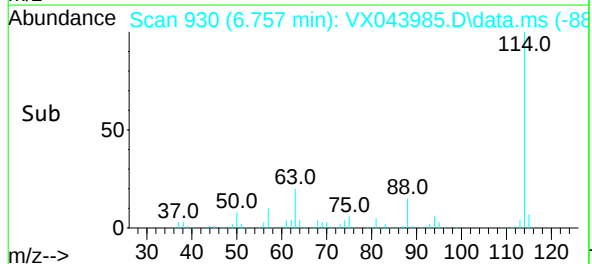
MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-5



Tgt Ion:	114	Resp:	226356
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	44.0
88	14.6	0.0	32.4



#35

Dibromofluoromethane

Concen: 46.583 ug/l

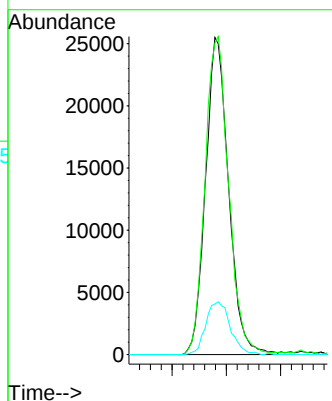
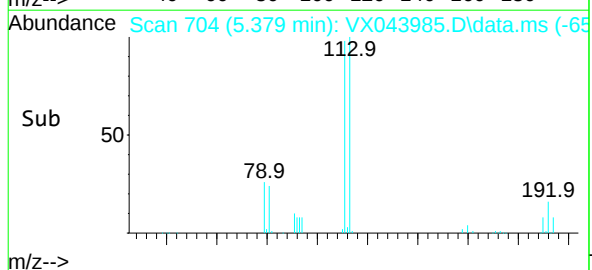
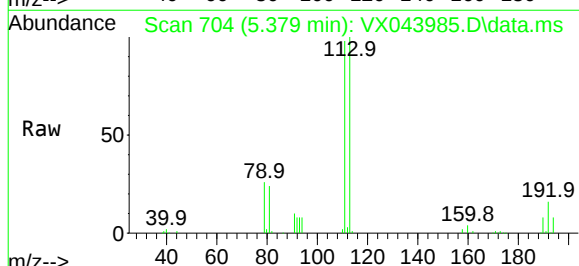
RT: 5.379 min Scan# 704

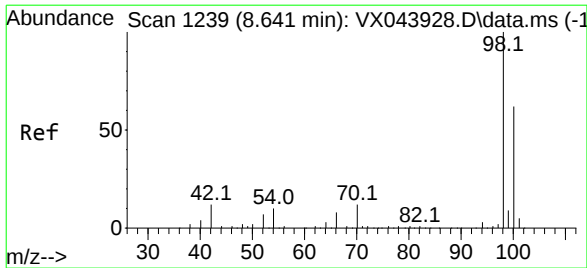
Delta R.T. -0.000 min

Lab File: VX043985.D

Acq: 25 Nov 2024 14:40

Tgt Ion:	113	Resp:	75345
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.4
192	17.7	13.0	19.6





#50

Toluene-d8

Concen: 49.825 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043985.D

Acq: 25 Nov 2024 14:40

Instrument :

MSVOA_X

ClientSampleId :

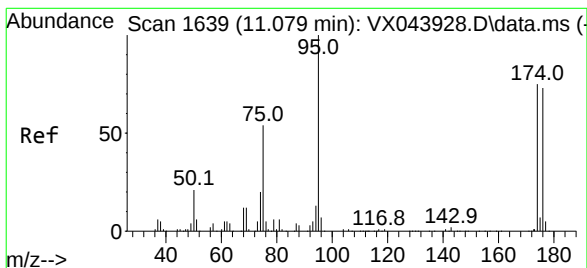
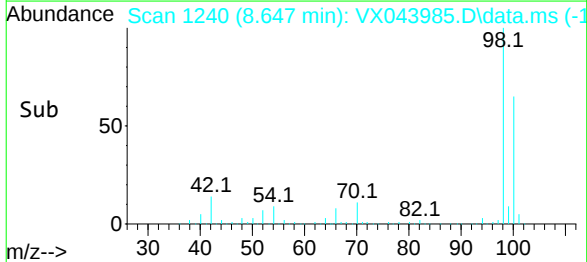
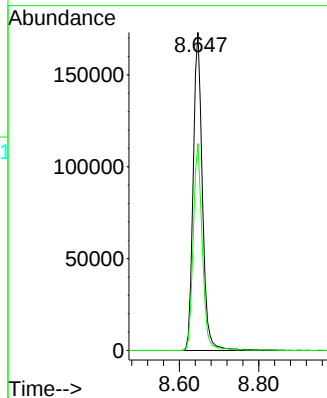
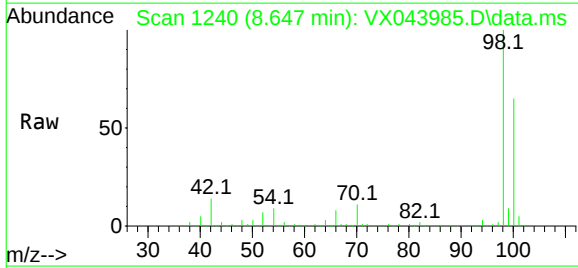
Storage-Blank-WATER-REF-5

Tgt Ion: 98 Resp: 277795

Ion Ratio Lower Upper

98 100

100 63.9 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 47.634 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043985.D

Acq: 25 Nov 2024 14:40

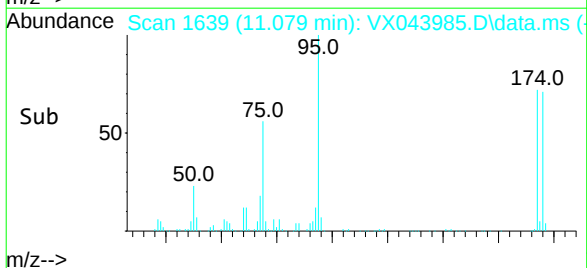
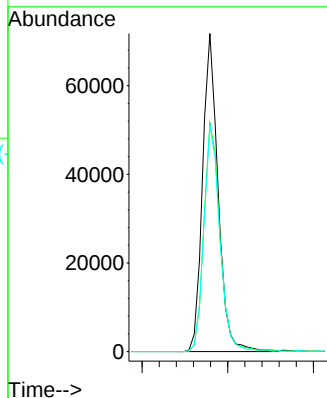
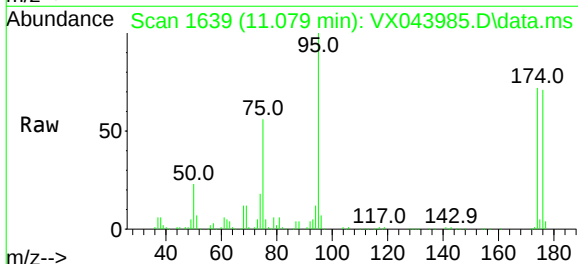
Tgt Ion: 95 Resp: 90384

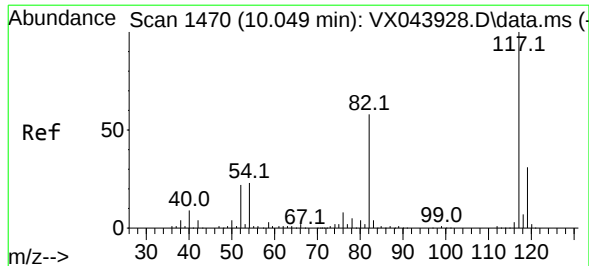
Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 73.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043985.D

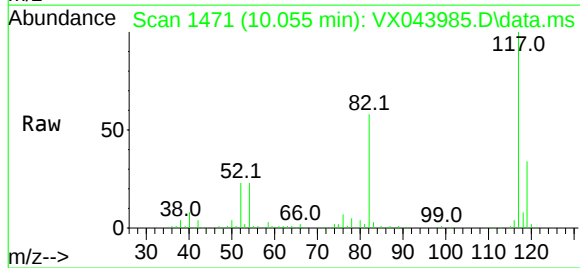
Acq: 25 Nov 2024 14:40

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-5



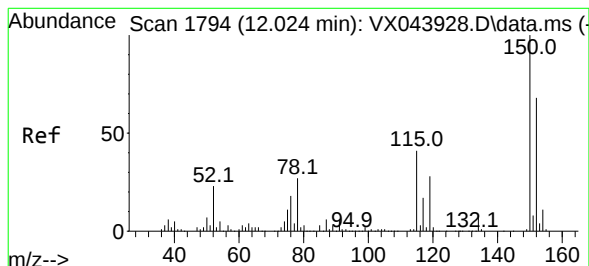
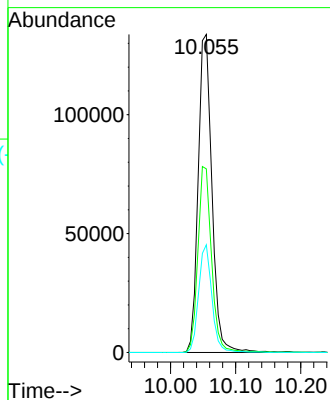
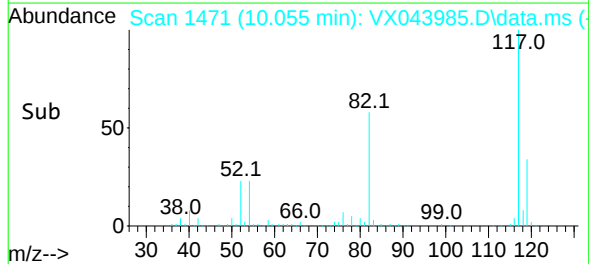
Tgt Ion:117 Resp: 196892

Ion Ratio Lower Upper

117 100

82 57.7 46.4 69.6

119 33.9 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043985.D

Acq: 25 Nov 2024 14:40

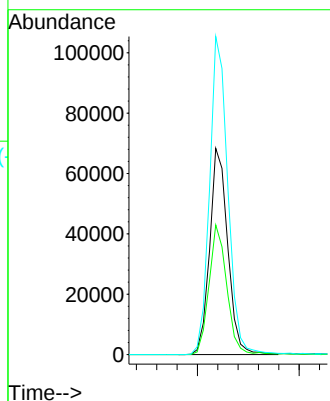
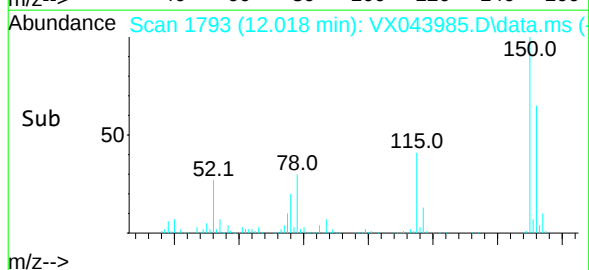
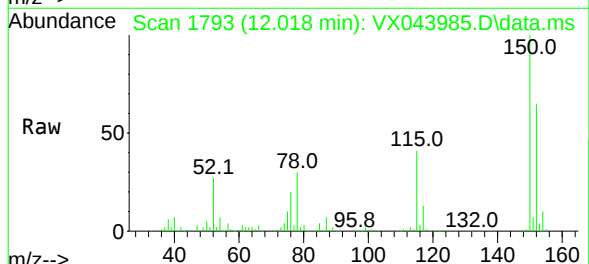
Tgt Ion:152 Resp: 84391

Ion Ratio Lower Upper

152 100

115 62.2 45.4 136.2

150 156.1 0.0 353.0



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4886
Lab Sample ID:	P4886-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043986.D	1		11/25/24 15:03	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	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
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4886
Lab Sample ID:	P4886-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043986.D	1		11/25/24 15:03	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	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
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4886
Lab Sample ID:	P4886-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043986.D	1		11/25/24 15:03	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	49.4		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	112000	5.55			
540-36-3	1,4-Difluorobenzene	215000	6.757			
3114-55-4	Chlorobenzene-d5	187000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	75400	12.018			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4886
Lab Sample ID:	P4886-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043986.D	1		11/25/24 15:03	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX112524\
Data File : VX043986.D
Acq On : 25 Nov 2024 15:03
Operator : JC/MD
Sample : P4886-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Time: Nov 26 00:48:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	111702	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	214805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	187487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96245	50.235	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	100.480%	
35) Dibromofluoromethane	5.379	113	71352	46.487	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	92.980%	
50) Toluene-d8	8.647	98	261482	49.421	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	98.840%	
62) 4-Bromofluorobenzene	11.079	95	85344	47.396	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	94.800%	

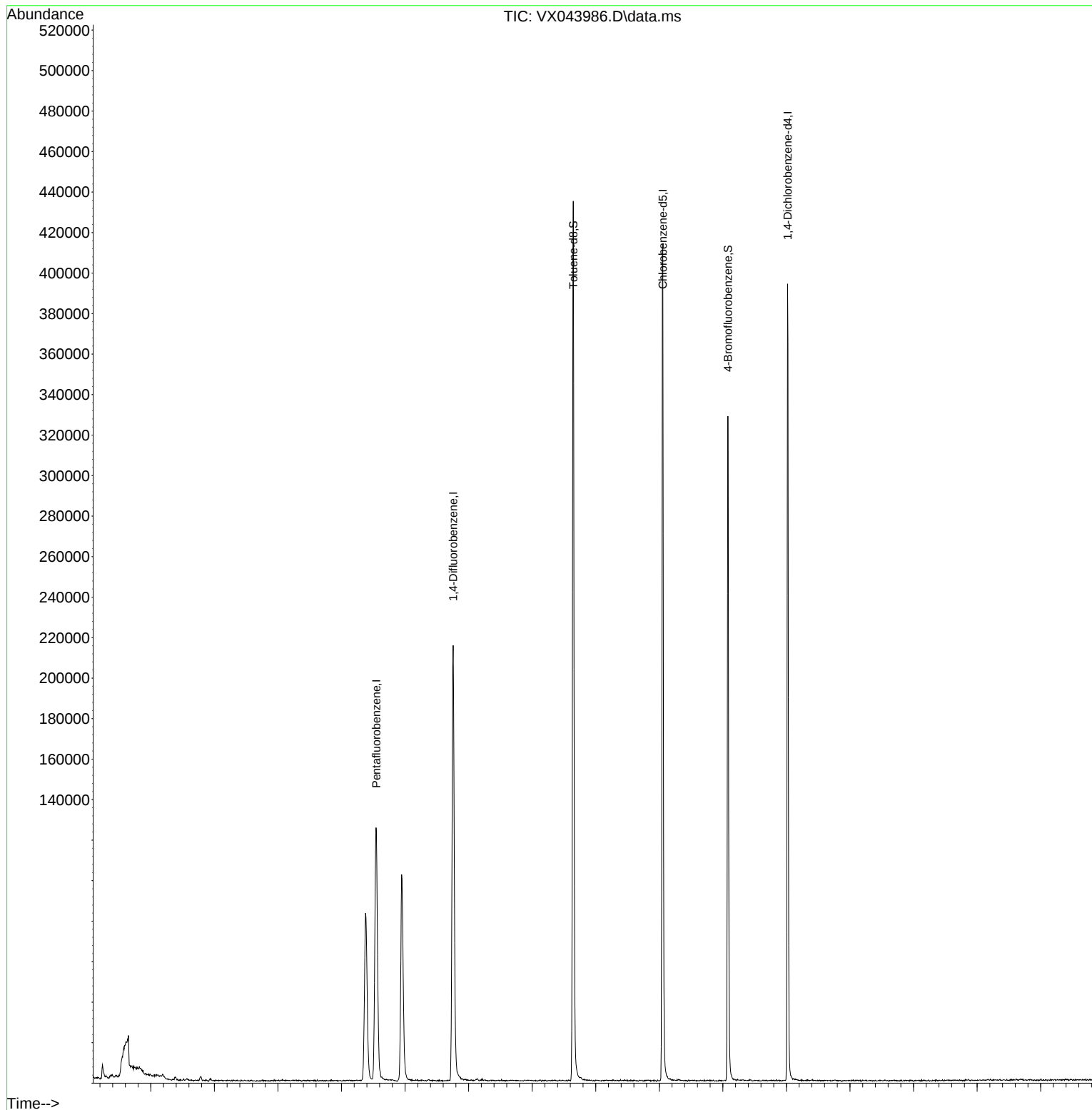
Target Compounds	Qvalue

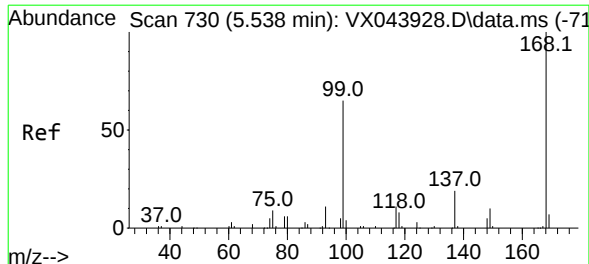
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043986.D
Acq On : 25 Nov 2024 15:03
Operator : JC/MD
Sample : P4886-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Time: Nov 26 00:48:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 73

Delta R.T. 0.012 min

Lab File: VX043986.D

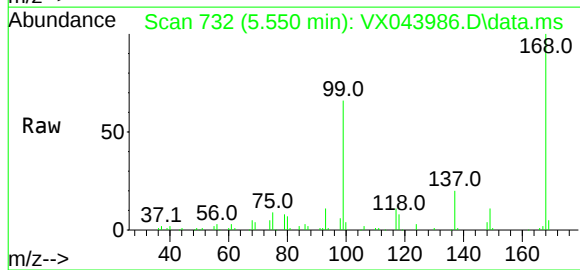
Acq: 25 Nov 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-4

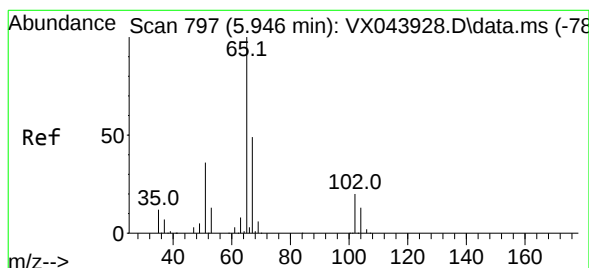
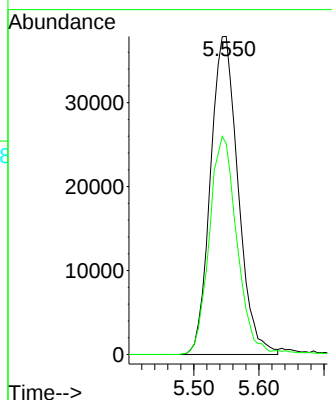
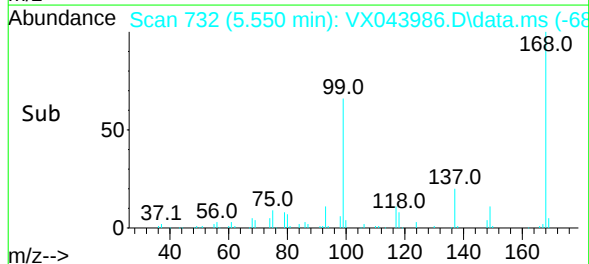


Tgt Ion:168 Resp: 111702

Ion Ratio Lower Upper

168 100

99 66.3 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 50.235 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX043986.D

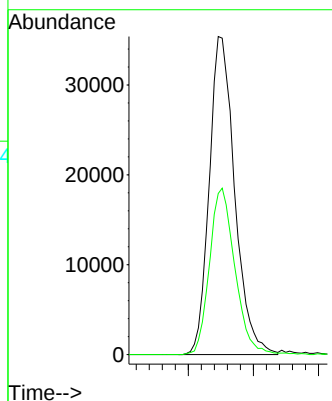
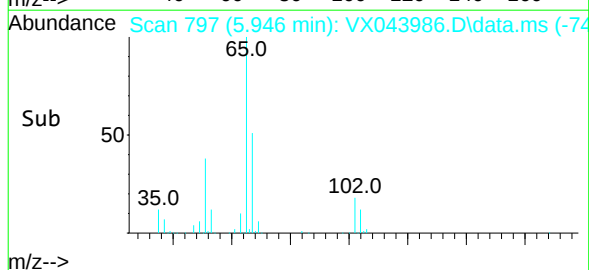
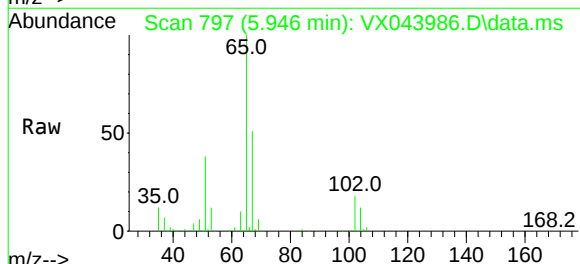
Acq: 25 Nov 2024 15:03

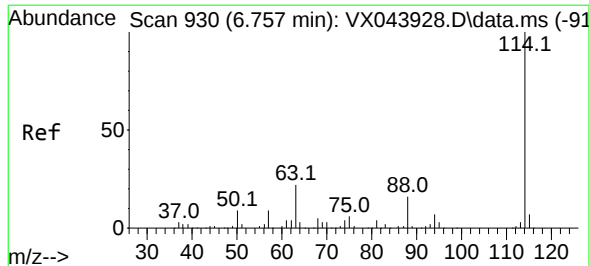
Tgt Ion: 65 Resp: 96245

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043986.D

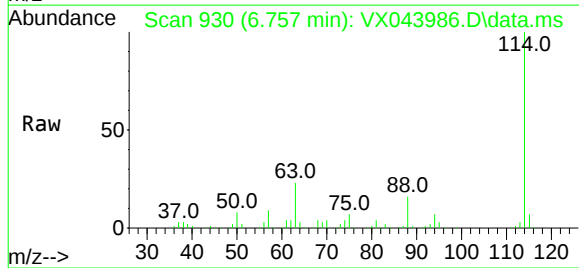
Acq: 25 Nov 2024 15:03

Instrument :

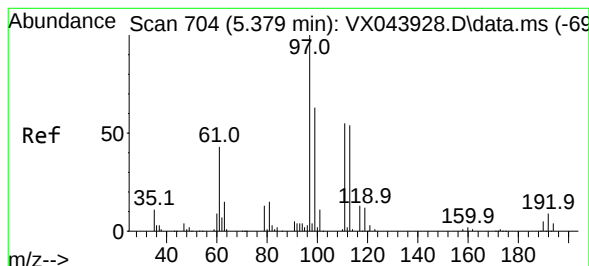
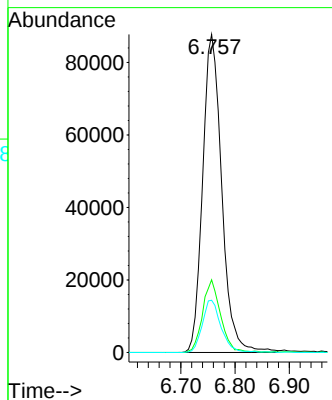
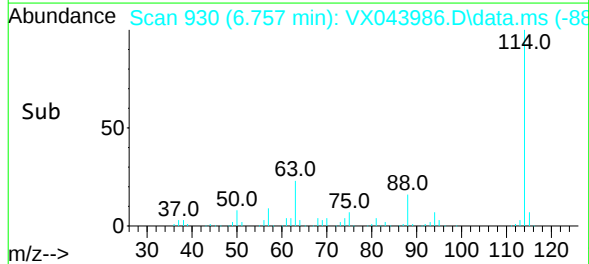
MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-4



Tgt Ion:	114	Resp:	214805
Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.0
88	16.4	0.0	32.4



#35

Dibromofluoromethane

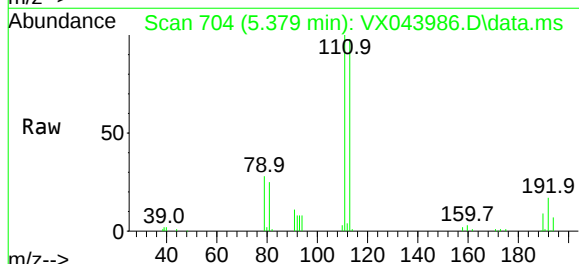
Concen: 46.487 ug/l

RT: 5.379 min Scan# 704

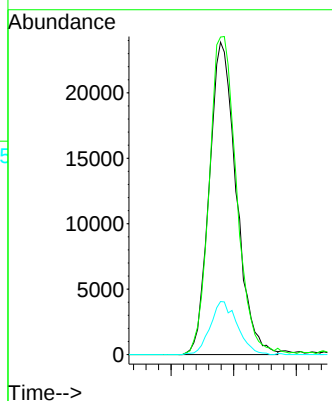
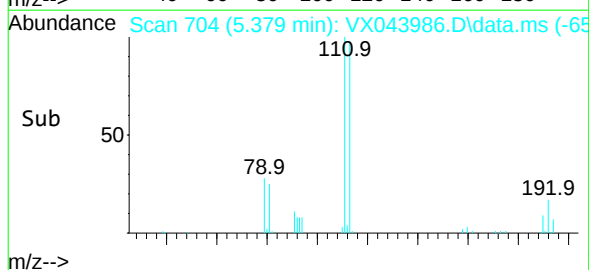
Delta R.T. -0.000 min

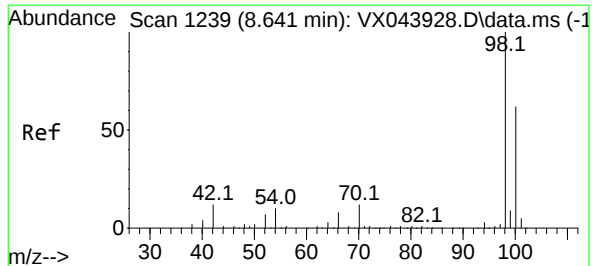
Lab File: VX043986.D

Acq: 25 Nov 2024 15:03



Tgt Ion:	113	Resp:	71352
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.0	121.4
192	17.1	13.0	19.6





#50

Toluene-d8

Concen: 49.421 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043986.D

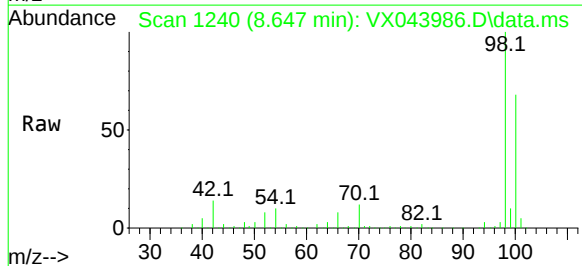
Acq: 25 Nov 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-4

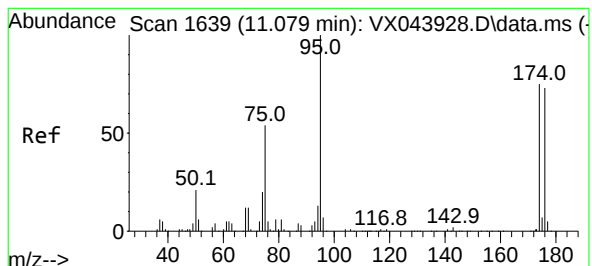
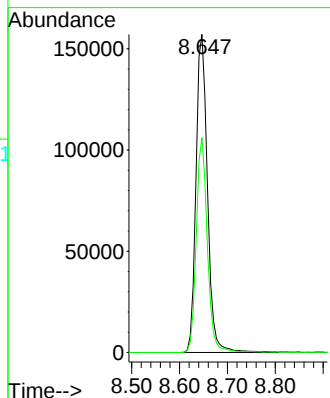
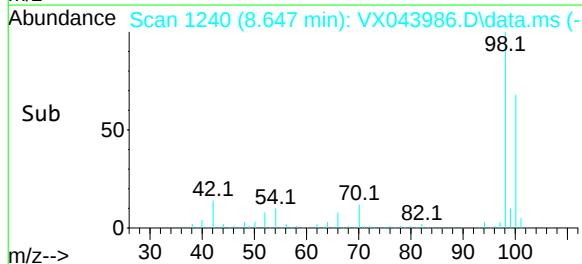


Tgt Ion: 98 Resp: 261482

Ion Ratio Lower Upper

98 100

100 64.8 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 47.396 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043986.D

Acq: 25 Nov 2024 15:03

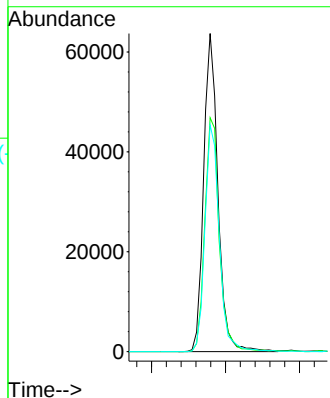
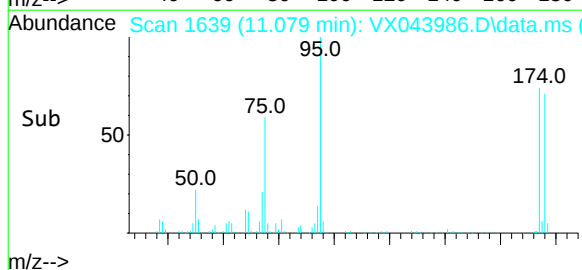
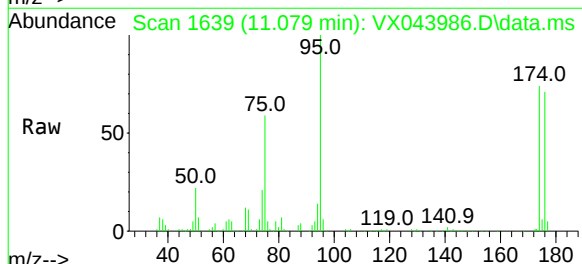
Tgt Ion: 95 Resp: 85344

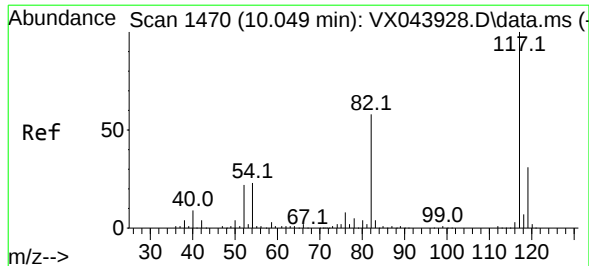
Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

176 71.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043986.D

Acq: 25 Nov 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-WATER-REF-4

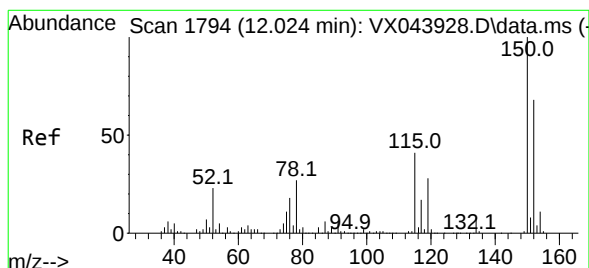
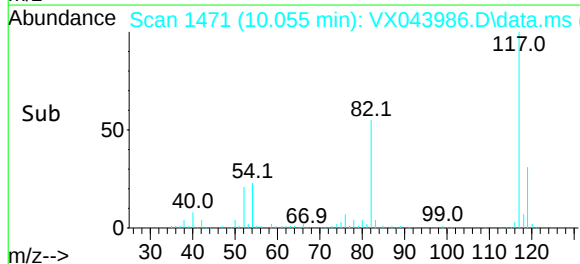
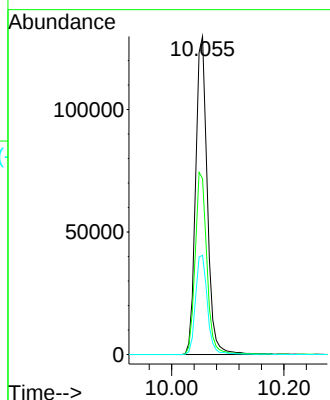
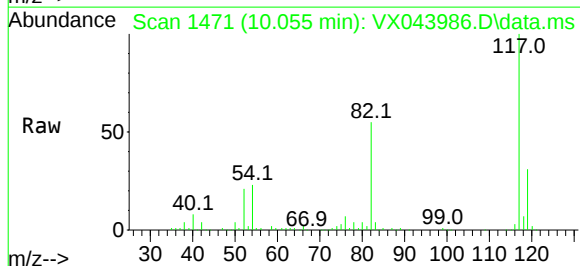
Tgt Ion:117 Resp: 187487

Ion Ratio Lower Upper

117 100

82 55.3 46.4 69.6

119 31.2 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043986.D

Acq: 25 Nov 2024 15:03

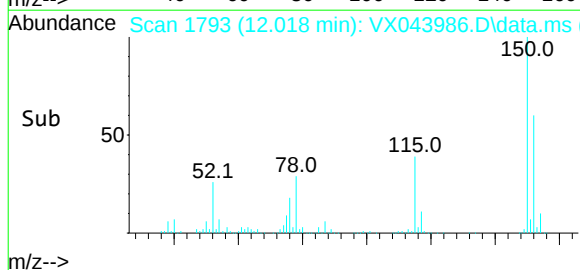
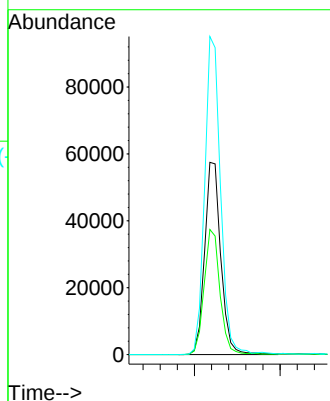
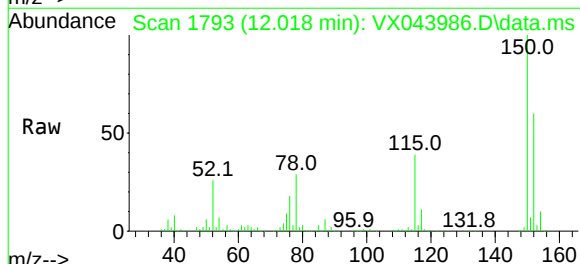
Tgt Ion:152 Resp: 75443

Ion Ratio Lower Upper

152 100

115 63.9 45.4 136.2

150 161.2 0.0 353.0



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4886
Lab Sample ID:	P4886-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043987.D	1		11/25/24 15:26	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	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
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4886
Lab Sample ID:	P4886-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043987.D	1		11/25/24 15:26	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	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
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4886
Lab Sample ID:	P4886-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043987.D	1		11/25/24 15:26	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	117000	5.544			
540-36-3	1,4-Difluorobenzene	217000	6.757			
3114-55-4	Chlorobenzene-d5	195000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	82700	12.024			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/15/24
Project:	Weekly Storage Blanks	Date Received:	11/15/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4886
Lab Sample ID:	P4886-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043987.D	1		11/25/24 15:26	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX112524\
 Data File : VX043987.D
 Acq On : 25 Nov 2024 15:26
 Operator : JC/MD
 Sample : P4886-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Nov 26 00:49:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	116995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	217462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100682	50.174	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	100.340%	
35) Dibromofluoromethane	5.385	113	73801	47.495	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.980%	
50) Toluene-d8	8.647	98	269999	50.407	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.820%	
62) 4-Bromofluorobenzene	11.079	95	90835	49.829	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.660%	

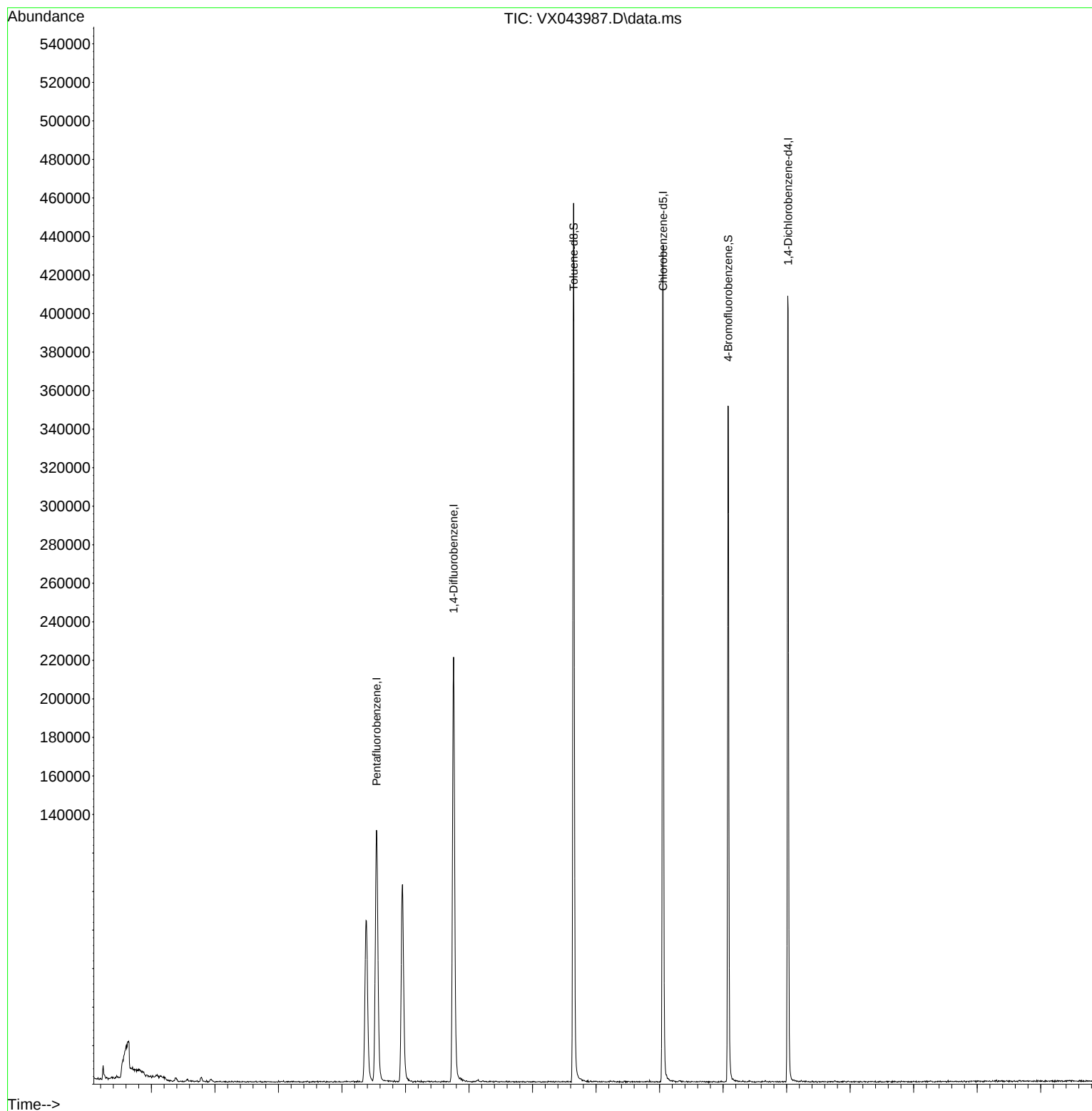
Target Compounds Qvalue

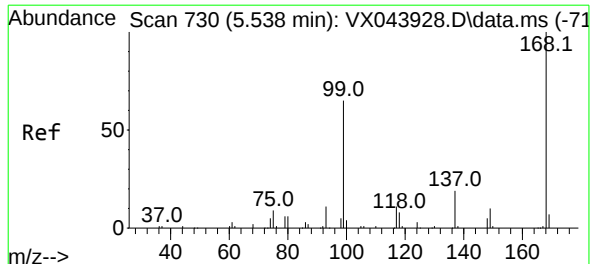
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043987.D
Acq On : 25 Nov 2024 15:26
Operator : JC/MD
Sample : P4886-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Nov 26 00:49:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.006 min

Lab File: VX043987.D

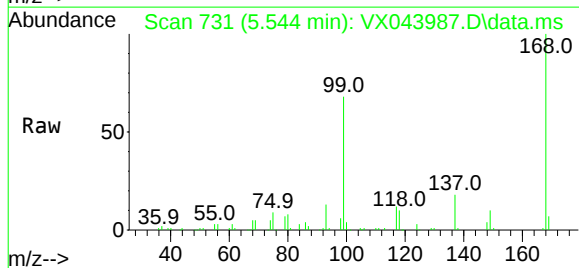
Acq: 25 Nov 2024 15:26

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

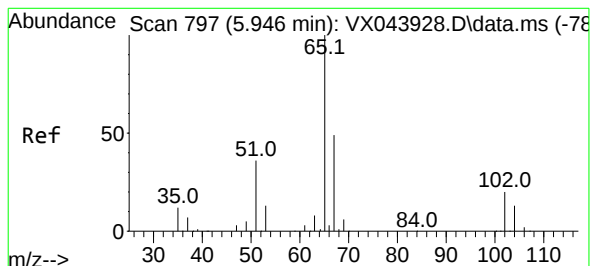
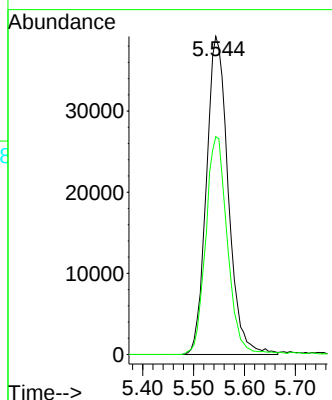
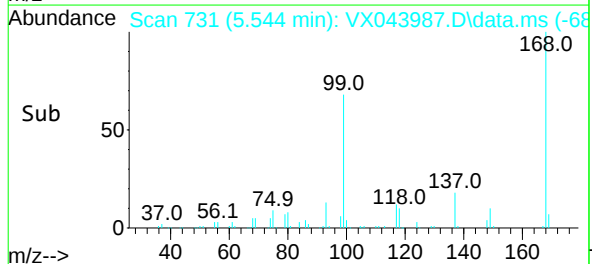


Tgt Ion:168 Resp: 116995

Ion Ratio Lower Upper

168 100

99 68.5 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 50.174 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043987.D

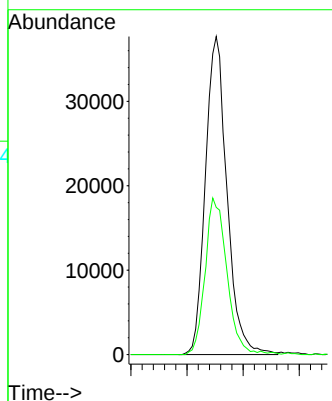
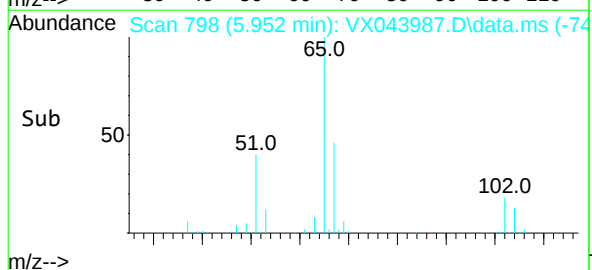
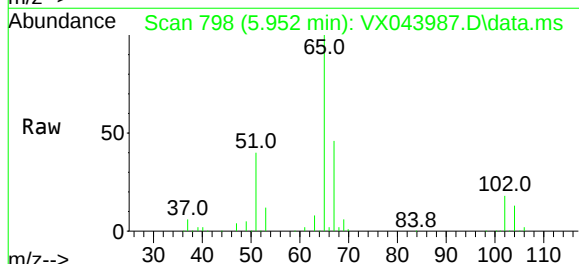
Acq: 25 Nov 2024 15:26

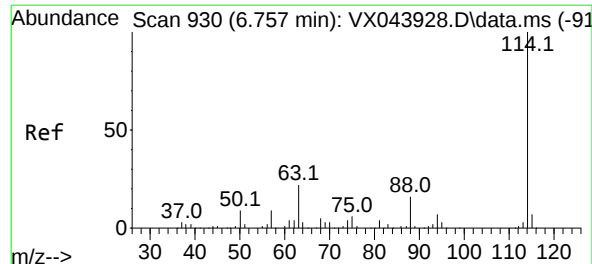
Tgt Ion: 65 Resp: 100682

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX043987.D

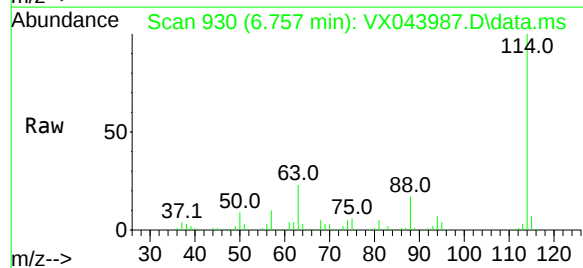
Acq: 25 Nov 2024 15:26

Instrument :

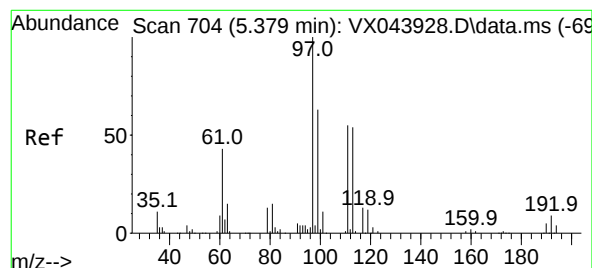
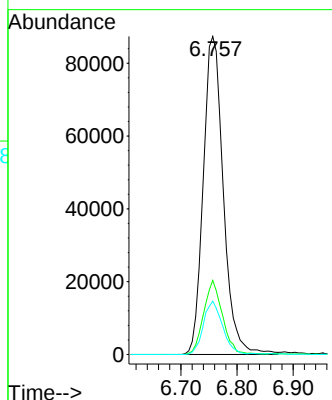
MSVOA_X

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT



Tgt Ion:	114	Resp:	217462
Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	44.0
88	16.8	0.0	32.4



#35

Dibromofluoromethane

Concen: 47.495 ug/l

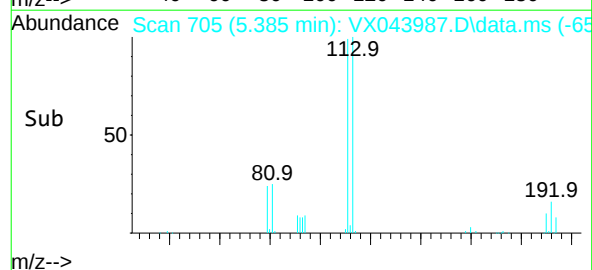
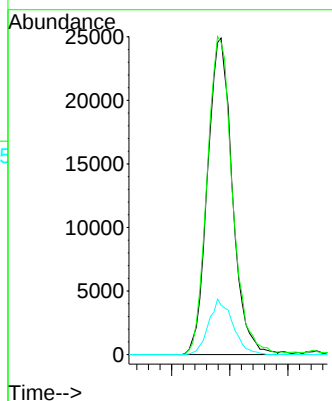
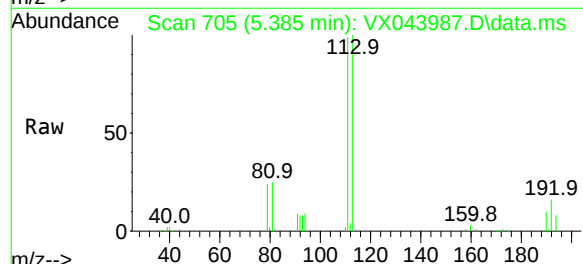
RT: 5.385 min Scan# 705

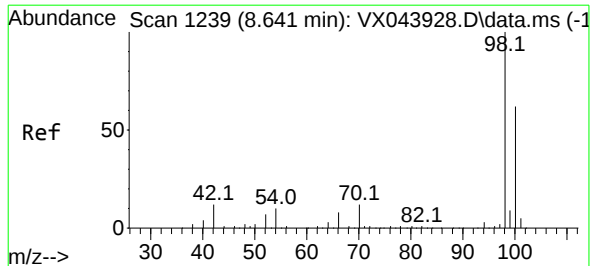
Delta R.T. 0.006 min

Lab File: VX043987.D

Acq: 25 Nov 2024 15:26

Tgt Ion:	113	Resp:	73801
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.0	121.4
192	17.1	13.0	19.6





#50

Toluene-d8

Concen: 50.407 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX043987.D

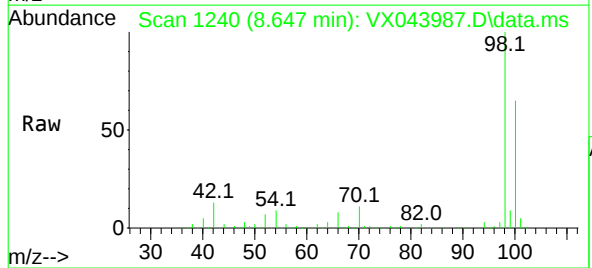
Acq: 25 Nov 2024 15:26

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

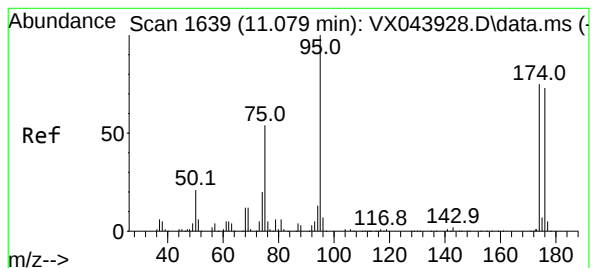
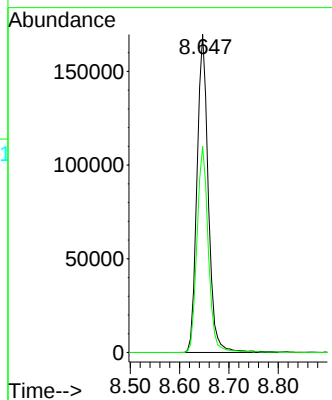
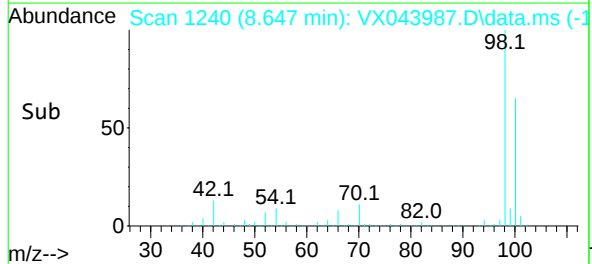


Tgt Ion: 98 Resp: 269999

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 49.829 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043987.D

Acq: 25 Nov 2024 15:26

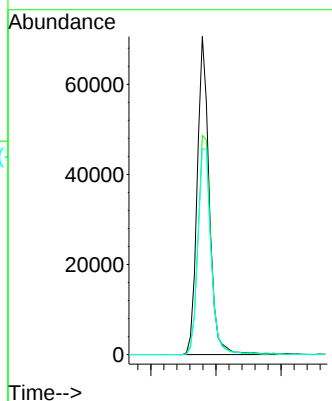
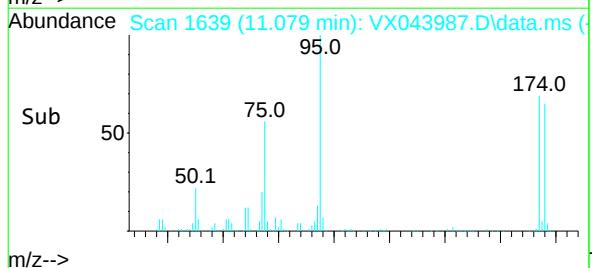
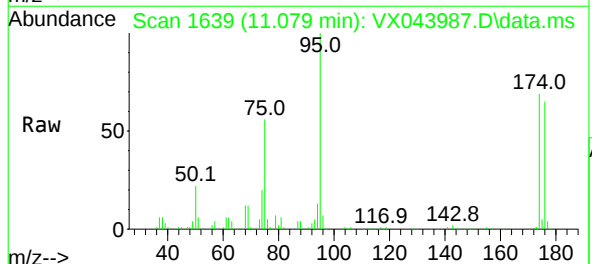
Tgt Ion: 95 Resp: 90835

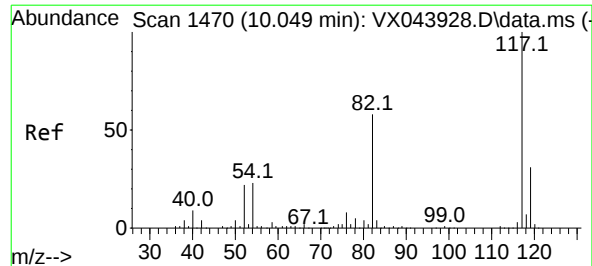
Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.4

176 70.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043987.D

Acq: 25 Nov 2024 15:26

Instrument :

MSVOA_X

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

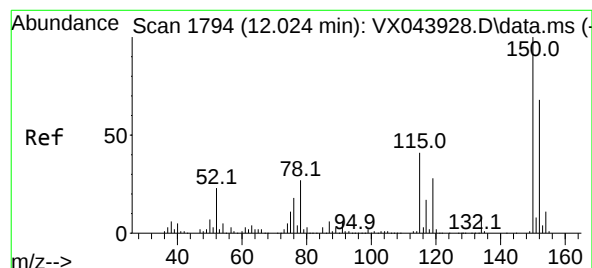
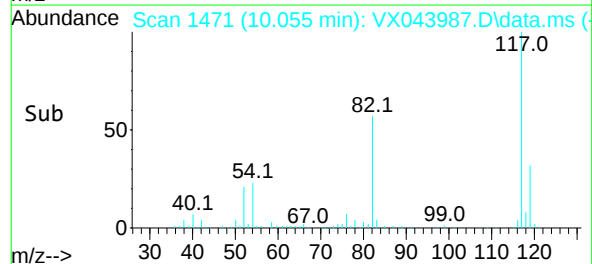
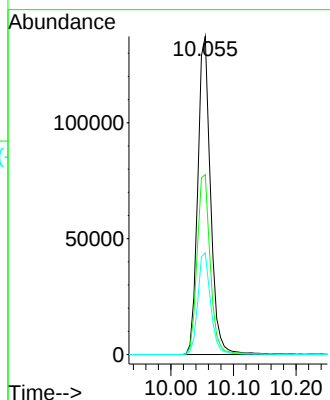
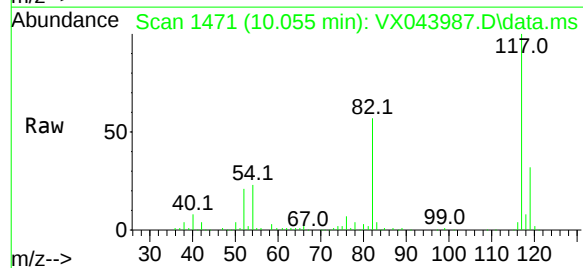
Tgt Ion:117 Resp: 194965

Ion Ratio Lower Upper

117 100

82 56.5 46.4 69.6

119 32.0 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043987.D

Acq: 25 Nov 2024 15:26

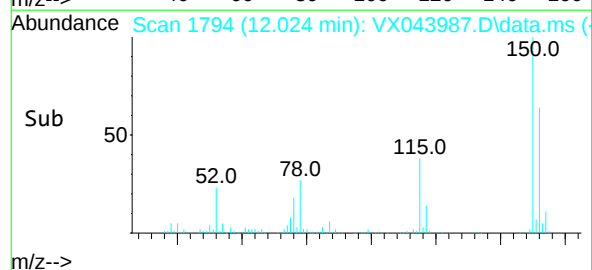
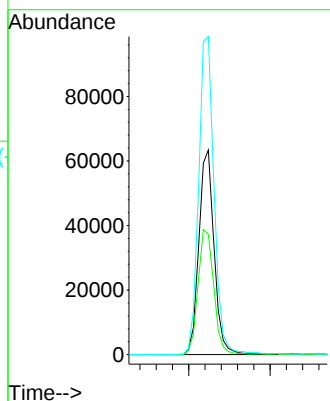
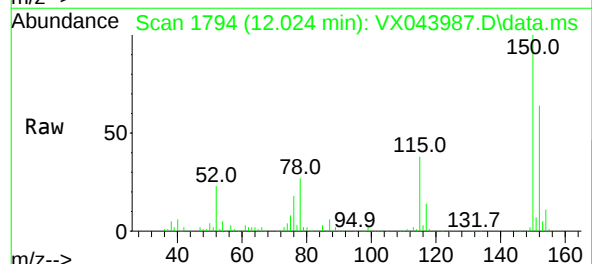
Tgt Ion:152 Resp: 82714

Ion Ratio Lower Upper

152 100

115 62.9 45.4 136.2

150 156.8 0.0 353.0





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG No.: P4886
 Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043925.D		RRF005 = VX043926.D		RRF020 = VX043927.D			
		RRF050 = VX043928.D		RRF100 = VX043929.D		RRF150 = VX043930.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.6	
Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.3	
Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.6	
Ethyl Acetate	0.517	0.549	0.549	0.610	0.539	0.552	0.553	5.6	
Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	2	
Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.9	
Trichlorofluoromethane	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.3	
1,1,2-Trichlorotrifluoroethane	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.5	
Tert butyl alcohol		0.123	0.133	0.145	0.134	0.154	0.138	8.7	
1,1-Dichloroethene	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.4	
Acrolein		0.158	0.128	0.145	0.145	0.148	0.145	7.5	
Acrylonitrile	0.301	0.322	0.343	0.370	0.332	0.345	0.335	7	
Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.4	
Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.6	
Methyl tert-butyl Ether	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.5	
Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.3	
Methylene Chloride	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.3	
trans-1,2-Dichloroethene	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.7	
Vinyl Acetate	1.245	1.542	1.833	1.941	1.858	1.914	1.722	15.9	
1,1-Dichloroethane	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.6	
Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.6	
2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.1	
Carbon Tetrachloride	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.7	
2,2-Dichloropropane	0.902	0.997	1.062	1.141	1.082	1.109	1.049	8.3	
cis-1,2-Dichloroethene	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.8	
Bromochloromethane	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.7	
Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.4	
1,1,1-Trichloroethane	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.9	
Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.9	
1,1-Dichloropropene	0.382	0.430	0.449	0.494	0.452	0.465	0.445	8.4	

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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG No.: P4886
 Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043925.D		RRF005 = VX043926.D		RRF020 = VX043927.D			
		RRF050 = VX043928.D		RRF100 = VX043929.D		RRF150 = VX043930.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7	
1,2-Dichloroethane	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.4	
Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.5	
1,2-Dichloropropane	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.8	
Dibromomethane	0.239	0.240	0.280	0.293	0.276	0.284	0.269	8.6	
Bromodichloromethane	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.4	
4-Methyl-2-Pentanone	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.4	
Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12	
t-1,3-Dichloropropene	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.2	
cis-1,3-Dichloropropene	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.4	
1,1,2-Trichloroethane	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.1	
1,3-Dichloropropane	0.480	0.574	0.620	0.625	0.579	0.585	0.577	9	
2-Chloroethyl Vinyl ether	0.159	0.327	0.276	0.307	0.284	0.287	0.273	21.6	
2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.5	
Dibromochloromethane	0.249	0.292	0.344	0.396	0.380	0.401	0.344	18	
1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.3	
Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.1	
Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.1	
1,1,1,2-Tetrachloroethane	0.260	0.332	0.371	0.395	0.382	0.396	0.356	14.8	
Hexachloroethane	0.450	0.443	0.496	0.588	0.581	0.625	0.530	14.6	
Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.2	
m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.6	
o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.7	
Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.5	
Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.9	
Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.3	
1,1,2,2-Tetrachloroethane	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.7	
1,2,3-Trichloropropane	0.863	1.246	1.153	1.181	1.053	1.084	1.096	12.2	
Bromobenzene	0.794	0.958	0.955	0.975	0.883	0.936	0.917	7.4	
n-propylbenzene	3.667	4.115	4.469	4.733	4.286	4.486	4.293	8.6	

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



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VOLATILE ORGANICS INITIAL CALIBRATION DATA

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 Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG No.: P4886
 Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043925.D		RRF005 = VX043926.D		RRF020 = VX043927.D			
		RRF050 = VX043928.D		RRF100 = VX043929.D		RRF150 = VX043930.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
2-Chlorotoluene	2.487	2.766	2.868	2.857	2.581	2.726	2.714	5.6	
1,3,5-Trimethylbenzene	2.704	3.115	3.352	3.444	3.118	3.238	3.162	8.2	
4-Chlorotoluene	2.660	3.005	3.187	3.329	3.025	3.180	3.064	7.5	
tert-Butylbenzene	2.581	3.097	3.266	3.440	3.152	3.269	3.134	9.4	
1,2,4-Trimethylbenzene	2.557	3.173	3.366	3.440	3.124	3.228	3.148	9.9	
sec-Butylbenzene	3.116	3.921	3.968	4.249	3.812	3.974	3.840	10	
p-Isopropyltoluene	2.255	3.043	3.316	3.521	3.219	3.362	3.119	14.5	
1,3-Dichlorobenzene	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.9	
1,4-Dichlorobenzene	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.1	
n-Butylbenzene	1.897	2.580	2.805	3.184	2.909	3.126	2.750	17.2	
1,2-Dichlorobenzene	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.8	
1,2-Dibromo-3-Chloropropane	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12	
1,2,4-Trichlorobenzene	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.5	
Hexachlorobutadiene	0.382	0.384	0.376	0.411	0.384	0.419	0.393	4.5	
Naphthalene	2.605	3.361	3.698	4.005	3.733	4.058	3.576	15	
1,2,3-Trichlorobenzene	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.8	
1,2-Dichloroethane-d4		0.926	0.876	0.751	0.855	0.880	0.858	7.6	
Dibromofluoromethane		0.371	0.353	0.327	0.359	0.376	0.357	5.4	
Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.6	
4-Bromofluorobenzene		0.401	0.414	0.387	0.438	0.455	0.419	6.6	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X112124W.M
 Title : SW846 8260
 Last Update : Fri Nov 22 03:45:52 2024
 Response Via : Initial Calibration

Calibration Files

1 =VX043925.D 5 =VX043926.D 20 =VX043927.D 50 =VX043928.D 100 =VX043929.D 150 =VX043930.

D

	Compound	1	5	20	50	100	150	Avg	%RSD

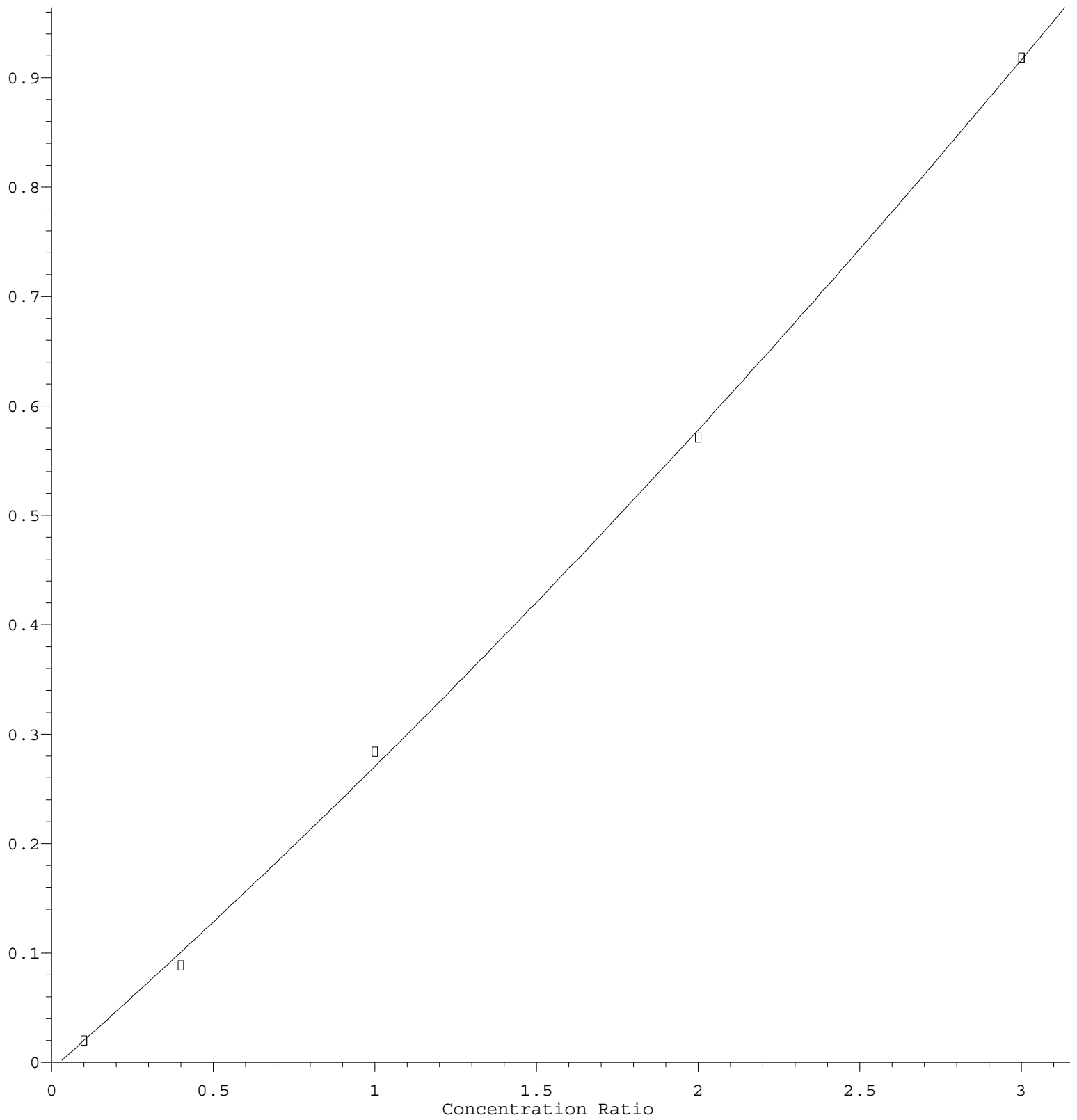
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.634	0.633	0.641	0.684	0.601	0.608	0.633	4.64
3) P	Chloromethane	0.578	0.662	0.720	0.697	0.665	0.677	0.667	7.26
4) C	Vinyl Chloride	0.675	0.708	0.730	0.762	0.695	0.684	0.709	4.56#
5) T	Bromomethane		0.425	0.438	0.445	0.429	0.442	0.436	1.95
6) T	Chloroethane	0.579	0.429	0.404	0.459	0.368	0.354	0.432	18.87
7) T	Trichlorofluor...	1.038	1.267	1.335	1.357	1.281	1.328	1.268	9.27
8) T	Diethyl Ether	0.477	0.430	0.470	0.474	0.455	0.467	0.462	3.80
9) T	1,1,2-Trichlor...	0.592	0.585	0.605	0.658	0.589	0.599	0.605	4.47
10) T	Methyl Iodide		0.656	0.782	0.809	0.773	0.755	0.755	7.75
11) T	Tert butyl alc...		0.123	0.133	0.145	0.134	0.154	0.138	8.73
12) CM	1,1-Dichloroet...	0.596	0.530	0.585	0.600	0.572	0.576	0.576	4.38#
13) T	Acrolein		0.158	0.128	0.145	0.145	0.148	0.145	7.53
14) T	Allyl chloride	0.796	0.854	0.964	1.044	0.998	0.993	0.941	10.17
15) T	Acrylonitrile	0.301	0.322	0.343	0.370	0.332	0.345	0.335	6.97
16) T	Acetone	0.401	0.396	0.401	0.425	0.370	0.370	0.394	5.39
17) T	Carbon Disulfide	1.082	0.956	1.078	1.287	1.330	1.398	1.188	14.64
18) T	Methyl Acetate	0.931	0.871	0.911	0.987	0.894	0.910	0.917	4.32
19) T	Methyl tert-bu...	1.732	1.991	2.212	2.264	2.160	2.192	2.092	9.52
20) T	Methylene Chlo...	0.704	0.656	0.684	0.667	0.643	0.655	0.668	3.33
21) T	trans-1,2-Dich...	0.545	0.563	0.609	0.633	0.600	0.619	0.595	5.72
22) T	Diisopropyl ether	1.638	1.930	2.170	2.162	2.071	2.106	2.013	10.09
23) T	Vinyl Acetate	1.244	1.542	1.833	1.941	1.858	1.914	1.722	15.93
24) P	1,1-Dichloroet...	0.980	1.118	1.221	1.256	1.185	1.208	1.161	8.63
25) T	2-Butanone	0.448	0.486	0.538	0.567	0.500	0.510	0.508	8.10
26) T	2,2-Dichloropr...	0.902	0.997	1.062	1.141	1.082	1.109	1.049	8.28
27) T	cis-1,2-Dichlo...	0.674	0.673	0.761	0.792	0.745	0.767	0.735	6.83
28) T	Bromochloromet...	0.501	0.611	0.482	0.450	0.500	0.523	0.511	10.68
29) T	Tetrahydrofuran	0.286	0.312	0.319	0.338	0.303	0.311	0.312	5.49
30) C	Chloroform	1.070	1.238	1.309	1.316	1.269	1.293	1.249	7.41#
31) T	Cyclohexane		0.911	0.976	1.041	0.926	0.925	0.956	5.60
32) T	1,1,1-Trichlor...	0.873	1.005	1.133	1.184	1.119	1.149	1.077	10.86
33) S	1,2-Dichloroet...		0.926	0.876	0.751	0.855	0.880	0.858	7.57
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.371	0.353	0.327	0.359	0.376	0.357	5.43
36) T	1,1-Dichloropr...	0.382	0.430	0.449	0.494	0.452	0.465	0.445	8.36
37) T	Ethyl Acetate	0.517	0.549	0.549	0.610	0.539	0.552	0.553	5.61
38) T	Carbon Tetrach...	0.439	0.466	0.491	0.558	0.520	0.528	0.500	8.69
39) T	Methylcyclohexane	0.544	0.556	0.564	0.656	0.574	0.576	0.578	6.91
40) TM	Benzene	1.211	1.369	1.457	1.494	1.388	1.402	1.387	7.04
41) T	Methacrylonitrile	0.219	0.278	0.292	0.329	0.291	0.289	0.283	12.67
42) TM	1,2-Dichloroet...	0.499	0.546	0.585	0.603	0.551	0.558	0.557	6.41
43) T	Isopropyl Acetate	0.745	0.840	0.893	0.976	0.894	0.928	0.880	9.07
44) TM	Trichloroethene	0.547	0.372	0.368	0.373	0.345	0.352	0.393	19.47
45) C	1,2-Dichloropr...	0.288	0.322	0.361	0.371	0.346	0.350	0.340	8.84#
46) T	Dibromomethane	0.239	0.240	0.280	0.293	0.276	0.284	0.269	8.58
47) T	Bromodichlorom...	0.349	0.425	0.501	0.544	0.528	0.545	0.482	16.40
48) T	Methyl methacr...	0.387	0.385	0.423	0.467	0.427	0.443	0.422	7.57
49) T	1,4-Dioxane	0.006	0.008	0.008	0.008	0.008	0.007	0.008	11.13
50) S	Toluene-d8		1.327	1.237	1.104	1.232	1.257	1.232	6.58
51) T	4-Methyl-2-Pen...	0.437	0.527	0.562	0.606	0.539	0.548	0.537	10.41
52) CM	Toluene	0.636	0.839	0.883	0.921	0.850	0.852	0.830	12.02#
53) T	t-1,3-Dichloro...	0.341	0.413	0.507	0.569	0.549	0.570	0.491	19.21
54) T	cis-1,3-Dichlo...	0.409	0.462	0.569	0.611	0.580	0.601	0.539	15.38
55) T	1,1,2-Trichlor...	0.287	0.340	0.375	0.370	0.340	0.345	0.343	9.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\										
Method File : 82X112124W.M										
56)	T	Ethyl methacry...	0.379	0.467	0.571	0.614	0.582	0.590	0.534	17.12
57)	T	1,3-Dichloropr...	0.480	0.574	0.620	0.625	0.579	0.585	0.577	9.04
58)	T	2-Chloroethyl ...	0.159	0.327	0.276	0.307	0.284	0.287	0.273	21.65
59)	T	2-Hexanone	0.297	0.393	0.431	0.471	0.410	0.419	0.403	14.49
60)	T	Dibromochlorom...	0.249	0.292	0.344	0.396	0.380	0.401	0.344	17.98
61)	T	1,2-Dibromoethane	0.258	0.339	0.373	0.385	0.358	0.367	0.346	13.33
62)	S	4-Bromofluorob...	0.401	0.414	0.387	0.438	0.455	0.419		6.61
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.304	0.342	0.336	0.349	0.315	0.332	0.330	5.14
65)	PM	Chlorobenzene	1.050	1.109	1.107	1.145	1.069	1.108	1.098	3.05
66)	T	1,1,1,2-Tetrac...	0.260	0.332	0.371	0.395	0.382	0.396	0.356	14.75
67)	C	Ethyl Benzene	1.579	1.831	1.910	2.024	1.884	1.938	1.861	8.19#
68)	T	m/p-Xylenes	0.610	0.663	0.704	0.762	0.700	0.725	0.694	7.57
69)	T	o-Xylene	0.543	0.665	0.691	0.757	0.693	0.716	0.678	10.75
70)	T	Styrene	0.859	1.025	1.174	1.263	1.186	1.217	1.121	13.47
71)	P	Bromoform	0.145	0.200	0.222	0.284	0.286	0.306	0.240	25.88
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.435	3.927	3.996	4.097	3.679	3.927	3.843	6.32
74)	T	N-amyl acetate	1.249	1.648	1.867	1.996	1.895	2.029	1.780	16.45
75)	P	1,1,2,2-Tetrac...	1.198	1.356	1.375	1.393	1.260	1.314	1.316	5.70
76)	T	1,2,3-Trichlor...	0.863	1.246	1.153	1.181	1.053	1.084	1.096	12.17
77)	T	Bromobenzene	0.794	0.958	0.955	0.975	0.883	0.936	0.917	7.40
78)	T	n-propylbenzene	3.667	4.115	4.469	4.733	4.286	4.486	4.293	8.63
79)	T	2-Chlorotoluene	2.487	2.766	2.868	2.857	2.581	2.726	2.714	5.62
80)	T	1,3,5-Trimethy...	2.704	3.115	3.352	3.444	3.118	3.238	3.162	8.19
81)	T	trans-1,4-Dich...	0.298	0.374	0.443	0.423	0.471	0.402		16.90
82)	T	4-Chlorotoluene	2.660	3.005	3.187	3.329	3.025	3.180	3.064	7.54
83)	T	tert-Butylbenzene	2.581	3.097	3.266	3.440	3.152	3.269	3.134	9.42
84)	T	1,2,4-Trimethy...	2.557	3.173	3.366	3.440	3.124	3.228	3.148	9.95
85)	T	sec-Butylbenzene	3.116	3.921	3.968	4.249	3.812	3.974	3.840	9.97
86)	T	p-Isopropyltol...	2.255	3.043	3.316	3.521	3.219	3.362	3.119	14.50
87)	T	1,3-Dichlorobe...	1.580	1.656	1.701	1.764	1.623	1.696	1.670	3.88
88)	T	1,4-Dichlorobe...	1.730	1.638	1.706	1.782	1.650	1.710	1.702	3.10
89)	T	n-Butylbenzene	1.897	2.580	2.805	3.184	2.909	3.126	2.750	17.18
90)	T	Hexachloroethane	0.450	0.443	0.496	0.588	0.581	0.625	0.530	14.64
91)	T	1,2-Dichlorobe...	1.506	1.733	1.723	1.768	1.642	1.740	1.685	5.79
92)	T	1,2-Dibromo-3-...	0.213	0.254	0.252	0.284	0.275	0.304	0.264	12.00
93)	T	1,2,4-Trichlor...	0.849	0.905	0.987	1.084	1.012	1.125	0.994	10.53
94)	T	Hexachlorobuta...	0.382	0.384	0.376	0.411	0.384	0.419	0.393	4.54
95)	T	Naphthalene	2.605	3.361	3.698	4.005	3.733	4.058	3.576	15.03
96)	T	1,2,3-Trichlor...	0.753	0.960	1.055	1.118	1.018	1.130	1.006	13.83

(#) = Out of Range

Bromoform

Response Ratio



$R = 1.533e-002 A^2 + 2.616e-001 A - 6.311e-003$
 Coef of Det (r^2) = 0.999408 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X112124W.M
 Calibration Table Last Updated: Fri Nov 22 03:45:52 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	138810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	250758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102312	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123698	58.016	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.040%	
35) Dibromofluoromethane	5.379	113	92258	54.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.580%	
50) Toluene-d8	8.647	98	312682	55.587	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.180%	
62) 4-Bromofluorobenzene	11.079	95	112440	60.492	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 120.980%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	87148	62.046	ug/l	98
3) Chloromethane	1.294	50	98071	55.867	ug/l	99
4) Vinyl Chloride	1.374	62	98663	55.940	ug/l	97
5) Bromomethane	1.593	94	55648	69.459	ug/l	100
6) Chloroethane	1.660	64	49530	58.791	ug/l	99
7) Trichlorofluoromethane	1.867	101	174189	69.274	ug/l	100
8) Diethyl Ether	2.136	74	61407	64.776	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	78888	53.013	ug/l	98
10) Methyl Iodide	2.441	142	108199	51.664	ug/l	95
11) Tert butyl alcohol	3.001	59	96228	283.818	ug/l	99
12) 1,1-Dichloroethene	2.306	96	77411	53.599	ug/l	87
13) Acrolein	2.239	56	103637	272.556	ug/l	99
14) Allyl chloride	2.654	41	136615	58.343	ug/l	89
15) Acrylonitrile	3.068	53	241080	276.221	ug/l	98
16) Acetone	2.392	43	227575	265.748	ug/l	93
17) Carbon Disulfide	2.502	76	170454	54.052	ug/l	99
18) Methyl Acetate	2.703	43	128026	54.593	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	308920	57.868	ug/l	99
20) Methylene Chloride	2.782	84	92077	51.368	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	87463	55.548	ug/l	97
22) Diisopropyl ether	3.763	45	296742	58.005	ug/l	96
23) Vinyl Acetate	3.721	43	1303089	314.256	ug/l	98
24) 1,1-Dichloroethane	3.605	63	169925	56.478	ug/l	100
25) 2-Butanone	4.562	43	345310	288.244	ug/l	97
26) 2,2-Dichloropropane	4.465	77	141245	57.127	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	106274	54.236	ug/l	96
28) Bromochloromethane	4.891	49	68700	54.265	ug/l	94
29) Tetrahydrofuran	5.007	42	220135	284.374	ug/l	97
30) Chloroform	5.086	83	178903	57.044	ug/l	100
31) Cyclohexane	5.458	56	128800	52.818	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	155630	58.048	ug/l	98
36) 1,1-Dichloropropene	5.684	75	112658	53.685	ug/l	99
37) Ethyl Acetate	4.715	43	139478	59.057	ug/l	97
38) Carbon Tetrachloride	5.666	117	124606	56.086	ug/l	98
39) Methylcyclohexane	7.373	83	138032	52.543	ug/l	97
40) Benzene	6.031	78	349857	53.028	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/21/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	73757	59.928	ug/l	96
42) 1,2-Dichloroethane	6.080	62	141058	58.882	ug/l	97
43) Isopropyl Acetate	6.342	43	224533	60.266	ug/l	94
44) Trichloroethene	7.123	130	87313	48.004	ug/l	99
45) 1,2-Dichloropropane	7.427	63	87107	53.869	ug/l	100
46) Dibromomethane	7.580	93	69900	57.366	ug/l	95
47) Bromodichloromethane	7.818	83	125370	58.559	ug/l	97
48) Methyl methacrylate	7.696	41	105250	56.995	ug/l #	88
49) 1,4-Dioxane	7.665	88	45681m	1161.399	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	689501	296.806	ug/l	95
52) Toluene	8.714	92	217080	57.032	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	128331	59.078	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	139851	56.813	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	86975	58.565	ug/l	98
56) Ethyl methacrylate	9.116	69	141716	60.268	ug/l #	89
57) 1,3-Dichloropropane	9.305	76	146448	58.860	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	346010	280.598	ug/l	98
59) 2-Hexanone	9.433	43	513732	313.432	ug/l	94
60) Dibromochloromethane	9.519	129	90863	62.789	ug/l	99
61) 1,2-Dibromoethane	9.610	107	89087	57.509	ug/l	98
64) Tetrachloroethene	9.269	164	69945	51.529	ug/l	97
65) Chlorobenzene	10.079	112	230498	52.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	80691	54.848	ug/l	97
67) Ethyl Benzene	10.189	91	404866	54.424	ug/l	98
68) m/p-Xylenes	10.299	106	300638	108.500	ug/l	96
69) o-Xylene	10.640	106	149788	55.404	ug/l	99
70) Styrene	10.652	104	250564	56.236	ug/l	97
71) Bromoform	10.799	173	56733	49.198	ug/l #	97
73) Isopropylbenzene	10.963	105	387920	53.117	ug/l	99
74) N-amyl acetate	10.841	43	193137	51.587	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	134303	54.391	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	110813m	53.071	ug/l	
77) Bromobenzene	11.195	156	92179	51.501	ug/l	98
78) n-propylbenzene	11.305	91	441866	54.835	ug/l	98
79) 2-Chlorotoluene	11.366	91	277003	54.025	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	322601	53.291	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	39924	48.469	ug/l	93
82) 4-Chlorotoluene	11.451	91	313937	53.165	ug/l	98
83) tert-Butylbenzene	11.713	119	320262	51.719	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	327564	53.283	ug/l	98
85) sec-Butylbenzene	11.890	105	389571	52.682	ug/l	99
86) p-Isopropyltoluene	12.006	119	325801	52.472	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	168646	50.841	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	167075	49.126	ug/l	98
89) n-Butylbenzene	12.329	91	283194	53.527	ug/l	98
90) Hexachloroethane	12.536	117	55605	46.087	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	169920	48.926	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	27323	45.200	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	98885	48.719	ug/l	97
94) Hexachlorobutadiene	13.725	225	39642	47.658	ug/l	98
95) Naphthalene	13.774	128	381936	50.468	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	104145	49.248	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

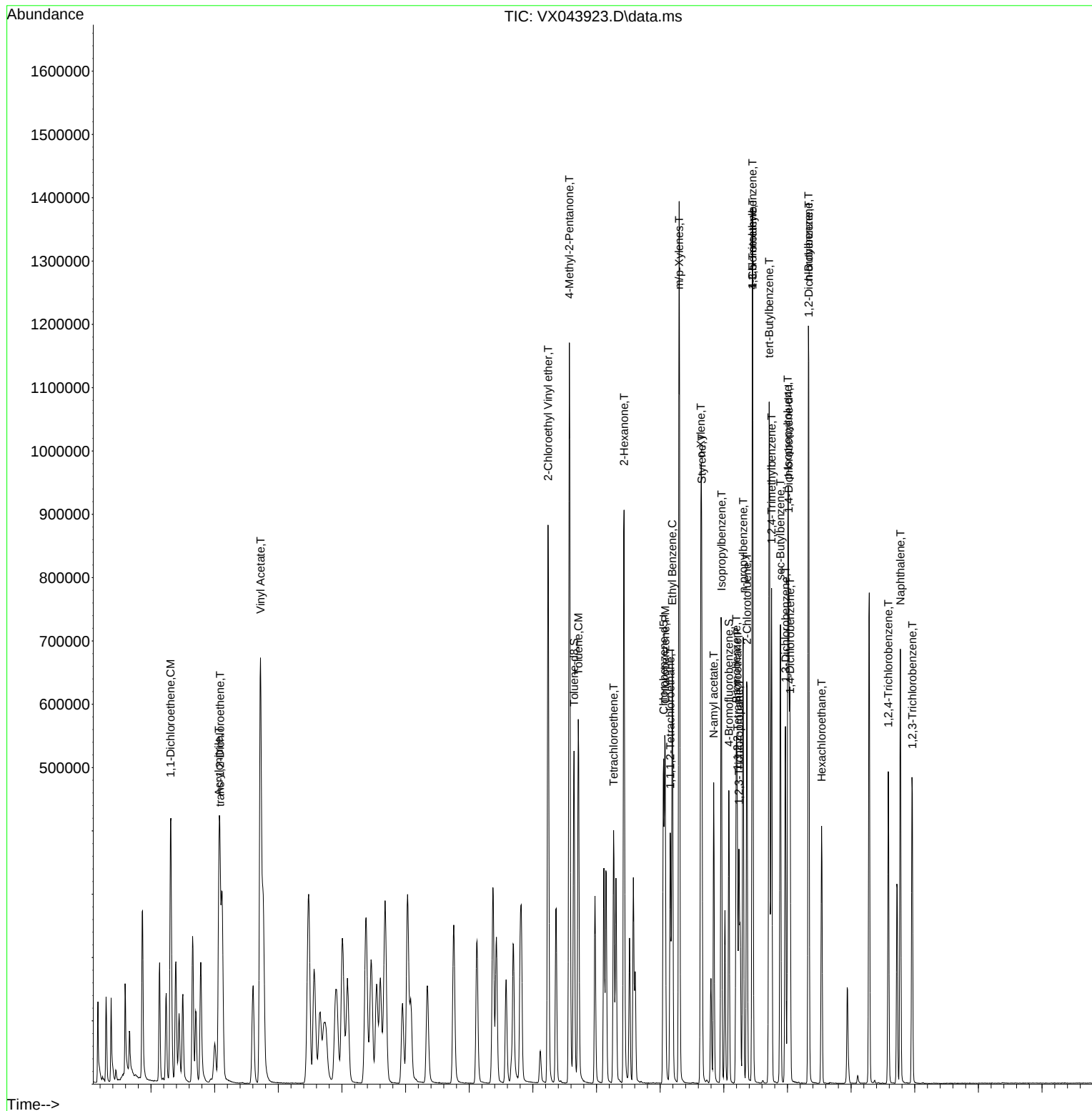
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/21/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 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	78	0.00
2 T	Dichlorodifluoromethane	0.611	0.628	-2.8	89	0.00
3 P	Chloromethane	0.660	0.707	-7.1	84	0.00
4 C	Vinyl Chloride	0.680	0.711	-4.6#	94	0.00
5 T	Bromomethane	0.408	0.401	1.7	102	0.00
6 T	Chloroethane	0.401	0.357	11.0	102	0.00
7 T	Trichlorofluoromethane	1.197	1.255	-4.8	105	0.00
8 T	Diethyl Ether	0.440	0.442	-0.5	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.584	0.568	2.7	83	0.00
10 T	Methyl Iodide	0.749	0.779	-4.0	78	0.00
11 T	Tert butyl alcohol	0.138	0.139	-0.7	93	0.00
12 CM	1,1-Dichloroethene	0.566	0.558	1.4#	80	0.00
13 T	Acrolein	0.145	0.149	-2.8	81	0.00
14 T	Allyl chloride	0.921	0.984	-6.8	83	0.00
15 T	Acrylonitrile	0.328	0.347	-5.8	83	0.00
16 T	Acetone	0.373	0.328	12.1	85	0.00
17 T	Carbon Disulfide	1.163	1.228	-5.6	84	0.00
18 T	Methyl Acetate	0.892	0.922	-3.4	86	0.00
19 T	Methyl tert-butyl Ether	2.047	2.225	-8.7	87	0.00
20 T	Methylene Chloride	0.662	0.663	-0.2	82	0.00
21 T	trans-1,2-Dichloroethene	0.586	0.630	-7.5	84	0.00
22 T	Diisopropyl ether	1.969	2.138	-8.6	87	0.00
23 T	Vinyl Acetate	1.666	1.878	-12.7	91	0.00
24 P	1,1-Dichloroethane	1.137	1.224	-7.7	86	0.00
25 T	2-Butanone	0.489	0.498	-1.8	86	0.00
26 T	2,2-Dichloropropane	1.009	1.018	-0.9	87	0.00
27 T	cis-1,2-Dichloroethene	0.723	0.766	-5.9	83	0.00
28 T	Bromochloromethane	0.512	0.495	3.3	84	0.00
29 T	Tetrahydrofuran	0.303	0.317	-4.6	86	0.00
30 C	Chloroform	1.221	1.289	-5.6#	87	0.00
31 T	Cyclohexane	0.922	0.928	-0.7	83	0.00
32 T	1,1,1-Trichloroethane	1.047	1.121	-7.1	87	0.00
33 S	1,2-Dichloroethane-d4	0.864	0.891	-3.1	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
35 S	Dibromofluoromethane	0.360	0.368	-2.2	82	0.00
36 T	1,1-Dichloropropene	0.431	0.449	-4.2	84	0.00
37 T	Ethyl Acetate	0.514	0.556	-8.2	90	0.00
38 T	Carbon Tetrachloride	0.480	0.497	-3.5	87	0.00
39 T	Methylcyclohexane	0.555	0.550	0.9	81	0.00
40 TM	Benzene	1.360	1.395	-2.6	80	0.00
41 T	Methacrylonitrile	0.274	0.294	-7.3	87	0.00
42 TM	1,2-Dichloroethane	0.536	0.563	-5.0	90	0.00
43 T	Isopropyl Acetate	0.840	0.895	-6.5	92	0.00
44 TM	Trichloroethene	0.385	0.348	9.6	82	0.00
45 C	1,2-Dichloropropane	0.331	0.347	-4.8#	82	0.00
46 T	Dibromomethane	0.260	0.279	-7.3	87	0.00
47 T	Bromodichloromethane	0.467	0.500	-7.1	84	0.00
48 T	Methyl methacrylate	0.388	0.420	-8.2	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 2024
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.009	-50.0#	120	0.00
50 S	Toluene-d8	1.247	1.247	0.0	80	0.00
51 T	4-Methyl-2-Pentanone	0.515	0.550	-6.8	88	0.00
52 CM	Toluene	0.812	0.866	-6.7#	81	0.00
53 T	t-1,3-Dichloropropene	0.475	0.512	-7.8	83	0.00
54 T	cis-1,3-Dichloropropene	0.521	0.558	-7.1	84	0.00
55 T	1,1,2-Trichloroethane	0.335	0.347	-3.6	82	0.00
56 T	Ethyl methacrylate	0.519	0.565	-8.9	82	0.00
57 T	1,3-Dichloropropane	0.564	0.584	-3.5	81	0.00
58 T	2-Chloroethyl Vinyl ether	0.265	0.276	-4.2	82	0.00
59 T	2-Hexanone	0.384	0.410	-6.8	88	0.00
60 T	Dibromochloromethane	0.333	0.362	-8.7	84	0.00
61 T	1,2-Dibromoethane	0.337	0.355	-5.3	82	0.00
62 S	4-Bromofluorobenzene	0.426	0.448	-5.2	81	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64 T	Tetrachloroethene	0.325	0.331	-1.8	79	0.00
65 PM	Chlorobenzene	1.085	1.089	-0.4	78	0.00
66 T	1,1,1,2-Tetrachloroethane	0.350	0.381	-8.9	81	0.00
67 C	Ethyl Benzene	1.828	1.913	-4.6#	80	0.00
68 T	m/p-Xylenes	0.682	0.710	-4.1	78	0.00
69 T	o-Xylene	0.665	0.708	-6.5	79	0.00
70 T	Styrene	1.104	1.184	-7.2	78	0.00
71 P	Bromoform	0.234	0.268	-14.5	83	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73 T	Isopropylbenzene	3.765	3.792	-0.7	81	0.00
74 T	N-amyl acetate	1.717	1.888	-10.0	90	0.00
75 P	1,1,2,2-Tetrachloroethane	1.289	1.313	-1.9	82	0.00
76 T	1,2,3-Trichloropropane	1.069	1.083	-1.3	82	0.00
77 T	Bromobenzene	0.902	0.901	0.1	78	0.00
78 T	n-propylbenzene	4.192	4.319	-3.0	81	0.00
79 T	2-Chlorotoluene	2.665	2.707	-1.6	81	0.00
80 T	1,3,5-Trimethylbenzene	3.096	3.153	-1.8	80	0.00
81 T	trans-1,4-Dichloro-2-butene	0.388	0.390	-0.5	80	0.00
82 T	4-Chlorotoluene	3.000	3.068	-2.3	80	0.00
83 T	tert-Butylbenzene	3.073	3.130	-1.9	78	0.00
84 T	1,2,4-Trimethylbenzene	3.094	3.202	-3.5	79	0.00
85 T	sec-Butylbenzene	3.750	3.808	-1.5	79	0.00
86 T	p-Isopropyltoluene	3.057	3.184	-4.2	78	0.00
87 T	1,3-Dichlorobenzene	1.647	1.648	-0.1	78	0.00
88 T	1,4-Dichlorobenzene	1.648	1.633	0.9	78	0.00
89 T	n-Butylbenzene	2.657	2.768	-4.2	81	0.00
90 T	Hexachloroethane	0.515	0.543	-5.4	85	0.00
91 T	1,2-Dichlorobenzene	1.665	1.661	0.2	78	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.258	0.267	-3.5	83	0.00
93 T	1,2,4-Trichlorobenzene	0.976	0.967	0.9	76	0.00
94 T	Hexachlorobutadiene	0.386	0.387	-0.3	80	0.00
95 T	Naphthalene	3.532	3.733	-5.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICV VX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.991	1.018	-2.7	76	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043923.D
 Acq On : 20 Nov 2024 19:16
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 07:05:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 07:00:56 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	78	0.00
2 T	Dichlorodifluoromethane	50.000	62.046	-24.1	89	0.00
3 P	Chloromethane	50.000	55.867	-11.7	84	0.00
4 C	Vinyl Chloride	50.000	55.940	-11.9#	94	0.00
5 T	Bromomethane	50.000	69.459	-38.9#	102	0.00
6 T	Chloroethane	50.000	58.791	-17.6	102	0.00
7 T	Trichlorofluoromethane	50.000	69.274	-38.5#	105	0.00
8 T	Diethyl Ether	50.000	64.776	-29.6#	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.013	-6.0	83	0.00
10 T	Methyl Iodide	50.000	51.664	-3.3	78	0.00
11 T	Tert butyl alcohol	250.000	283.818	-13.5	93	0.00
12 CM	1,1-Dichloroethene	50.000	53.599	-7.2#	80	0.00
13 T	Acrolein	250.000	272.556	-9.0	81	0.00
14 T	Allyl chloride	50.000	58.343	-16.7	83	0.00
15 T	Acrylonitrile	250.000	276.221	-10.5	83	0.00
16 T	Acetone	250.000	265.748	-6.3	85	0.00
17 T	Carbon Disulfide	50.000	54.052	-8.1	84	0.00
18 T	Methyl Acetate	50.000	54.593	-9.2	86	0.00
19 T	Methyl tert-butyl Ether	50.000	57.868	-15.7	87	0.00
20 T	Methylene Chloride	50.000	51.368	-2.7	82	0.00
21 T	trans-1,2-Dichloroethene	50.000	55.548	-11.1	84	0.00
22 T	Diisopropyl ether	50.000	58.005	-16.0	87	0.00
23 T	Vinyl Acetate	250.000	314.256	-25.7#	91	0.00
24 P	1,1-Dichloroethane	50.000	56.478	-13.0	86	0.00
25 T	2-Butanone	250.000	288.244	-15.3	86	0.00
26 T	2,2-Dichloropropane	50.000	57.127	-14.3	87	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.236	-8.5	83	0.00
28 T	Bromochloromethane	50.000	54.265	-8.5	84	0.00
29 T	Tetrahydrofuran	250.000	284.374	-13.7	86	0.00
30 C	Chloroform	50.000	57.044	-14.1#	87	0.00
31 T	Cyclohexane	50.000	52.818	-5.6	83	0.00
32 T	1,1,1-Trichloroethane	50.000	58.048	-16.1	87	0.00
33 S	1,2-Dichloroethane-d4	50.000	58.016	-16.0	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	76	0.00
35 S	Dibromofluoromethane	50.000	54.792	-9.6	82	0.00
36 T	1,1-Dichloropropene	50.000	53.685	-7.4	84	0.00
37 T	Ethyl Acetate	50.000	59.057	-18.1	90	0.00
38 T	Carbon Tetrachloride	50.000	56.086	-12.2	87	0.00
39 T	Methylcyclohexane	50.000	52.543	-5.1	81	0.00
40 TM	Benzene	50.000	53.028	-6.1	80	0.00
41 T	Methacrylonitrile	50.000	59.928	-19.9	87	0.00
42 TM	1,2-Dichloroethane	50.000	58.882	-17.8	90	0.00
43 T	Isopropyl Acetate	50.000	60.266	-20.5	92	0.00
44 TM	Trichloroethene	50.000	48.004	4.0	82	0.00
45 C	1,2-Dichloropropane	50.000	53.869	-7.7#	82	0.00
46 T	Dibromomethane	50.000	57.366	-14.7	87	0.00
47 T	Bromodichloromethane	50.000	58.559	-17.1	84	0.00
48 T	Methyl methacrylate	50.000	56.995	-14.0	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 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	1161.399	-16.1	120	0.00
50 S	Toluene-d8	50.000	55.587	-11.2	80	0.00
51 T	4-Methyl-2-Pentanone	250.000	296.806	-18.7	88	0.00
52 CM	Toluene	50.000	57.032	-14.1#	81	0.00
53 T	t-1,3-Dichloropropene	50.000	59.078	-18.2	83	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.813	-13.6	84	0.00
55 T	1,1,2-Trichloroethane	50.000	58.565	-17.1	82	0.00
56 T	Ethyl methacrylate	50.000	60.268	-20.5	82	0.00
57 T	1,3-Dichloropropane	50.000	58.860	-17.7	81	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	280.598	-12.2	82	0.00
59 T	2-Hexanone	250.000	313.432	-25.4#	88	0.00
60 T	Dibromochloromethane	50.000	62.789	-25.6#	84	0.00
61 T	1,2-Dibromoethane	50.000	57.509	-15.0	82	0.00
62 S	4-Bromofluorobenzene	50.000	60.492	-21.0	81	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64 T	Tetrachloroethene	50.000	51.529	-3.1	79	0.00
65 PM	Chlorobenzene	50.000	52.143	-4.3	78	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.848	-9.7	81	0.00
67 C	Ethyl Benzene	50.000	54.424	-8.8#	80	0.00
68 T	m/p-Xylenes	100.000	108.500	-8.5	78	0.00
69 T	o-Xylene	50.000	55.404	-10.8	79	0.00
70 T	Styrene	50.000	56.236	-12.5	78	0.00
71 P	Bromoform	50.000	49.198	1.6	83	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73 T	Isopropylbenzene	50.000	53.117	-6.2	81	0.00
74 T	N-amyl acetate	50.000	51.587	-3.2	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.391	-8.8	82	0.00
76 T	1,2,3-Trichloropropane	50.000	53.071	-6.1	82	0.00
77 T	Bromobenzene	50.000	51.501	-3.0	78	0.00
78 T	n-propylbenzene	50.000	54.835	-9.7	81	0.00
79 T	2-Chlorotoluene	50.000	54.025	-8.0	81	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.291	-6.6	80	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.469	3.1	80	0.00
82 T	4-Chlorotoluene	50.000	53.165	-6.3	80	0.00
83 T	tert-Butylbenzene	50.000	51.719	-3.4	78	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.283	-6.6	79	0.00
85 T	sec-Butylbenzene	50.000	52.682	-5.4	79	0.00
86 T	p-Isopropyltoluene	50.000	52.472	-4.9	78	0.00
87 T	1,3-Dichlorobenzene	50.000	50.841	-1.7	78	0.00
88 T	1,4-Dichlorobenzene	50.000	49.126	1.7	78	0.00
89 T	n-Butylbenzene	50.000	53.527	-7.1	81	0.00
90 T	Hexachloroethane	50.000	46.087	7.8	85	0.00
91 T	1,2-Dichlorobenzene	50.000	48.926	2.1	78	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.200	9.6	83	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.719	2.6	76	0.00
94 T	Hexachlorobutadiene	50.000	47.658	4.7	80	0.00
95 T	Naphthalene	50.000	50.468	-0.9	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043923.D
Acq On : 20 Nov 2024 19:16
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICV VX112124

Quant Time: Nov 21 07:05:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 07:00:56 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.248	1.5	76	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043925.D
 Acq On : 21 Nov 2024 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:38:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 12:38:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	148984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	3148	1.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.460%#		
35) Dibromofluoromethane	5.385	113	1980	1.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.120%#		
50) Toluene-d8	8.647	98	7267	1.132	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.260%#		
62) 4-Bromofluorobenzene	11.079	95	2216	1.015	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	1889	1.001	ug/l	87
3) Chloromethane	1.295	50	1723	0.868	ug/l	90
4) Vinyl Chloride	1.374	62	2010	0.951	ug/l #	82
5) Bromomethane	1.593	94	1826	1.405	ug/l #	76
6) Chloroethane	1.666	64	1724	1.339	ug/l #	84
7) Trichlorofluoromethane	1.874	101	3093	0.819	ug/l	92
8) Diethyl Ether	2.136	74	1421	1.032	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.313	101	1764	0.979	ug/l	92
10) Methyl Iodide	2.441	142	1911	0.849	ug/l #	91
11) Tert butyl alcohol	2.941	59	3949	9.211	ug/l #	72
12) 1,1-Dichloroethene	2.300	96	1775	1.034	ug/l #	68
13) Acrolein	2.233	56	2045	4.730	ug/l	87
14) Allyl chloride	2.654	41	2371	0.845	ug/l #	78
15) Acrylonitrile	3.063	53	4483	4.485	ug/l	96
16) Acetone	2.386	43	5977	5.093	ug/l #	80
17) Carbon Disulfide	2.502	76	3223	0.910	ug/l	99
18) Methyl Acetate	2.703	43	2775	1.015	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	5162	0.828	ug/l	92
20) Methylene Chloride	2.782	84	2099	1.054	ug/l #	78
21) trans-1,2-Dichloroethene	3.081	96	1624	0.916	ug/l	94
22) Diisopropyl ether	3.751	45	4882	0.814	ug/l #	23
23) Vinyl Acetate	3.727	43	18541	3.613	ug/l	95
24) 1,1-Dichloroethane	3.593	63	2919	0.844	ug/l #	94
25) 2-Butanone	4.581	43	6676	4.408	ug/l	95
26) 2,2-Dichloropropane	4.459	77	2687	0.860	ug/l	83
27) cis-1,2-Dichloroethene	4.495	96	2007	0.916	ug/l	93
28) Bromochloromethane	4.885	49	842	0.553	ug/l #	64
29) Tetrahydrofuran	5.013	42	4264	4.594	ug/l	93
30) Chloroform	5.093	83	3187	0.856	ug/l #	81
31) Cyclohexane	5.446	56	2563	0.900	ug/l #	67
32) 1,1,1-Trichloroethane	5.373	97	2600	0.810	ug/l #	43
36) 1,1-Dichloropropene	5.690	75	1993	0.859	ug/l #	79
37) Ethyl Acetate	4.733	43	1632	0.584	ug/l #	76
38) Carbon Tetrachloride	5.660	117	2287	0.877	ug/l #	75
39) Methylcyclohexane	7.379	83	2835	0.941	ug/l	94
40) Benzene	6.032	78	6312	0.873	ug/l #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043925.D
 Acq On : 21 Nov 2024 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 21 12:38:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 12:38:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	724	0.487	ug/l #	83
42) 1,2-Dichloroethane	6.086	62	2602	0.896	ug/l	81
43) Isopropyl Acetate	6.355	43	3881	0.847	ug/l #	85
44) Trichloroethene	7.123	130	2850	1.393	ug/l	90
45) 1,2-Dichloropropane	7.428	63	1503	0.849	ug/l	98
46) Dibromomethane	7.580	93	1246	0.890	ug/l	90
47) Bromodichloromethane	7.824	83	1819	0.724	ug/l #	96
48) Methyl methacrylate	7.702	41	1511	0.714	ug/l	91
49) 1,4-Dioxane	7.671	88	613	18.330	ug/l #	43
51) 4-Methyl-2-Pentanone	8.574	43	11392	4.073	ug/l	91
52) Toluene	8.714	92	3313	0.766	ug/l	79
53) t-1,3-Dichloropropene	8.988	75	1776	0.694	ug/l #	88
54) cis-1,3-Dichloropropene	8.366	75	2132	0.759	ug/l #	75
55) 1,1,2-Trichloroethane	9.153	97	1496	0.838	ug/l #	83
56) Ethyl methacrylate	9.122	69	1973	0.709	ug/l #	69
57) 1,3-Dichloropropane	9.305	76	2502	0.832	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	4135	2.662	ug/l	92
59) 2-Hexanone	9.439	43	7726	3.675	ug/l	95
60) Dibromochloromethane	9.519	129	1296	0.723	ug/l	92
61) 1,2-Dibromoethane	9.610	107	1342	0.743	ug/l	81
64) Tetrachloroethene	9.269	164	1329	0.924	ug/l	90
65) Chlorobenzene	10.073	112	4585	0.957	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.165	131	1136	0.731	ug/l #	65
67) Ethyl Benzene	10.195	91	6890	0.848	ug/l #	84
68) m/p-Xylenes	10.305	106	5324	1.758	ug/l	98
69) o-Xylene	10.640	106	2370	0.801	ug/l	94
70) Styrene	10.665	104	3751	0.767	ug/l	96
71) Bromoform	10.799	173	632	1.756	ug/l #	88
73) Isopropylbenzene	10.964	105	6379	0.894	ug/l	93
74) N-amyl acetate	10.848	43	2319	0.701	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.214	83	2224	0.910	ug/l	82
76) 1,2,3-Trichloropropane	11.244	75	2077	1.020	ug/l	96
77) Bromobenzene	11.201	156	1475	0.866	ug/l	93
78) n-propylbenzene	11.305	91	6810	0.854	ug/l	95
79) 2-Chlorotoluene	11.366	91	4618	0.916	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	5022	0.855	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.025	75	442	0.592	ug/l #	76
82) 4-Chlorotoluene	11.457	91	4940	0.868	ug/l	93
83) tert-Butylbenzene	11.713	119	4794	0.824	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	4748	0.812	ug/l	99
85) sec-Butylbenzene	11.890	105	5787	0.812	ug/l	96
86) p-Isopropyltoluene	12.012	119	4187	0.723	ug/l	86
87) 1,3-Dichlorobenzene	11.969	146	2934	0.946	ug/l	93
88) 1,4-Dichlorobenzene	11.969	146	2934	0.942	ug/l	94
89) n-Butylbenzene	12.335	91	3522	0.690	ug/l	94
90) Hexachloroethane	12.536	117	835	0.848	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	2796	0.893	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.957	75	395	0.807	ug/l	61
93) 1,2,4-Trichlorobenzene	13.597	180	1576	0.854	ug/l	80
94) Hexachlorobutadiene	13.725	225	709	0.972	ug/l	94
95) Naphthalene	13.780	128	4837	0.728	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1398	0.749	ug/l	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:38:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:38:21 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

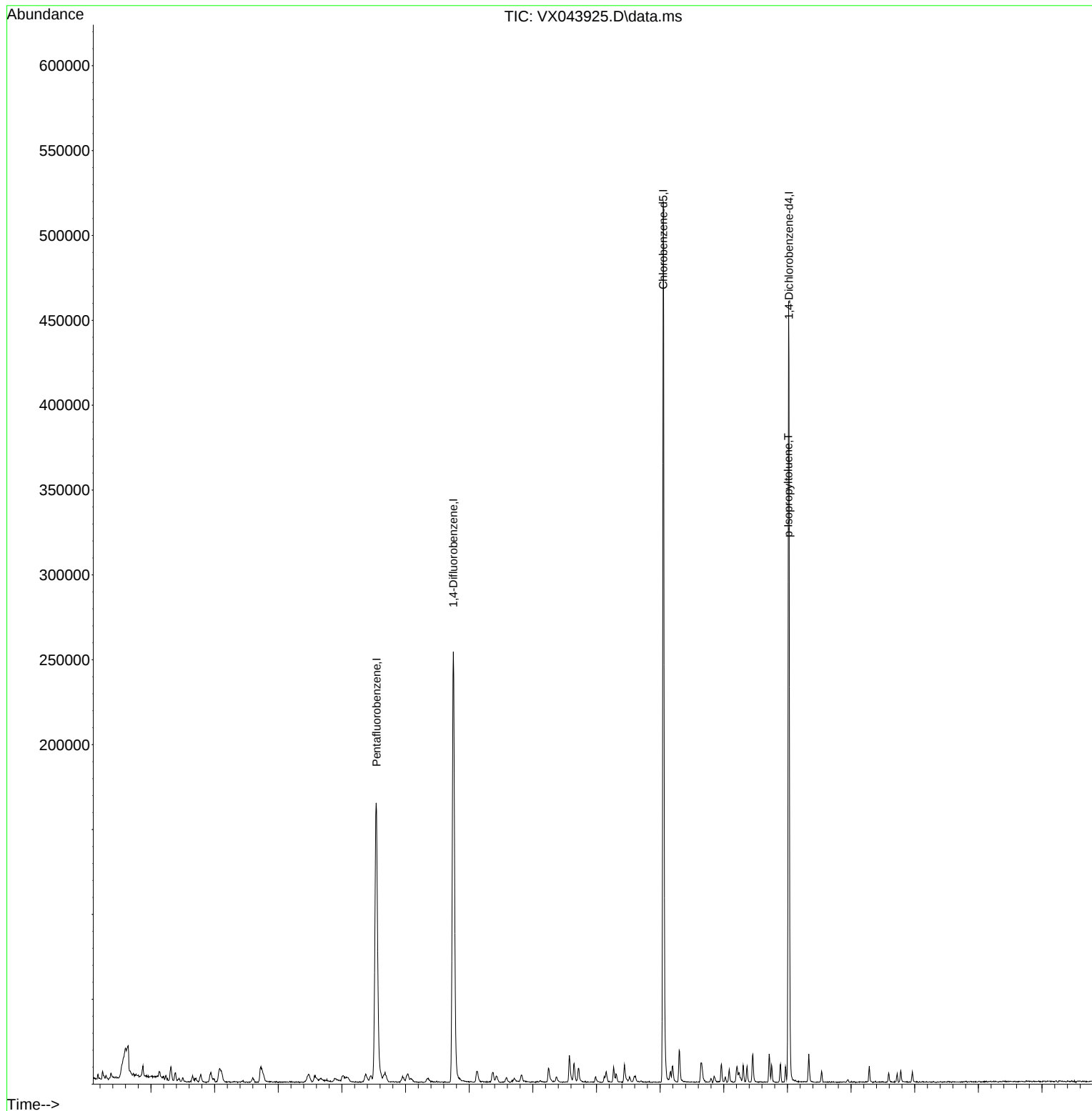
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDIC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:38:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:38:21 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 21 13:37:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 13:36:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	150793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96662	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	13961	5.398	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.800%#
35) Dibromofluoromethane	5.379	113	9842	5.198	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.400%#
50) Toluene-d8	8.646	98	35173	5.389	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.780%#
62) 4-Bromofluorobenzene	11.079	95	10618	4.780	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	9.560%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	9545	4.811	ug/l	86
3) Chloromethane	1.294	50	9980	4.712	ug/l	98
4) Vinyl Chloride	1.373	62	10682	4.826	ug/l	100
5) Bromomethane	1.593	94	6415	4.877	ug/l	94
6) Chloroethane	1.666	64	6474	5.154	ug/l	99
7) Trichlorofluoromethane	1.867	101	19099	4.721	ug/l	90
8) Diethyl Ether	2.129	74	6480	4.537	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.318	101	8824	4.665	ug/l	95
10) Methyl Iodide	2.440	142	9897	4.346	ug/l	93
11) Tert butyl alcohol	2.995	59	8556	19.717	ug/l	97
12) 1,1-Dichloroethene	2.306	96	7987	4.524	ug/l #	78
13) Acrolein	2.239	56	11940	27.287	ug/l	100
14) Allyl chloride	2.654	41	12874	4.278	ug/l #	87
15) Acrylonitrile	3.062	53	24290	22.867	ug/l	97
16) Acetone	2.385	43	29886	24.457	ug/l	89
17) Carbon Disulfide	2.495	76	14415	4.636	ug/l #	94
18) Methyl Acetate	2.702	43	13127	4.577	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	30022	4.615	ug/l #	86
20) Methylene Chloride	2.782	84	9895	4.667	ug/l	95
21) trans-1,2-Dichloroethene	3.080	96	8486	4.326	ug/l #	84
22) Diisopropyl ether	3.757	45	29102	4.607	ug/l #	59
23) Vinyl Acetate	3.721	43	116242	21.381	ug/l	97
24) 1,1-Dichloroethane	3.599	63	16857	4.635	ug/l	98
25) 2-Butanone	4.568	43	36680	23.245	ug/l	99
26) 2,2-Dichloropropane	4.458	77	15040	4.560	ug/l #	73
27) cis-1,2-Dichloroethene	4.477	96	10153	4.366	ug/l	90
28) Bromochloromethane	4.891	49	9210	5.746	ug/l	87
29) Tetrahydrofuran	5.007	42	23518	23.872	ug/l	93
30) Chloroform	5.086	83	18661	4.725	ug/l	97
31) Cyclohexane	5.458	56	13740	4.767	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	15162	4.545	ug/l	95
36) 1,1-Dichloropropene	5.690	75	11406	4.435	ug/l	97
37) Ethyl Acetate	4.720	43	12177	4.528	ug/l	95
38) Carbon Tetrachloride	5.665	117	12348	4.503	ug/l	94
39) Methylcyclohexane	7.372	83	14721	4.668	ug/l	98
40) Benzene	6.031	78	36283	4.740	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043926.D
 Acq On : 21 Nov 2024 10:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 13:37:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 13:36:37 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7355	4.783	ug/l #	94
42) 1,2-Dichloroethane	6.080	62	14467	4.731	ug/l	98
43) Isopropyl Acetate	6.348	43	22267	4.619	ug/l #	93
44) Trichloroethene	7.128	130	9852	4.284	ug/l	100
45) 1,2-Dichloropropane	7.427	63	8525	4.446	ug/l	93
46) Dibromomethane	7.586	93	6372	4.181	ug/l	93
47) Bromodichloromethane	7.823	83	11249	4.153	ug/l	99
48) Methyl methacrylate	7.695	41	10190	4.466	ug/l	89
49) 1,4-Dioxane	7.677	88	3056	93.552	ug/l #	71
51) 4-Methyl-2-Pentanone	8.573	43	69843	23.750	ug/l	93
52) Toluene	8.714	92	22218	4.736	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	10937	4.002	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	12253	4.109	ug/l #	86
55) 1,1,2-Trichloroethane	9.152	97	9000	4.745	ug/l	96
56) Ethyl methacrylate	9.116	69	12381	4.205	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	15211	4.733	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	43351	29.069	ug/l	98
59) 2-Hexanone	9.433	43	52072	23.504	ug/l	93
60) Dibromochloromethane	9.518	129	7738	4.099	ug/l	100
61) 1,2-Dibromoethane	9.610	107	8985	4.623	ug/l	99
64) Tetrachloroethene	9.274	164	7642	4.829	ug/l	93
65) Chlorobenzene	10.079	112	24792	4.794	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	7421	4.479	ug/l	97
67) Ethyl Benzene	10.195	91	40927	4.658	ug/l	92
68) m/p-Xylenes	10.305	106	29635	9.137	ug/l	97
69) o-Xylene	10.640	106	14856	4.616	ug/l	99
70) Styrene	10.658	104	22907	4.320	ug/l	96
71) Bromoform	10.799	173	4476	3.941	ug/l #	97
73) Isopropylbenzene	10.957	105	37958	4.885	ug/l	99
74) N-amyl acetate	10.841	43	15928	4.381	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	13107	4.910	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	14721	6.565	ug/l	78
77) Bromobenzene	11.195	156	9259	4.859	ug/l	95
78) n-propylbenzene	11.305	91	39774	4.555	ug/l	97
79) 2-Chlorotoluene	11.366	91	26740	4.746	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	30114	4.706	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2880	3.707	ug/l #	73
82) 4-Chlorotoluene	11.451	91	29049	4.621	ug/l	96
83) tert-Butylbenzene	11.713	119	29934	4.687	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	30674	4.697	ug/l	97
85) sec-Butylbenzene	11.890	105	37899	4.836	ug/l	95
86) p-Isopropyltoluene	12.006	119	29412	4.573	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	16008	4.621	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	15837	4.419	ug/l	91
89) n-Butylbenzene	12.335	91	24938	4.370	ug/l	98
90) Hexachloroethane	12.536	117	4279	4.061	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	16747	4.815	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2454	4.500	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	8746	4.179	ug/l	96
94) Hexachlorobutadiene	13.725	225	3713	4.700	ug/l	93
95) Naphthalene	13.774	128	32485	4.205	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9280	4.485	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 13:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:36:37 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

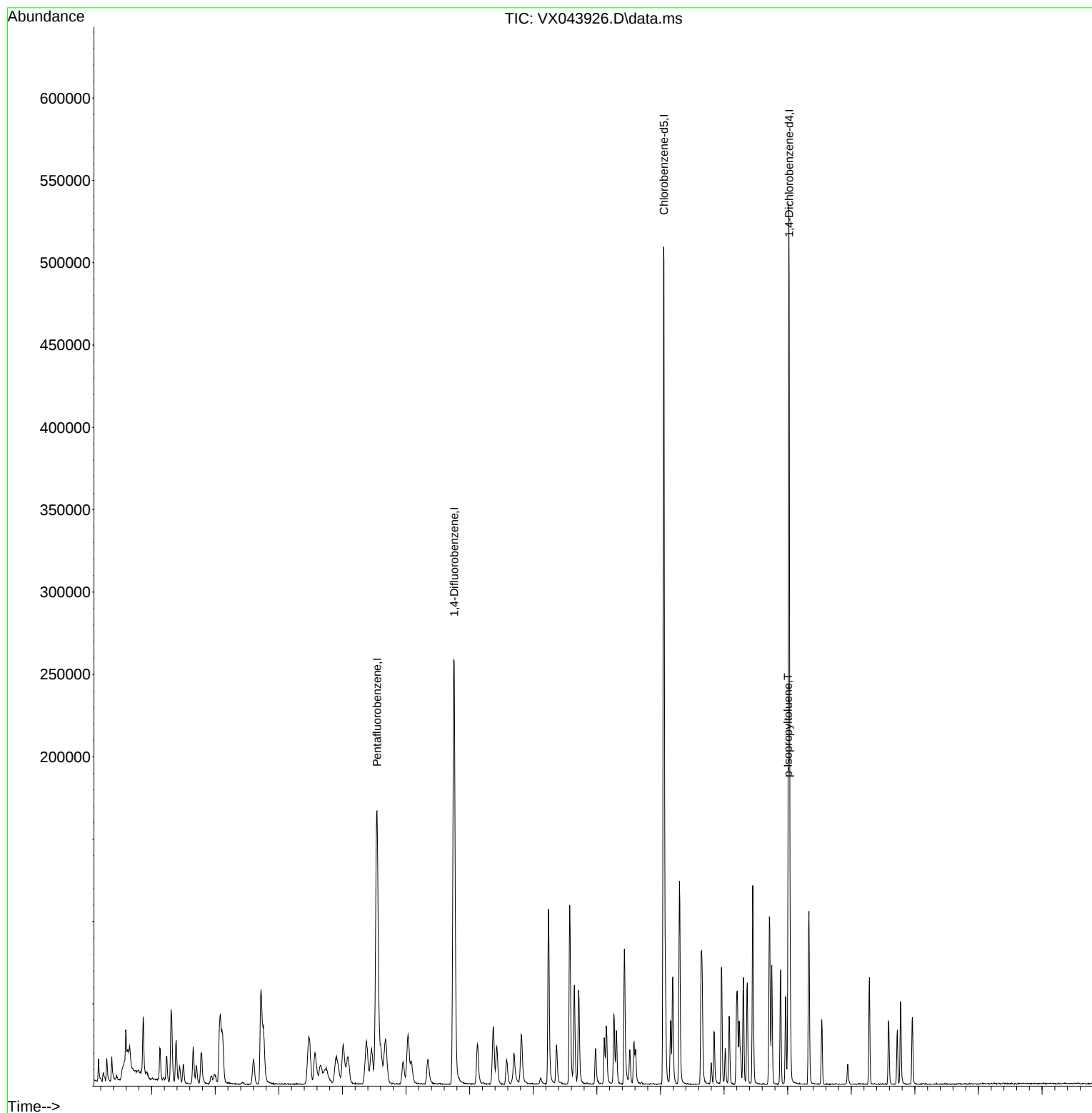
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/22/2024
Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 13:37:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:36:37 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 21 11:27:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	137617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	247844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98477	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	48239	22.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	45.640%#
35) Dibromofluoromethane	5.385	113	35015	21.040	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	42.080%#
50) Toluene-d8	8.647	98	122646	22.060	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	44.120%#
62) 4-Bromofluorobenzene	11.079	95	41087	22.365	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	44.720%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	35268	25.327	ug/l	98
3) Chloromethane	1.295	50	39622	22.767	ug/l	93
4) Vinyl Chloride	1.374	62	40173	22.975	ug/l	95
5) Bromomethane	1.593	94	24112	30.357	ug/l	98
6) Chloroethane	1.666	64	22213	26.595	ug/l	97
7) Trichlorofluoromethane	1.868	101	73464	29.469	ug/l	99
8) Diethyl Ether	2.136	74	25875	27.531	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	33284	22.561	ug/l	96
10) Methyl Iodide	2.441	142	43047	20.733	ug/l	94
11) Tert butyl alcohol	3.002	59	36554	108.748	ug/l	100
12) 1,1-Dichloroethene	2.307	96	32180	22.474	ug/l	96
13) Acrolein	2.240	56	35249	93.505	ug/l	99
14) Allyl chloride	2.660	41	53053	22.853	ug/l #	88
15) Acrylonitrile	3.069	53	94417	109.118	ug/l	99
16) Acetone	2.386	43	110373	130.004	ug/l	89
17) Carbon Disulfide	2.502	76	59349	18.983	ug/l	98
18) Methyl Acetate	2.709	43	50136	21.564	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	121776	23.009	ug/l	100
20) Methylene Chloride	2.788	84	37633	21.177	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	33545	21.489	ug/l	100
22) Diisopropyl ether	3.764	45	119475	23.557	ug/l	91
23) Vinyl Acetate	3.721	43	504408	122.699	ug/l	98
24) 1,1-Dichloroethane	3.599	63	67233	22.540	ug/l	99
25) 2-Butanone	4.568	43	148152	124.741	ug/l	97
26) 2,2-Dichloropropane	4.471	77	58444	23.843	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	41866	21.551	ug/l	94
28) Bromochloromethane	4.891	49	26507	21.119	ug/l	90
29) Tetrahydrofuran	5.013	42	87736	114.321	ug/l	98
30) Chloroform	5.087	83	72049	23.172	ug/l	97
31) Cyclohexane	5.458	56	53731	22.225	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62394	23.474	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44465	21.438	ug/l	99
37) Ethyl Acetate	4.715	43	54426	23.316	ug/l	97
38) Carbon Tetrachloride	5.672	117	48701	22.179	ug/l	99
39) Methylcyclohexane	7.379	83	55958	21.551	ug/l	99
40) Benzene	6.025	78	144401	22.144	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043927.D
 Acq On : 21 Nov 2024 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28938	23.789	ug/l	95
42) 1,2-Dichloroethane	6.086	62	57981	24.487	ug/l	98
43) Isopropyl Acetate	6.349	43	88577	24.054	ug/l	94
44) Trichloroethene	7.117	130	36440	20.270	ug/l	95
45) 1,2-Dichloropropane	7.428	63	35791	22.394	ug/l	97
46) Dibromomethane	7.580	93	27799	23.082	ug/l	96
47) Bromodichloromethane	7.818	83	49665	23.471	ug/l #	94
48) Methyl methacrylate	7.690	41	41962	22.991	ug/l #	87
49) 1,4-Dioxane	7.665	88	12071	310.503	ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	278479	121.285	ug/l	95
52) Toluene	8.714	92	87569	23.277	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	50294	23.425	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	56407	23.184	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	37148	25.308	ug/l	96
56) Ethyl methacrylate	9.116	69	56585	24.347	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	61420	24.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	136842	112.277	ug/l	96
59) 2-Hexanone	9.433	43	213629	131.869	ug/l	93
60) Dibromochloromethane	9.519	129	34133	23.864	ug/l	100
61) 1,2-Dibromoethane	9.610	107	36985	24.156	ug/l	99
64) Tetrachloroethene	9.269	164	29274	20.948	ug/l	98
65) Chlorobenzene	10.080	112	96469	21.197	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	32353	21.360	ug/l	98
67) Ethyl Benzene	10.189	91	166435	21.731	ug/l	98
68) m/p-Xylenes	10.299	106	122658	42.997	ug/l	95
69) o-Xylene	10.640	106	60254	21.648	ug/l	94
70) Styrene	10.653	104	102329	22.308	ug/l	97
71) Bromoform	10.799	173	19329	19.555	ug/l #	97
73) Isopropylbenzene	10.964	105	157405	22.393	ug/l	99
74) N-amyl acetate	10.842	43	73525	23.459	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	54158	22.787	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	45423m	22.601	ug/l	
77) Bromobenzene	11.195	156	37631	21.843	ug/l	97
78) n-propylbenzene	11.305	91	176034	22.696	ug/l	98
79) 2-Chlorotoluene	11.360	91	112986	22.894	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	132041	22.662	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	14743	20.654	ug/l	88
82) 4-Chlorotoluene	11.451	91	125521	22.085	ug/l	99
83) tert-Butylbenzene	11.713	119	128636	21.582	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	132595	22.408	ug/l	99
85) sec-Butylbenzene	11.890	105	156312	21.962	ug/l	98
86) p-Isopropyltoluene	12.006	119	130605	21.854	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	67003	20.986	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	67195	20.527	ug/l	98
89) n-Butylbenzene	12.329	91	110491	21.698	ug/l	98
90) Hexachloroethane	12.536	117	19547	19.432	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	67852	20.298	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9939	20.259	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	38866	19.894	ug/l	100
94) Hexachlorobutadiene	13.725	225	14818	18.508	ug/l	91
95) Naphthalene	13.774	128	145678	19.999	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	41554	20.415	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

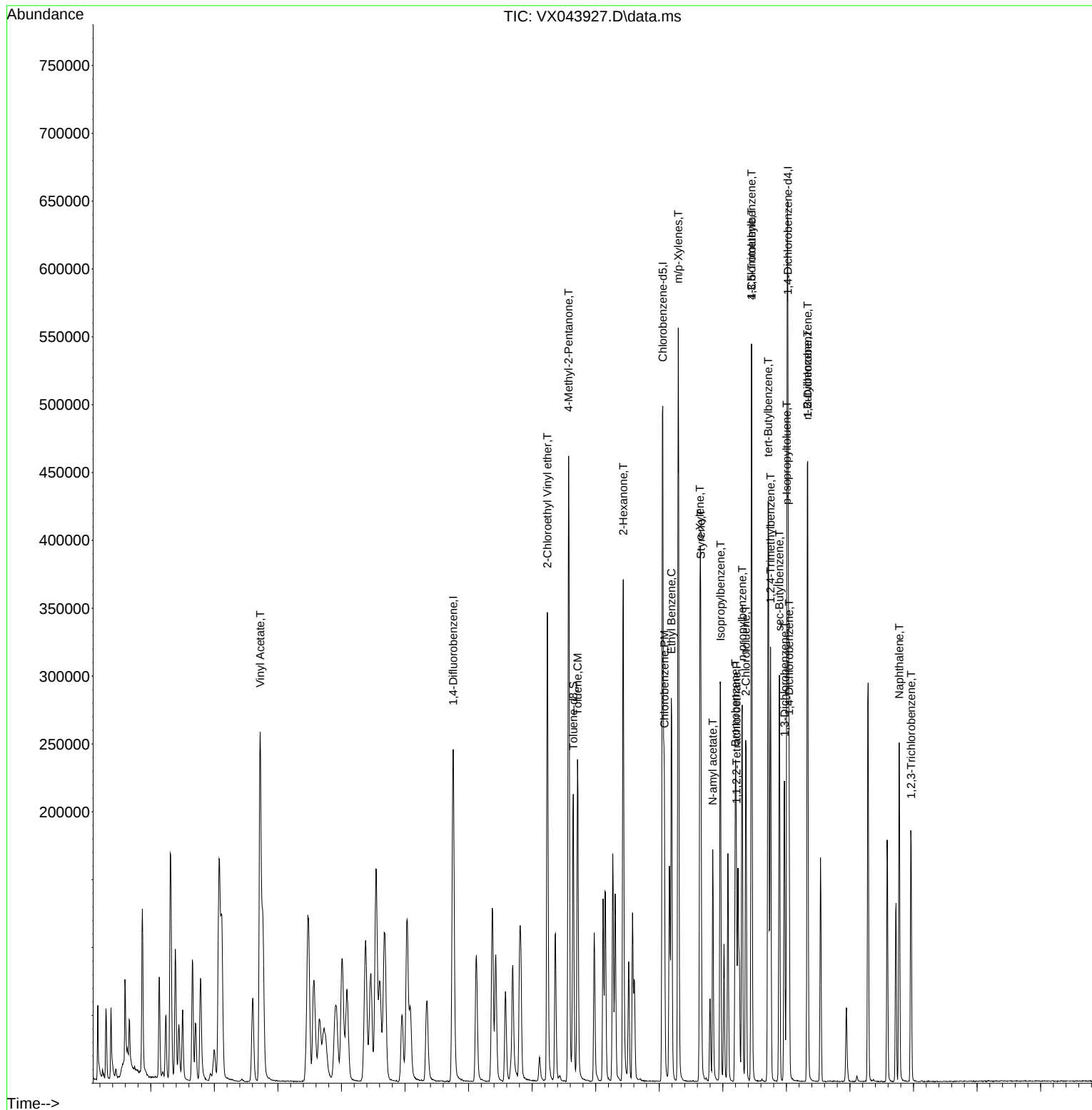
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 21 12:14:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	138578	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	241629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	212243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100316	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	104086	48.899	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
35) Dibromofluoromethane	5.379	113	78954	48.663	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.320%
50) Toluene-d8	8.641	98	266650	49.194	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.079	95	93510	52.209	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.420%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	94790	67.600	ug/l	98
3) Chloromethane	1.295	50	96646	55.148	ug/l	100
4) Vinyl Chloride	1.374	62	105586	59.966	ug/l	100
5) Bromomethane	1.593	94	61728	77.177	ug/l	97
6) Chloroethane	1.660	64	63580	75.594	ug/l	98
7) Trichlorofluoromethane	1.868	101	188045	74.909	ug/l	100
8) Diethyl Ether	2.130	74	65665	69.383	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	91167	61.367	ug/l	97
10) Methyl Iodide	2.441	142	112083	53.608	ug/l	95
11) Tert butyl alcohol	2.995	59	100130	295.821	ug/l	99
12) 1,1-Dichloroethene	2.307	96	83087	57.625	ug/l	92
13) Acrolein	2.233	56	100647	265.136	ug/l	97
14) Allyl chloride	2.654	41	144663	61.883	ug/l	91
15) Acrylonitrile	3.063	53	256493	294.373	ug/l	98
16) Acetone	2.380	43	294611	344.605	ug/l	93
17) Carbon Disulfide	2.502	76	178294	56.633	ug/l	99
18) Methyl Acetate	2.703	43	136735	58.404	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	313754	58.872	ug/l	98
20) Methylene Chloride	2.782	84	92475	51.676	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	87752	55.825	ug/l	95
22) Diisopropyl ether	3.758	45	299631	58.668	ug/l	94
23) Vinyl Acetate	3.715	43	1344870	324.875	ug/l	97
24) 1,1-Dichloroethane	3.599	63	174008	57.932	ug/l	99
25) 2-Butanone	4.556	43	392575	328.247	ug/l	97
26) 2,2-Dichloropropane	4.465	77	158151	64.072	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	109742	56.100	ug/l	94
28) Bromochloromethane	4.885	49	62386	49.360	ug/l	88
29) Tetrahydrofuran	5.001	42	234208	303.060	ug/l	97
30) Chloroform	5.080	83	182404	58.257	ug/l	94
31) Cyclohexane	5.458	56	144224	59.242	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	164023	61.280	ug/l	98
36) 1,1-Dichloropropene	5.678	75	119269	58.983	ug/l	99
37) Ethyl Acetate	4.709	43	147393	64.767	ug/l	98
38) Carbon Tetrachloride	5.666	117	134725	62.932	ug/l	97
39) Methylcyclohexane	7.373	83	158586	62.647	ug/l	95
40) Benzene	6.025	78	360978	56.780	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043928.D
 Acq On : 21 Nov 2024 11:17
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	79507	67.041	ug/l	96
42) 1,2-Dichloroethane	6.074	62	145681	63.109	ug/l	97
43) Isopropyl Acetate	6.336	43	235856	65.697	ug/l	94
44) Trichloroethene	7.117	130	90015	51.360	ug/l	91
45) 1,2-Dichloropropane	7.422	63	89529	57.459	ug/l	98
46) Dibromomethane	7.574	93	70679	60.196	ug/l	96
47) Bromodichloromethane	7.818	83	131365	63.678	ug/l	97
48) Methyl methacrylate	7.690	41	112803	63.393	ug/l #	88
49) 1,4-Dioxane	7.659	88	33402	881.301	ug/l #	73
51) 4-Methyl-2-Pentanone	8.574	43	732582	327.265	ug/l	95
52) Toluene	8.714	92	222500	60.664	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	137451	65.667	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	147638	62.243	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	89441	62.501	ug/l	97
56) Ethyl methacrylate	9.116	69	148281	65.443	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	151124	63.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	371281	312.467	ug/l	98
59) 2-Hexanone	9.427	43	568460	359.925	ug/l	93
60) Dibromochloromethane	9.519	129	95641	68.588	ug/l	99
61) 1,2-Dibromoethane	9.604	107	92940	62.263	ug/l	99
64) Tetrachloroethene	9.269	164	74157	54.472	ug/l	99
65) Chlorobenzene	10.080	112	243080	54.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	83934	56.885	ug/l	98
67) Ethyl Benzene	10.189	91	429559	57.573	ug/l	97
68) m/p-Xylenes	10.299	106	323661	116.466	ug/l	96
69) o-Xylene	10.640	106	160643	59.245	ug/l	99
70) Styrene	10.653	104	268004	59.974	ug/l	98
71) Bromoform	10.799	173	60267	62.587	ug/l #	98
73) Isopropylbenzene	10.957	105	411000	57.397	ug/l	99
74) N-amyl acetate	10.842	43	200195	62.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.214	83	139756	57.726	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	118450m	57.858	ug/l	
77) Bromobenzene	11.195	156	97761	55.706	ug/l	97
78) n-propylbenzene	11.299	91	474802	60.094	ug/l	100
79) 2-Chlorotoluene	11.360	91	286649	57.018	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	345531	58.215	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	44450	61.129	ug/l	96
82) 4-Chlorotoluene	11.451	91	333946	57.679	ug/l	100
83) tert-Butylbenzene	11.713	119	345112	56.841	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	345112	57.254	ug/l	99
85) sec-Butylbenzene	11.890	105	426284	58.794	ug/l	99
86) p-Isopropyltoluene	12.006	119	353256	58.026	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	176936	54.401	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	178728	53.598	ug/l	98
89) n-Butylbenzene	12.329	91	319448	61.581	ug/l	99
90) Hexachloroethane	12.536	117	59010	57.586	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	177334	52.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	28467	56.961	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	108749	54.645	ug/l	98
94) Hexachlorobutadiene	13.725	225	41267	50.599	ug/l	95
95) Naphthalene	13.774	128	401752	54.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	112162	54.094	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

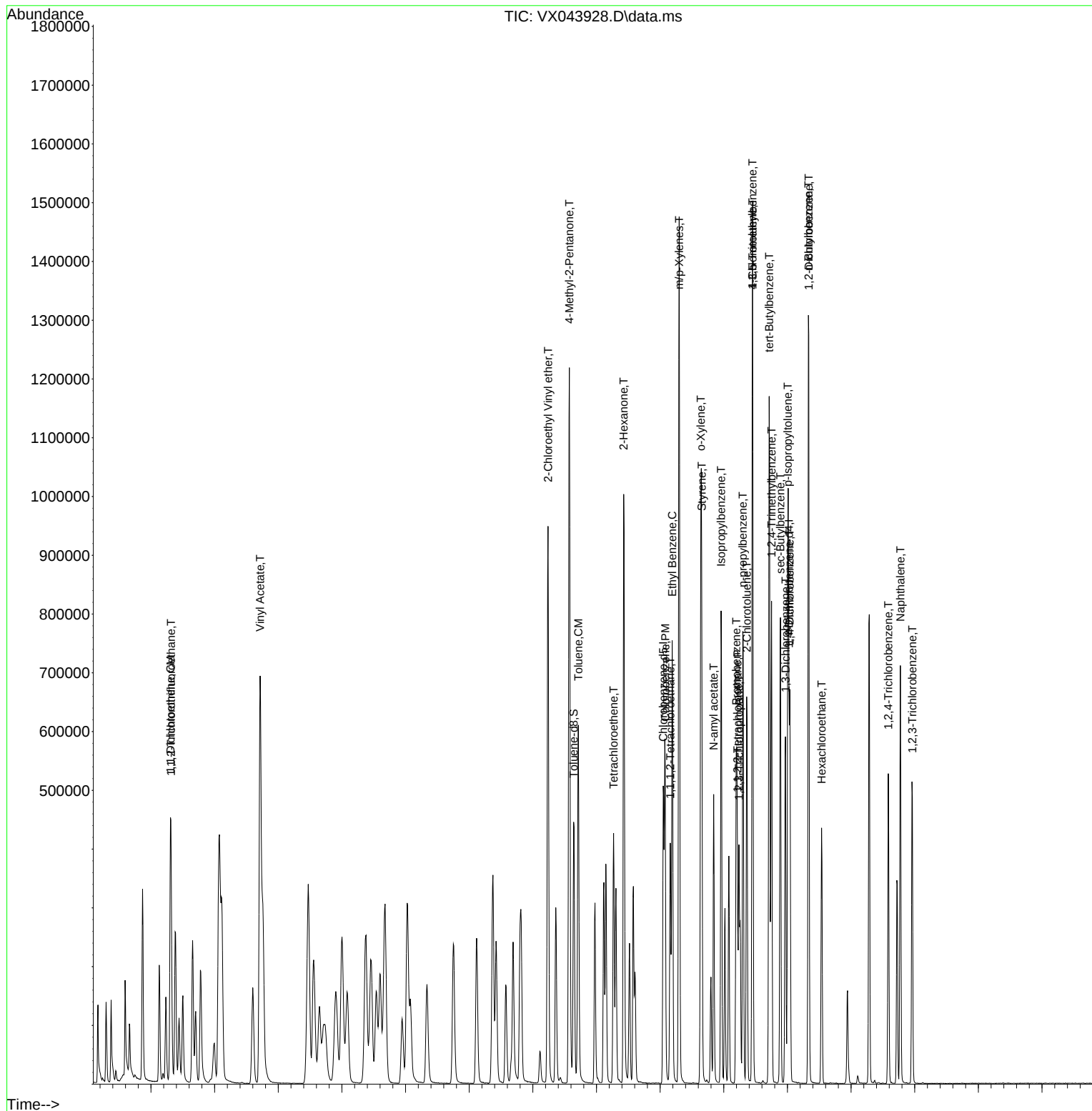
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043929.D
 Acq On : 21 Nov 2024 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 21 12:15:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	138314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	104048	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	236531	111.333	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 222.660%#	
35) Dibromofluoromethane	5.379	113	176869	106.893	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 213.780%#	
50) Toluene-d8	8.647	98	607337	109.870	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 219.740%#	
62) 4-Bromofluorobenzene	11.079	95	215953	118.228	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 236.460%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	166145	118.713	ug/l	97
3) Chloromethane	1.295	50	183899	105.136	ug/l	100
4) Vinyl Chloride	1.374	62	192221	109.377	ug/l	98
5) Bromomethane	1.593	94	118792	148.807	ug/l	99
6) Chloroethane	1.660	64	101816	121.286	ug/l	98
7) Trichlorofluoromethane	1.868	101	354375	141.438	ug/l	100
8) Diethyl Ether	2.136	74	125840	133.219	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	162988	109.922	ug/l	96
10) Methyl Iodide	2.441	142	213858	102.481	ug/l	96
11) Tert butyl alcohol	3.002	59	184757	546.882	ug/l	100
12) 1,1-Dichloroethene	2.307	96	158111	109.868	ug/l	89
13) Acrolein	2.240	56	200929	530.320	ug/l	99
14) Allyl chloride	2.654	41	276068	118.320	ug/l	90
15) Acrylonitrile	3.069	53	458624	527.361	ug/l	97
16) Acetone	2.386	43	511112	598.985	ug/l	92
17) Carbon Disulfide	2.502	76	367958	117.100	ug/l	99
18) Methyl Acetate	2.703	43	247225	105.800	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	597600	112.347	ug/l	99
20) Methylene Chloride	2.782	84	178008	99.663	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	165989	105.798	ug/l	98
22) Diisopropyl ether	3.764	45	572855	112.380	ug/l	97
23) Vinyl Acetate	3.721	43	2570419	622.111	ug/l	97
24) 1,1-Dichloroethane	3.605	63	327756	109.327	ug/l	99
25) 2-Butanone	4.562	43	690992	578.867	ug/l	98
26) 2,2-Dichloropropane	4.471	77	299254	121.468	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	206207	105.613	ug/l	94
28) Bromochloromethane	4.898	49	138227	109.575	ug/l	91
29) Tetrahydrofuran	5.007	42	419337	543.649	ug/l	97
30) Chloroform	5.087	83	350923	112.294	ug/l	97
31) Cyclohexane	5.458	56	256114	105.404	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	309469	115.841	ug/l	98
36) 1,1-Dichloropropene	5.684	75	222573	107.931	ug/l	99
37) Ethyl Acetate	4.715	43	265631	114.453	ug/l	97
38) Carbon Tetrachloride	5.672	117	256290	117.390	ug/l	97
39) Methylcyclohexane	7.373	83	283075	109.652	ug/l	98
40) Benzene	6.032	78	684139	105.520	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043929.D
 Acq On : 21 Nov 2024 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 11:25:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	143256	118.447	ug/l	94
42) 1,2-Dichloroethane	6.080	62	271641	115.387	ug/l	98
43) Isopropyl Acetate	6.342	43	440615	120.346	ug/l	94
44) Trichloroethene	7.123	130	169796	94.997	ug/l	98
45) 1,2-Dichloropropane	7.428	63	170741	107.450	ug/l	99
46) Dibromomethane	7.574	93	135928	113.518	ug/l	96
47) Bromodichloromethane	7.818	83	260442	123.792	ug/l	97
48) Methyl methacrylate	7.690	41	210614	116.061	ug/l	88
49) 1,4-Dioxane	7.665	88	62845	1625.913	ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	1329064	582.189	ug/l	95
52) Toluene	8.714	92	418999	112.018	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	270418	126.680	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	285627	118.077	ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	167357	114.675	ug/l	97
56) Ethyl methacrylate	9.116	69	286893	124.157	ug/l #	90
57) 1,3-Dichloropropane	9.305	76	285511	116.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	698756	576.637	ug/l	98
59) 2-Hexanone	9.433	43	1011261	627.842	ug/l	95
60) Dibromochloromethane	9.519	129	187476	131.832	ug/l	99
61) 1,2-Dibromoethane	9.610	107	176345	115.841	ug/l	99
64) Tetrachloroethene	9.269	164	135740	98.157	ug/l	97
65) Chlorobenzene	10.080	112	461076	102.382	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	164586	109.812	ug/l	97
67) Ethyl Benzene	10.189	91	812289	107.178	ug/l	98
68) m/p-Xylenes	10.299	106	603451	213.769	ug/l	96
69) o-Xylene	10.640	106	298739	108.462	ug/l	98
70) Styrene	10.653	104	511251	112.628	ug/l	98
71) Bromoform	10.799	173	123114	125.866	ug/l #	98
73) Isopropylbenzene	10.957	105	765623	103.086	ug/l	99
74) N-amyl acetate	10.842	43	394438	119.112	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	262302	104.456	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	219028m	103.148	ug/l	
77) Bromobenzene	11.195	156	183742	100.944	ug/l	98
78) n-propylbenzene	11.305	91	891893	108.835	ug/l	99
79) 2-Chlorotoluene	11.360	91	537190	103.022	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	648916	105.408	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	88041	116.733	ug/l	97
82) 4-Chlorotoluene	11.451	91	629590	104.841	ug/l	100
83) tert-Butylbenzene	11.713	119	655918	104.157	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	650156	103.992	ug/l	100
85) sec-Butylbenzene	11.890	105	793233	105.481	ug/l	100
86) p-Isopropyltoluene	12.006	119	669819	106.078	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	337665	100.095	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	343312	99.262	ug/l	99
89) n-Butylbenzene	12.329	91	605284	112.498	ug/l	99
90) Hexachloroethane	12.536	117	120913	113.763	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	341767	96.765	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	57287	110.517	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	210571	102.015	ug/l	98
94) Hexachlorobutadiene	13.725	225	79822	94.363	ug/l	95
95) Naphthalene	13.774	128	776740	100.923	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	211814	98.491	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

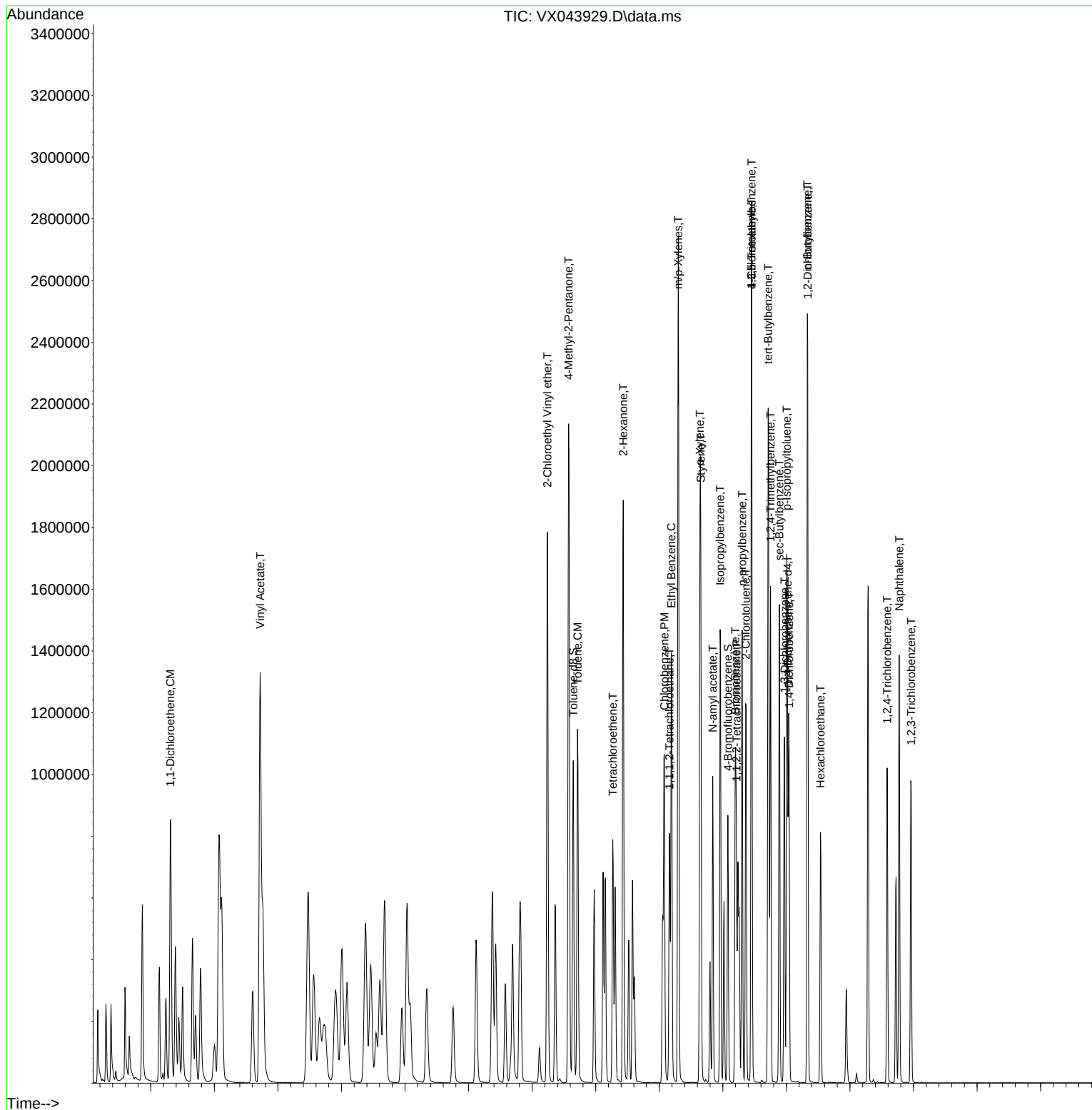
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043930.D
 Acq On : 21 Nov 2024 12:03
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 21 12:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 12:18:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	132286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96376	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	349080	171.797	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	343.600%#
35) Dibromofluoromethane	5.385	113	268135	168.036	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	336.080%#
50) Toluene-d8	8.647	98	896413	168.154	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	336.300%#
62) 4-Bromofluorobenzene	11.079	95	324612	184.279	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	368.560%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	241389	180.335	ug/l	97
3) Chloromethane	1.294	50	268770	160.659	ug/l	100
4) Vinyl Chloride	1.374	62	271568	161.568	ug/l	99
5) Bromomethane	1.593	94	175581	229.967	ug/l	98
6) Chloroethane	1.660	64	140375	174.839	ug/l	98
7) Trichlorofluoromethane	1.861	101	527057	219.944	ug/l	100
8) Diethyl Ether	2.136	74	185146	204.934	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.312	101	237653	167.580	ug/l	97
10) Methyl Iodide	2.440	142	299792	150.207	ug/l	96
11) Tert butyl alcohol	3.014	59	306168	947.555	ug/l	99
12) 1,1-Dichloroethene	2.306	96	228504	166.017	ug/l	91
13) Acrolein	2.239	56	294638	813.086	ug/l	100
14) Allyl chloride	2.654	41	394228	176.662	ug/l	91
15) Acrylonitrile	3.068	53	684169	822.558	ug/l	98
16) Acetone	2.392	43	734161	899.588	ug/l	92
17) Carbon Disulfide	2.501	76	554853	184.625	ug/l	100
18) Methyl Acetate	2.703	43	361338	161.681	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	869848	170.980	ug/l	98
20) Methylene Chloride	2.782	84	260099	152.260	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	245485	163.596	ug/l	95
22) Diisopropyl ether	3.763	45	835960	171.467	ug/l	96
23) Vinyl Acetate	3.721	43	3797951	961.094	ug/l	97
24) 1,1-Dichloroethane	3.599	63	479590	167.262	ug/l	99
25) 2-Butanone	4.568	43	1012692	887.025	ug/l	97
26) 2,2-Dichloropropane	4.465	77	440061	186.761	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	304342	162.978	ug/l	94
28) Bromochloromethane	4.891	49	207753	172.194	ug/l	91
29) Tetrahydrofuran	5.007	42	617277	836.734	ug/l	98
30) Chloroform	5.092	83	513285	171.734	ug/l	98
31) Cyclohexane	5.458	56	367157	157.989	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	455922	178.438	ug/l	98
36) 1,1-Dichloropropene	5.684	75	331239	166.559	ug/l	98
37) Ethyl Acetate	4.721	43	393670	175.887	ug/l	97
38) Carbon Tetrachloride	5.672	117	376287	178.719	ug/l	98
39) Methylcyclohexane	7.372	83	410333	164.816	ug/l	96
40) Benzene	6.031	78	999210	159.808	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043930.D
 Acq On : 21 Nov 2024 12:03
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 21 12:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 12:18:48 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	206026	176.637	ug/l	95
42) 1,2-Dichloroethane	6.080	62	397508	175.089	ug/l	98
43) Isopropyl Acetate	6.342	43	661839	187.445	ug/l	94
44) Trichloroethene	7.123	130	251071	145.657	ug/l	97
45) 1,2-Dichloropropane	7.427	63	249394	162.744	ug/l	100
46) Dibromomethane	7.580	93	202329	175.212	ug/l	95
47) Bromodichloromethane	7.818	83	388259	191.362	ug/l	97
48) Methyl methacrylate	7.690	41	315872	180.493	ug/l	88
49) 1,4-Dioxane	7.665	88	106634	2860.706	ug/l #	76
51) 4-Methyl-2-Pentanone	8.580	43	1954925	887.971	ug/l	96
52) Toluene	8.714	92	607179	168.323	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	406346	197.387	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	428549	183.704	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	245706	174.579	ug/l	99
56) Ethyl methacrylate	9.116	69	420409	188.658	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	416811	176.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1023576	875.887	ug/l	98
59) 2-Hexanone	9.433	43	1493755	961.650	ug/l	94
60) Dibromochloromethane	9.518	129	286188	208.679	ug/l	100
61) 1,2-Dibromoethane	9.610	107	261369	178.035	ug/l	100
64) Tetrachloroethene	9.268	164	202262	155.122	ug/l	98
65) Chlorobenzene	10.079	112	675513	159.085	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	241604	170.964	ug/l	97
67) Ethyl Benzene	10.195	91	1181693	165.365	ug/l	100
68) m/p-Xylenes	10.299	106	884067	332.148	ug/l	97
69) o-Xylene	10.640	106	436919	168.240	ug/l	98
70) Styrene	10.652	104	742061	173.379	ug/l	97
71) Bromoform	10.799	173	186691	161.632	ug/l #	100
73) Isopropylbenzene	10.963	105	1135309	165.031	ug/l	99
74) N-amyl acetate	10.841	43	586560	159.995	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	379947	163.351	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	313344m	159.312	ug/l	
77) Bromobenzene	11.195	156	270671	160.539	ug/l	98
78) n-propylbenzene	11.305	91	1296979	170.866	ug/l	99
79) 2-Chlorotoluene	11.366	91	788163	163.185	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	936129	164.167	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	136104	161.734	ug/l	99
82) 4-Chlorotoluene	11.451	91	919566	165.319	ug/l	100
83) tert-Butylbenzene	11.713	119	945058	162.017	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	933275	161.161	ug/l	100
85) sec-Butylbenzene	11.890	105	1148877	164.934	ug/l	100
86) p-Isopropyltoluene	12.006	119	972007	166.189	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	490336	156.923	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	494318	154.301	ug/l	99
89) n-Butylbenzene	12.329	91	903805	181.353	ug/l	99
90) Hexachloroethane	12.536	117	180575	151.823	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	503214	153.818	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	87963	146.019	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	325289	170.137	ug/l	99
94) Hexachlorobutadiene	13.725	225	121126	154.589	ug/l	97
95) Naphthalene	13.774	128	1173154	164.565	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	326693	164.001	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

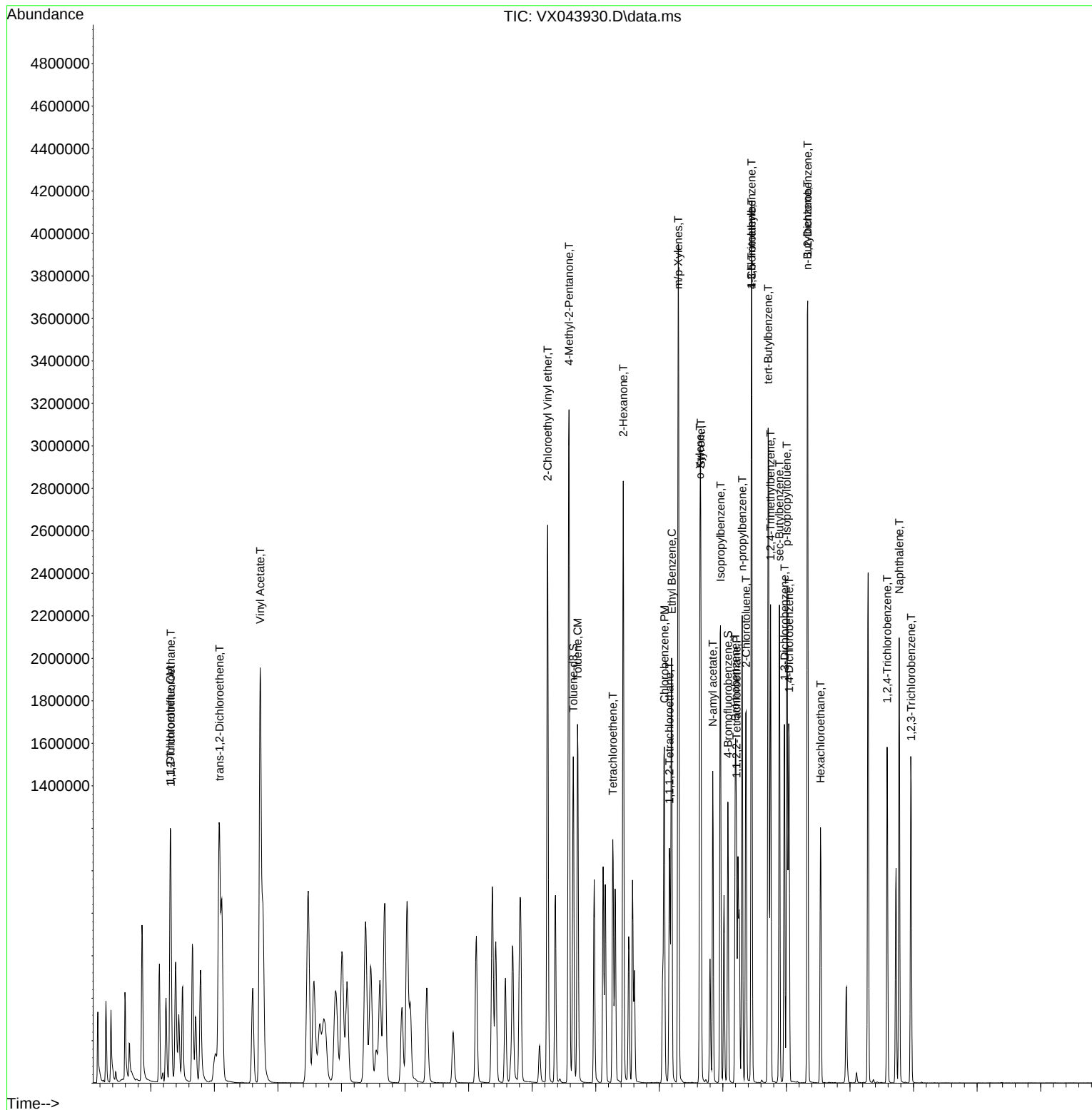
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Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 21 14:28:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 13:34:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/22/2024
 Supervised By : Mahesh Dadoda 11/22/2024

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	131073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229009	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	198776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96489	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112818	50.183	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.360%
35) Dibromofluoromethane	5.379	113	85815	52.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.880%
50) Toluene-d8	8.647	98	289000	51.234	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.460%
62) 4-Bromofluorobenzene	11.079	95	103640	53.987	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.980%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	83916	50.537	ug/l	97
3) Chloromethane	1.295	50	85795	49.100	ug/l	98
4) Vinyl Chloride	1.374	62	93147	50.118	ug/l	97
5) Bromomethane	1.593	94	53783	47.040	ug/l	97
6) Chloroethane	1.660	64	46342	40.921	ug/l	97
7) Trichlorofluoromethane	1.868	101	177461	53.407	ug/l	99
8) Diethyl Ether	2.130	74	57339	47.345	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	80458	50.762	ug/l	95
10) Methyl Iodide	2.441	142	96234	48.614	ug/l	95
11) Tert butyl alcohol	2.995	59	85927	227.811	ug/l	100
12) 1,1-Dichloroethene	2.307	96	72787	48.192	ug/l	91
13) Acrolein	2.233	56	89571	235.500	ug/l	99
14) Allyl chloride	2.654	41	127367	51.610	ug/l	91
15) Acrylonitrile	3.063	53	227832	259.090	ug/l	98
16) Acetone	2.386	43	257802	249.676	ug/l	92
17) Carbon Disulfide	2.496	76	153826	49.375	ug/l	99
18) Methyl Acetate	2.703	43	121774	50.643	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	275221	50.186	ug/l	99
20) Methylene Chloride	2.782	84	82274	46.954	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	76687	49.179	ug/l	94
22) Diisopropyl ether	3.758	45	264554	50.132	ug/l	91
23) Vinyl Acetate	3.715	43	1189170	263.425	ug/l	97
24) 1,1-Dichloroethane	3.599	63	153635	50.466	ug/l	98
25) 2-Butanone	4.556	43	348803	261.804	ug/l	96
26) 2,2-Dichloropropane	4.459	77	143910	52.343	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	95076	49.326	ug/l	94
28) Bromochloromethane	4.891	49	62874	46.920	ug/l	92
29) Tetrahydrofuran	5.001	42	207942	254.625	ug/l	98
30) Chloroform	5.080	83	163357	49.891	ug/l	96
31) Cyclohexane	5.458	56	128482	51.278	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	144908	51.320	ug/l	98
36) 1,1-Dichloropropene	5.678	75	108518	53.218	ug/l	98
37) Ethyl Acetate	4.709	43	133283	54.253	ug/l	95
38) Carbon Tetrachloride	5.660	117	118655	51.786	ug/l	96
39) Methylcyclohexane	7.373	83	141696	53.489	ug/l	97
40) Benzene	6.025	78	319222	50.257	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX112124

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 14:28:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 13:34:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	69766	53.357	ug/l	96
42) 1,2-Dichloroethane	6.074	62	128623	50.421	ug/l	97
43) Isopropyl Acetate	6.336	43	207332	51.469	ug/l	95
44) Trichloroethene	7.117	130	80113	44.554	ug/l	98
45) 1,2-Dichloropropane	7.422	63	74380	47.811	ug/l	100
46) Dibromomethane	7.574	93	62345	50.662	ug/l	97
47) Bromodichloromethane	7.818	83	116199	52.648	ug/l	98
48) Methyl methacrylate	7.690	41	101062	54.369	ug/l	88
49) 1,4-Dioxane	7.659	88	31178	1060.791	ug/l #	71
51) 4-Methyl-2-Pentanone	8.574	43	652721	265.520	ug/l	95
52) Toluene	8.714	92	195814	51.507	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	119461	53.077	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	128808	52.205	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	78575	50.069	ug/l	96
56) Ethyl methacrylate	9.116	69	129841	53.118	ug/l #	88
57) 1,3-Dichloropropane	9.305	76	134680	50.945	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	315358	238.224	ug/l	98
59) 2-Hexanone	9.427	43	504444	273.011	ug/l	94
60) Dibromochloromethane	9.519	129	82754	52.557	ug/l	100
61) 1,2-Dibromoethane	9.604	107	83098	52.367	ug/l	99
64) Tetrachloroethene	9.269	164	66054	50.396	ug/l	96
65) Chlorobenzene	10.073	112	209963	48.094	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	74354	52.515	ug/l	96
67) Ethyl Benzene	10.189	91	377215	50.991	ug/l	99
68) m/p-Xylenes	10.299	106	282971	102.572	ug/l	97
69) o-Xylene	10.640	106	138437	51.396	ug/l	97
70) Styrene	10.653	104	230449	51.728	ug/l	97
71) Bromoform	10.799	173	50837	44.797	ug/l #	100
73) Isopropylbenzene	10.957	105	365084	49.222	ug/l	98
74) N-amyl acetate	10.842	43	176627	51.406	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	125346	49.356	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	139865	66.099	ug/l	81
77) Bromobenzene	11.195	156	85070	48.081	ug/l	99
78) n-propylbenzene	11.305	91	419586	50.652	ug/l	99
79) 2-Chlorotoluene	11.360	91	249079	47.551	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	305922	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	38583	49.756	ug/l	94
82) 4-Chlorotoluene	11.451	91	287717	48.652	ug/l	100
83) tert-Butylbenzene	11.713	119	303408	50.165	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	306251	50.410	ug/l	99
85) sec-Butylbenzene	11.890	105	372793	50.307	ug/l	100
86) p-Isopropyltoluene	12.006	119	310060	51.511	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	153164	47.529	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	155422	48.010	ug/l	99
89) n-Butylbenzene	12.329	91	276075	52.020	ug/l	98
90) Hexachloroethane	12.536	117	51229	50.050	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	154980	47.656	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25968	51.030	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	94896	49.495	ug/l	99
94) Hexachlorobutadiene	13.725	225	37937	50.065	ug/l	98
95) Naphthalene	13.774	128	357725	51.831	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	99447	51.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 14:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:34:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

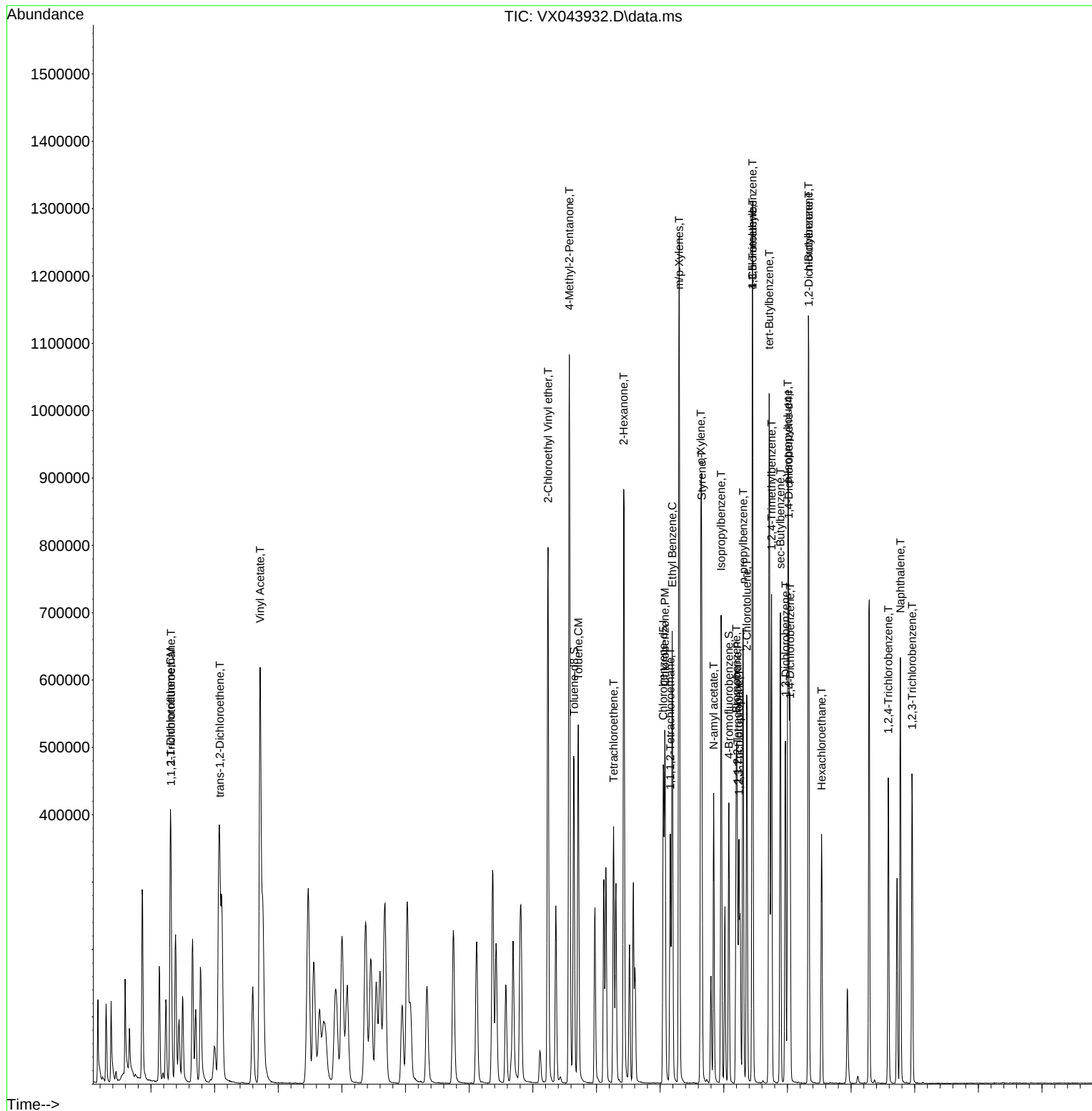
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX112124

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 14:28:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 13:34:26 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 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	95	0.00
2 T	Dichlorodifluoromethane	0.633	0.640	-1.1	89	0.00
3 P	Chloromethane	0.667	0.655	1.8	89	0.00
4 C	Vinyl Chloride	0.709	0.711	-0.3#	88	0.00
5 T	Bromomethane	0.436	0.410	6.0	87	0.00
6 T	Chloroethane	0.432	0.354	18.1	73	0.00
7 T	Trichlorofluoromethane	1.268	1.354	-6.8	94	0.00
8 T	Diethyl Ether	0.462	0.437	5.4	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.614	-1.5	88	0.00
10 T	Methyl Iodide	0.755	0.734	2.8	86	0.00
11 T	Tert butyl alcohol	0.138	0.131	5.1	86	0.00
12 CM	1,1-Dichloroethene	0.576	0.555	3.6#	88	0.00
13 T	Acrolein	0.145	0.137	5.5	89	0.00
14 T	Allyl chloride	0.941	0.972	-3.3	88	0.00
15 T	Acrylonitrile	0.335	0.348	-3.9	89	0.00
16 T	Acetone	0.394	0.393	0.3	88	0.00
17 T	Carbon Disulfide	1.188	1.174	1.2	86	0.00
18 T	Methyl Acetate	0.917	0.929	-1.3	89	0.00
19 T	Methyl tert-butyl Ether	2.092	2.100	-0.4	88	0.00
20 T	Methylene Chloride	0.668	0.628	6.0	89	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.585	1.7	87	0.00
22 T	Diisopropyl ether	2.013	2.018	-0.2	88	0.00
23 T	Vinyl Acetate	1.722	1.815	-5.4	88	0.00
24 P	1,1-Dichloroethane	1.161	1.172	-0.9	88	0.00
25 T	2-Butanone	0.508	0.532	-4.7	89	0.00
26 T	2,2-Dichloropropane	1.049	1.098	-4.7	91	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.725	1.4	87	0.00
28 T	Bromochloromethane	0.511	0.480	6.1	101	0.00
29 T	Tetrahydrofuran	0.312	0.317	-1.6	89	0.00
30 C	Chloroform	1.249	1.246	0.2#	90	0.00
31 T	Cyclohexane	0.956	0.980	-2.5	89	0.00
32 T	1,1,1-Trichloroethane	1.077	1.106	-2.7	88	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.861	-0.3	108	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35 S	Dibromofluoromethane	0.357	0.375	-5.0	109	0.00
36 T	1,1-Dichloropropene	0.445	0.474	-6.5	91	0.00
37 T	Ethyl Acetate	0.553	0.582	-5.2	90	0.00
38 T	Carbon Tetrachloride	0.500	0.518	-3.6	88	0.00
39 T	Methylcyclohexane	0.578	0.619	-7.1	89	0.00
40 TM	Benzene	1.387	1.394	-0.5	88	0.00
41 T	Methacrylonitrile	0.283	0.305	-7.8	88	0.00
42 TM	1,2-Dichloroethane	0.557	0.562	-0.9	88	0.00
43 T	Isopropyl Acetate	0.880	0.905	-2.8	88	0.00
44 TM	Trichloroethene	0.393	0.350	10.9	89	0.00
45 C	1,2-Dichloropropane	0.340	0.325	4.4#	83	0.00
46 T	Dibromomethane	0.269	0.272	-1.1	88	0.00
47 T	Bromodichloromethane	0.482	0.507	-5.2	88	0.00
48 T	Methyl methacrylate	0.422	0.441	-4.5	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.008	0.007	12.5	79	0.00
50 S	Toluene-d8	1.232	1.262	-2.4	108	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.570	-6.1	89	0.00
52 CM	Toluene	0.830	0.855	-3.0#	88	0.00
53 T	t-1,3-Dichloropropene	0.491	0.522	-6.3	87	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.562	-4.3	87	0.00
55 T	1,1,2-Trichloroethane	0.343	0.343	0.0	88	0.00
56 T	Ethyl methacrylate	0.534	0.567	-6.2	88	0.00
57 T	1,3-Dichloropropane	0.577	0.588	-1.9	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.275	-0.7	85	0.00
59 T	2-Hexanone	0.403	0.441	-9.4	89	0.00
60 T	Dibromochloromethane	0.344	0.361	-4.9	87	0.00
61 T	1,2-Dibromoethane	0.346	0.363	-4.9	89	0.00
62 S	4-Bromofluorobenzene	0.419	0.453	-8.1	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.330	0.332	-0.6	89	0.00
65 PM	Chlorobenzene	1.098	1.056	3.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.374	-5.1	89	0.00
67 C	Ethyl Benzene	1.861	1.898	-2.0#	88	0.00
68 T	m/p-Xylenes	0.694	0.712	-2.6	87	0.00
69 T	o-Xylene	0.678	0.696	-2.7	86	0.00
70 T	Styrene	1.121	1.159	-3.4	86	0.00
71 P	Bromoform	0.240	0.256	-6.7	84	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73 T	Isopropylbenzene	3.843	3.784	1.5	89	0.00
74 T	N-amyl acetate	1.780	1.831	-2.9	88	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.299	1.3	90	0.00
76 T	1,2,3-Trichloropropane	1.096	1.096	0.0	89	0.00
77 T	Bromobenzene	0.917	0.882	3.8	87	0.00
78 T	n-propylbenzene	4.293	4.349	-1.3	88	0.00
79 T	2-Chlorotoluene	2.714	2.581	4.9	87	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.171	-0.3	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.400	0.5	87	0.00
82 T	4-Chlorotoluene	3.064	2.982	2.7	86	0.00
83 T	tert-Butylbenzene	3.134	3.144	-0.3	88	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.174	-0.8	89	0.00
85 T	sec-Butylbenzene	3.840	3.864	-0.6	87	0.00
86 T	p-Isopropyltoluene	3.119	3.213	-3.0	88	0.00
87 T	1,3-Dichlorobenzene	1.670	1.587	5.0	87	0.00
88 T	1,4-Dichlorobenzene	1.702	1.611	5.3	87	0.00
89 T	n-Butylbenzene	2.750	2.861	-4.0	86	0.00
90 T	Hexachloroethane	0.530	0.531	-0.2	87	0.00
91 T	1,2-Dichlorobenzene	1.685	1.606	4.7	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.269	-1.9	91	0.00
93 T	1,2,4-Trichlorobenzene	0.994	0.983	1.1	87	0.00
94 T	Hexachlorobutadiene	0.393	0.393	0.0	92	0.00
95 T	Naphthalene	3.576	3.707	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICV VX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 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	1.006	1.031	-2.5	89	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 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	95	0.00
2 T	Dichlorodifluoromethane	50.000	50.537	-1.1	89	0.00
3 P	Chloromethane	50.000	49.100	1.8	89	0.00
4 C	Vinyl Chloride	50.000	50.118	-0.2#	88	0.00
5 T	Bromomethane	50.000	47.040	5.9	87	0.00
6 T	Chloroethane	50.000	40.921	18.2	73	0.00
7 T	Trichlorofluoromethane	50.000	53.407	-6.8	94	0.00
8 T	Diethyl Ether	50.000	47.345	5.3	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.762	-1.5	88	0.00
10 T	Methyl Iodide	50.000	48.614	2.8	86	0.00
11 T	Tert butyl alcohol	250.000	238.127	4.7	86	0.00
12 CM	1,1-Dichloroethene	50.000	48.192	3.6#	88	0.00
13 T	Acrolein	250.000	235.500	5.8	89	0.00
14 T	Allyl chloride	50.000	51.610	-3.2	88	0.00
15 T	Acrylonitrile	250.000	259.090	-3.6	89	0.00
16 T	Acetone	250.000	249.676	0.1	88	0.00
17 T	Carbon Disulfide	50.000	49.375	1.3	86	0.00
18 T	Methyl Acetate	50.000	50.643	-1.3	89	0.00
19 T	Methyl tert-butyl Ether	50.000	50.186	-0.4	88	0.00
20 T	Methylene Chloride	50.000	46.954	6.1	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.179	1.6	87	0.00
22 T	Diisopropyl ether	50.000	50.132	-0.3	88	0.00
23 T	Vinyl Acetate	250.000	263.441	-5.4	88	0.00
24 P	1,1-Dichloroethane	50.000	50.466	-0.9	88	0.00
25 T	2-Butanone	250.000	261.804	-4.7	89	0.00
26 T	2,2-Dichloropropane	50.000	52.343	-4.7	91	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.326	1.3	87	0.00
28 T	Bromochloromethane	50.000	46.920	6.2	101	0.00
29 T	Tetrahydrofuran	250.000	254.585	-1.8	89	0.00
30 C	Chloroform	50.000	49.891	0.2#	90	0.00
31 T	Cyclohexane	50.000	51.278	-2.6	89	0.00
32 T	1,1,1-Trichloroethane	50.000	51.320	-2.6	88	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.183	-0.4	108	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35 S	Dibromofluoromethane	50.000	52.442	-4.9	109	0.00
36 T	1,1-Dichloropropene	50.000	53.218	-6.4	91	0.00
37 T	Ethyl Acetate	50.000	52.656	-5.3	90	0.00
38 T	Carbon Tetrachloride	50.000	51.786	-3.6	88	0.00
39 T	Methylcyclohexane	50.000	53.489	-7.0	89	0.00
40 TM	Benzene	50.000	50.257	-0.5	88	0.00
41 T	Methacrylonitrile	50.000	53.851	-7.7	88	0.00
42 TM	1,2-Dichloroethane	50.000	50.421	-0.8	88	0.00
43 T	Isopropyl Acetate	50.000	51.469	-2.9	88	0.00
44 TM	Trichloroethene	50.000	44.554	10.9	89	0.00
45 C	1,2-Dichloropropane	50.000	47.811	4.4#	83	0.00
46 T	Dibromomethane	50.000	50.662	-1.3	88	0.00
47 T	Bromodichloromethane	50.000	52.648	-5.3	88	0.00
48 T	Methyl methacrylate	50.000	52.284	-4.6	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043932.D
 Acq On : 21 Nov 2024 13:57
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 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	905.506	9.4	79	0.00
50 S	Toluene-d8	50.000	51.234	-2.5	108	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.520	-6.2	89	0.00
52 CM	Toluene	50.000	51.507	-3.0#	88	0.00
53 T	t-1,3-Dichloropropene	50.000	53.077	-6.2	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.205	-4.4	87	0.00
55 T	1,1,2-Trichloroethane	50.000	50.069	-0.1	88	0.00
56 T	Ethyl methacrylate	50.000	53.118	-6.2	88	0.00
57 T	1,3-Dichloropropane	50.000	50.945	-1.9	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	235.230	5.9	85	0.00
59 T	2-Hexanone	250.000	273.011	-9.2	89	0.00
60 T	Dibromochloromethane	50.000	52.557	-5.1	87	0.00
61 T	1,2-Dibromoethane	50.000	52.367	-4.7	89	0.00
62 S	4-Bromofluorobenzene	50.000	53.987	-8.0	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	50.396	-0.8	89	0.00
65 PM	Chlorobenzene	50.000	48.094	3.8	86	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.515	-5.0	89	0.00
67 C	Ethyl Benzene	50.000	50.991	-2.0#	88	0.00
68 T	m/p-Xylenes	100.000	102.572	-2.6	87	0.00
69 T	o-Xylene	50.000	51.396	-2.8	86	0.00
70 T	Styrene	50.000	51.728	-3.5	86	0.00
71 P	Bromoform	50.000	47.449	5.1	84	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73 T	Isopropylbenzene	50.000	49.222	1.6	89	0.00
74 T	N-amyl acetate	50.000	51.406	-2.8	88	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.356	1.3	90	0.00
76 T	1,2,3-Trichloropropane	50.000	49.973	0.1	89	0.00
77 T	Bromobenzene	50.000	48.081	3.8	87	0.00
78 T	n-propylbenzene	50.000	50.652	-1.3	88	0.00
79 T	2-Chlorotoluene	50.000	47.551	4.9	87	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.756	0.5	87	0.00
82 T	4-Chlorotoluene	50.000	48.652	2.7	86	0.00
83 T	tert-Butylbenzene	50.000	50.165	-0.3	88	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.410	-0.8	89	0.00
85 T	sec-Butylbenzene	50.000	50.307	-0.6	87	0.00
86 T	p-Isopropyltoluene	50.000	51.511	-3.0	88	0.00
87 T	1,3-Dichlorobenzene	50.000	47.529	4.9	87	0.00
88 T	1,4-Dichlorobenzene	50.000	47.306	5.4	87	0.00
89 T	n-Butylbenzene	50.000	52.020	-4.0	86	0.00
90 T	Hexachloroethane	50.000	50.050	-0.1	87	0.00
91 T	1,2-Dichlorobenzene	50.000	47.656	4.7	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.030	-2.1	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.495	1.0	87	0.00
94 T	Hexachlorobutadiene	50.000	50.065	-0.1	92	0.00
95 T	Naphthalene	50.000	51.831	-3.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICV VX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.246	-2.5	89	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02
 Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG No.: P4886
 Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27
 Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.633	0.589		-6.95	20
Chloromethane	0.667	0.624	0.1	-6.45	20
Vinyl Chloride	0.709	0.656		-7.47	20
Ethyl Acetate	0.553	0.512		-7.41	20
Bromomethane	0.436	0.450		3.21	20
Chloroethane	0.432	0.419		-3.01	20
Trichlorofluoromethane	1.268	1.137		-10.33	20
1,1,2-Trichlorotrifluoroethane	0.605	0.576		-4.79	20
Tert butyl alcohol	0.138	0.121		-12.32	20
1,1-Dichloroethene	0.576	0.531		-7.81	20
Acrolein	0.145	0.130		-10.35	20
Acrylonitrile	0.335	0.321		-4.18	20
Acetone	0.394	0.361		-8.38	20
Carbon Disulfide	1.188	1.050		-11.62	20
Methyl tert-butyl Ether	2.092	2.024		-3.25	20
Methyl Acetate	0.917	0.854		-6.87	20
Methylene Chloride	0.668	0.625		-6.44	20
trans-1,2-Dichloroethene	0.595	0.560		-5.88	20
Vinyl Acetate	1.722	1.711		-0.64	20
1,1-Dichloroethane	1.161	1.131	0.1	-2.58	20
Cyclohexane	0.956	0.884		-7.53	20
2-Butanone	0.508	0.480		-5.51	20
Carbon Tetrachloride	0.500	0.507		1.4	20
2,2-Dichloropropane	1.049	0.994		-5.24	20
cis-1,2-Dichloroethene	0.735	0.712		-3.13	20
Bromochloromethane	0.511	0.489		-4.3	20
Chloroform	1.249	1.232		-1.36	20
1,1,1-Trichloroethane	1.077	1.056		-1.95	20
Methylcyclohexane	0.578	0.553		-4.32	20
1,1-Dichloropropene	0.445	0.437		-1.8	20
Benzene	1.387	1.357		-2.16	20
1,2-Dichloroethane	0.557	0.546		-1.98	20
Trichloroethene	0.393	0.334		-15.01	20
1,2-Dichloropropane	0.340	0.339		-0.29	20
Dibromomethane	0.269	0.271		0.74	20
Bromodichloromethane	0.482	0.500		3.73	20
4-Methyl-2-Pentanone	0.537	0.513		-4.47	20
Toluene	0.830	0.830		0	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG No.: P4886

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.491	0.507		3.26	20
cis-1,3-Dichloropropene	0.539	0.543		0.74	20
1,1,2-Trichloroethane	0.343	0.336		-2.04	20
1,3-Dichloropropane	0.577	0.576		-0.17	20
2-Chloroethyl Vinyl ether	0.273	0.266		-2.56	20
2-Hexanone	0.403	0.390		-3.23	20
Dibromochloromethane	0.344	0.356		3.49	20
1,2-Dibromoethane	0.346	0.344		-0.58	20
Tetrachloroethene	0.330	0.331		0.3	20
Chlorobenzene	1.098	1.081	0.3	-1.55	20
1,1,1,2-Tetrachloroethane	0.356	0.372		4.49	20
Hexachloroethane	0.530	0.516		-2.64	20
Ethyl Benzene	1.861	1.882		1.13	20
m/p-Xylenes	0.694	0.706		1.73	20
o-Xylene	0.678	0.678		0	20
Styrene	1.121	1.173		4.64	20
Bromoform	0.240	0.248	0.1	3.33	20
Isopropylbenzene	3.843	3.702		-3.67	20
1,1,2,2-Tetrachloroethane	1.316	1.246	0.3	-5.32	20
1,2,3-Trichloropropane	1.096	1.039		-5.2	20
Bromobenzene	0.917	0.887		-3.27	20
n-propylbenzene	4.293	4.283		-0.23	20
2-Chlorotoluene	2.714	2.595		-4.39	20
1,3,5-Trimethylbenzene	3.162	3.142		-0.63	20
4-Chlorotoluene	3.064	2.978		-2.81	20
tert-Butylbenzene	3.134	3.087		-1.5	20
1,2,4-Trimethylbenzene	3.148	3.147		-0.03	20
sec-Butylbenzene	3.840	3.823		-0.44	20
p-Isopropyltoluene	3.119	3.229		3.53	20
1,3-Dichlorobenzene	1.670	1.624		-2.75	20
1,4-Dichlorobenzene	1.702	1.617		-4.99	20
n-Butylbenzene	2.750	2.805		2	20
1,2-Dichlorobenzene	1.685	1.638		-2.79	20
1,2-Dibromo-3-Chloropropane	0.264	0.243		-7.95	20
1,2,4-Trichlorobenzene	0.994	0.954		-4.02	20
Hexachlorobutadiene	0.393	0.381		-3.05	20
Naphthalene	3.576	3.528		-1.34	20
1,2,3-Trichlorobenzene	1.006	0.977		-2.88	20

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4886 SAS No.: P4886 SDG No.: P4886

Instrument ID: MSVOA_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.858	0.840		-2.1	20
Dibromofluoromethane	0.357	0.360		0.84	20
Toluene-d8	1.232	1.227		-0.41	20
4-Bromofluorobenzene	0.419	0.426		1.67	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\VX112524\
 Data File : VX043977.D
 Acq On : 25 Nov 2024 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:43:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	132560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	232543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94886	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	111407	49.000	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.000%
35) Dibromofluoromethane	5.373	113	83636	50.333	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.660%
50) Toluene-d8	8.646	98	285275	49.805	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.620%
62) 4-Bromofluorobenzene	11.079	95	98993	50.783	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.560%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	78031	46.466	ug/l	97
3) Chloromethane	1.294	50	82659	46.775	ug/l	100
4) Vinyl Chloride	1.373	62	86898	46.231	ug/l	97
5) Bromomethane	1.593	94	59627	51.566	ug/l	100
6) Chloroethane	1.666	64	55513	48.469	ug/l	98
7) Trichlorofluoromethane	1.867	101	150681	44.839	ug/l	98
8) Diethyl Ether	2.129	74	57910	47.280	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	76375	47.646	ug/l	99
10) Methyl Iodide	2.440	142	95686	47.795	ug/l	98
11) Tert butyl alcohol	2.995	59	80418	220.360	ug/l	99
12) 1,1-Dichloroethene	2.306	96	70387	46.080	ug/l	97
13) Acrolein	2.233	56	86322	224.411	ug/l	98
14) Allyl chloride	2.654	41	117463	47.063	ug/l	98
15) Acrylonitrile	3.062	53	212767	239.244	ug/l	98
16) Acetone	2.379	43	239021	228.890	ug/l	99
17) Carbon Disulfide	2.501	76	139122	44.155	ug/l	97
18) Methyl Acetate	2.702	43	113156	46.531	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	268289	48.373	ug/l	98
20) Methylene Chloride	2.782	84	82791	46.719	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	74174	47.034	ug/l	99
22) Diisopropyl ether	3.757	45	262616	49.207	ug/l	97
23) Vinyl Acetate	3.714	43	1133947	248.374	ug/l	99
24) 1,1-Dichloroethane	3.605	63	149933	48.697	ug/l	100
25) 2-Butanone	4.556	43	318432	236.327	ug/l	100
26) 2,2-Dichloropropane	4.464	77	131754	47.384	ug/l	100
27) cis-1,2-Dichloroethene	4.476	96	94434	48.444	ug/l	98
28) Bromochloromethane	4.891	49	64856	47.856	ug/l	99
29) Tetrahydrofuran	5.001	42	192450	232.975	ug/l	98
30) Chloroform	5.086	83	163376	49.337	ug/l	93
31) Cyclohexane	5.458	56	117118	46.218	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	139993	49.023	ug/l	99
36) 1,1-Dichloropropene	5.684	75	101514	49.026	ug/l	98
37) Ethyl Acetate	4.708	43	118947	46.278	ug/l	98
38) Carbon Tetrachloride	5.671	117	117996	50.716	ug/l	99
39) Methylcyclohexane	7.372	83	128697	47.843	ug/l	96
40) Benzene	6.031	78	315624	48.936	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043977.D
 Acq On : 25 Nov 2024 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	63274	48.098	ug/l	95
42) 1,2-Dichloroethane	6.080	62	126975	49.018	ug/l	98
43) Isopropyl Acetate	6.336	43	197344	48.245	ug/l	99
44) Trichloroethene	7.116	130	77683	42.546	ug/l	94
45) 1,2-Dichloropropane	7.427	63	78811	49.890	ug/l	96
46) Dibromomethane	7.573	93	62964	50.387	ug/l	98
47) Bromodichloromethane	7.817	83	116299	51.893	ug/l	99
48) Methyl methacrylate	7.689	41	94692	48.244	ug/l	98
49) 1,4-Dioxane	7.665	88	30394	869.321	ug/l #	83
51) 4-Methyl-2-Pentanone	8.573	43	596153	238.823	ug/l	100
52) Toluene	8.713	92	193103	50.022	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	117928	51.600	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	126204	50.373	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	78203	49.075	ug/l	98
56) Ethyl methacrylate	9.116	69	122941	49.531	ug/l	99
57) 1,3-Dichloropropane	9.305	76	133878	49.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	308826	226.771	ug/l	99
59) 2-Hexanone	9.427	43	453330	241.619	ug/l	100
60) Dibromochloromethane	9.518	129	82843	51.814	ug/l	99
61) 1,2-Dibromoethane	9.610	107	79994	49.645	ug/l	98
64) Tetrachloroethene	9.268	164	64988	50.133	ug/l	98
65) Chlorobenzene	10.079	112	212422	49.197	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	73082	52.189	ug/l	98
67) Ethyl Benzene	10.189	91	369929	50.561	ug/l	99
68) m/p-Xylenes	10.299	106	277477	101.696	ug/l	100
69) o-Xylene	10.640	106	133377	50.067	ug/l	97
70) Styrene	10.652	104	230674	52.353	ug/l	99
71) Bromoform	10.798	173	48701	46.066	ug/l #	97
73) Isopropylbenzene	10.957	105	351294	48.163	ug/l	100
74) N-amyl acetate	10.841	43	163405	48.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	118187	47.323	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	98609m	47.389	ug/l	
77) Bromobenzene	11.195	156	84168	48.374	ug/l	98
78) n-propylbenzene	11.304	91	406428	49.892	ug/l	99
79) 2-Chlorotoluene	11.359	91	246237	47.802	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	298167	49.689	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	35040	45.951	ug/l	97
82) 4-Chlorotoluene	11.451	91	282543	48.585	ug/l	99
83) tert-Butylbenzene	11.713	119	292877	49.242	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	298636	49.987	ug/l	99
85) sec-Butylbenzene	11.890	105	362725	49.775	ug/l	100
86) p-Isopropyltoluene	12.006	119	306406	51.764	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	154082	48.622	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	153444	47.493	ug/l	98
89) n-Butylbenzene	12.329	91	266108	50.989	ug/l	100
90) Hexachloroethane	12.536	117	48961	48.643	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	155387	48.588	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23083	46.127	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	90486	47.992	ug/l	98
94) Hexachlorobutadiene	13.725	225	36196	48.575	ug/l	97
95) Naphthalene	13.774	128	334769	49.325	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	92716	48.584	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

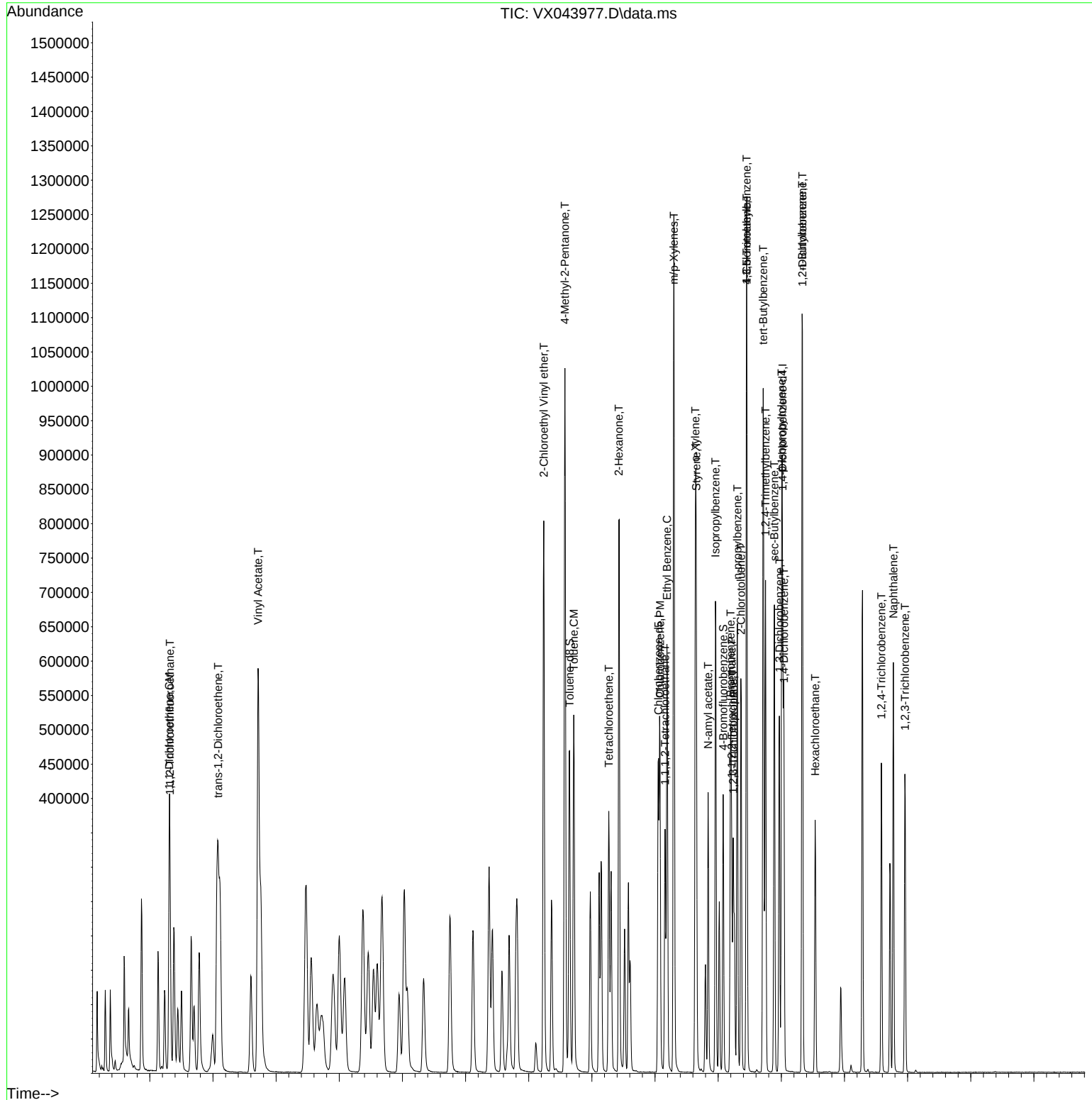
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043977.D
 Acq On : 25 Nov 2024 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
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 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	96	0.00
2 T	Dichlorodifluoromethane	0.633	0.589	7.0	82	0.00
3 P	Chloromethane	0.667	0.624	6.4	86	0.00
4 C	Vinyl Chloride	0.709	0.656	7.5#	82	0.00
5 T	Bromomethane	0.436	0.450	-3.2	97	0.00
6 T	Chloroethane	0.432	0.419	3.0	87	0.00
7 T	Trichlorofluoromethane	1.268	1.137	10.3	80	0.00
8 T	Diethyl Ether	0.462	0.437	5.4	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.605	0.576	4.8	84	0.00
10 T	Methyl Iodide	0.755	0.722	4.4	85	0.00
11 T	Tert butyl alcohol	0.138	0.121	12.3	80	0.00
12 CM	1,1-Dichloroethene	0.576	0.531	7.8#	85	0.00
13 T	Acrolein	0.145	0.130	10.3	86	0.00
14 T	Allyl chloride	0.941	0.886	5.8	81	0.00
15 T	Acrylonitrile	0.335	0.321	4.2	83	0.00
16 T	Acetone	0.394	0.361	8.4	81	0.00
17 T	Carbon Disulfide	1.188	1.050	11.6	78	0.00
18 T	Methyl Acetate	0.917	0.854	6.9	83	0.00
19 T	Methyl tert-butyl Ether	2.092	2.024	3.3	86	0.00
20 T	Methylene Chloride	0.668	0.625	6.4	90	0.00
21 T	trans-1,2-Dichloroethene	0.595	0.560	5.9	85	0.00
22 T	Diisopropyl ether	2.013	1.981	1.6	88	0.00
23 T	Vinyl Acetate	1.722	1.711	0.6	84	0.00
24 P	1,1-Dichloroethane	1.161	1.131	2.6	86	0.00
25 T	2-Butanone	0.508	0.480	5.5	81	0.00
26 T	2,2-Dichloropropane	1.049	0.994	5.2	83	0.00
27 T	cis-1,2-Dichloroethene	0.735	0.712	3.1	86	0.00
28 T	Bromochloromethane	0.511	0.489	4.3	104	0.00
29 T	Tetrahydrofuran	0.312	0.290	7.1	82	0.00
30 C	Chloroform	1.249	1.232	1.4#	90	0.00
31 T	Cyclohexane	0.956	0.884	7.5	81	0.00
32 T	1,1,1-Trichloroethane	1.077	1.056	1.9	85	0.00
33 S	1,2-Dichloroethane-d4	0.858	0.840	2.1	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35 S	Dibromofluoromethane	0.357	0.360	-0.8	106	0.00
36 T	1,1-Dichloropropene	0.445	0.437	1.8	85	0.00
37 T	Ethyl Acetate	0.553	0.512	7.4	81	0.00
38 T	Carbon Tetrachloride	0.500	0.507	-1.4	88	0.00
39 T	Methylcyclohexane	0.578	0.553	4.3	81	0.00
40 TM	Benzene	1.387	1.357	2.2	87	0.00
41 T	Methacrylonitrile	0.283	0.272	3.9	80	0.00
42 TM	1,2-Dichloroethane	0.557	0.546	2.0	87	0.00
43 T	Isopropyl Acetate	0.880	0.849	3.5	84	0.00
44 TM	Trichloroethene	0.393	0.334	15.0	86	0.00
45 C	1,2-Dichloropropane	0.340	0.339	0.3#	88	0.00
46 T	Dibromomethane	0.269	0.271	-0.7	89	0.00
47 T	Bromodichloromethane	0.482	0.500	-3.7	89	0.00
48 T	Methyl methacrylate	0.422	0.407	3.6	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043977.D
 Acq On : 25 Nov 2024 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.008	0.007	12.5	77	0.00
50 S	Toluene-d8	1.232	1.227	0.4	107	0.00
51 T	4-Methyl-2-Pentanone	0.537	0.513	4.5	81	0.00
52 CM	Toluene	0.830	0.830	0.0	87	0.00
53 T	t-1,3-Dichloropropene	0.491	0.507	-3.3	86	0.00
54 T	cis-1,3-Dichloropropene	0.539	0.543	-0.7	85	0.00
55 T	1,1,2-Trichloroethane	0.343	0.336	2.0	87	0.00
56 T	Ethyl methacrylate	0.534	0.529	0.9	83	0.00
57 T	1,3-Dichloropropane	0.577	0.576	0.2	89	0.00
58 T	2-Chloroethyl Vinyl ether	0.273	0.266	2.6	83	0.00
59 T	2-Hexanone	0.403	0.390	3.2	80	0.00
60 T	Dibromochloromethane	0.344	0.356	-3.5	87	0.00
61 T	1,2-Dibromoethane	0.346	0.344	0.6	86	0.00
62 S	4-Bromofluorobenzene	0.419	0.426	-1.7	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64 T	Tetrachloroethene	0.330	0.331	-0.3	88	0.00
65 PM	Chlorobenzene	1.098	1.081	1.5	87	0.00
66 T	1,1,1,2-Tetrachloroethane	0.356	0.372	-4.5	87	0.00
67 C	Ethyl Benzene	1.861	1.882	-1.1#	86	0.00
68 T	m/p-Xylenes	0.694	0.706	-1.7	86	0.00
69 T	o-Xylene	0.678	0.678	0.0	83	0.00
70 T	Styrene	1.121	1.173	-4.6	86	0.00
71 P	Bromoform	0.240	0.248	-3.3	81	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	3.843	3.702	3.7	85	0.00
74 T	N-amyl acetate	1.780	1.722	3.3	82	0.00
75 P	1,1,2,2-Tetrachloroethane	1.316	1.246	5.3	85	0.00
76 T	1,2,3-Trichloropropane	1.096	1.039	5.2	83	0.00
77 T	Bromobenzene	0.917	0.887	3.3	86	0.00
78 T	n-propylbenzene	4.293	4.283	0.2	86	0.00
79 T	2-Chlorotoluene	2.714	2.595	4.4	86	0.00
80 T	1,3,5-Trimethylbenzene	3.162	3.142	0.6	86	0.00
81 T	trans-1,4-Dichloro-2-butene	0.402	0.369	8.2	79	0.00
82 T	4-Chlorotoluene	3.064	2.978	2.8	85	0.00
83 T	tert-Butylbenzene	3.134	3.087	1.5	85	0.00
84 T	1,2,4-Trimethylbenzene	3.148	3.147	0.0	87	0.00
85 T	sec-Butylbenzene	3.840	3.823	0.4	85	0.00
86 T	p-Isopropyltoluene	3.119	3.229	-3.5	87	0.00
87 T	1,3-Dichlorobenzene	1.670	1.624	2.8	87	0.00
88 T	1,4-Dichlorobenzene	1.702	1.617	5.0	86	0.00
89 T	n-Butylbenzene	2.750	2.805	-2.0	83	0.00
90 T	Hexachloroethane	0.530	0.516	2.6	83	0.00
91 T	1,2-Dichlorobenzene	1.685	1.638	2.8	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.264	0.243	8.0	81	0.00
93 T	1,2,4-Trichlorobenzene	0.994	0.954	4.0	83	0.00
94 T	Hexachlorobutadiene	0.393	0.381	3.1	88	0.00
95 T	Naphthalene	3.576	3.528	1.3	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 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	1.006	0.977	2.9	83	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043977.D
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	96	0.00
2 T	Dichlorodifluoromethane	50.000	46.466	7.1	82	0.00
3 P	Chloromethane	50.000	46.775	6.5	86	0.00
4 C	Vinyl Chloride	50.000	46.231	7.5#	82	0.00
5 T	Bromomethane	50.000	51.566	-3.1	97	0.00
6 T	Chloroethane	50.000	48.469	3.1	87	0.00
7 T	Trichlorofluoromethane	50.000	44.839	10.3	80	0.00
8 T	Diethyl Ether	50.000	47.280	5.4	88	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.646	4.7	84	0.00
10 T	Methyl Iodide	50.000	47.795	4.4	85	0.00
11 T	Tert butyl alcohol	250.000	220.360	11.9	80	0.00
12 CM	1,1-Dichloroethene	50.000	46.080	7.8#	85	0.00
13 T	Acrolein	250.000	224.411	10.2	86	0.00
14 T	Allyl chloride	50.000	47.063	5.9	81	0.00
15 T	Acrylonitrile	250.000	239.244	4.3	83	0.00
16 T	Acetone	250.000	228.890	8.4	81	0.00
17 T	Carbon Disulfide	50.000	44.155	11.7	78	0.00
18 T	Methyl Acetate	50.000	46.531	6.9	83	0.00
19 T	Methyl tert-butyl Ether	50.000	48.373	3.3	86	0.00
20 T	Methylene Chloride	50.000	46.719	6.6	90	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.034	5.9	85	0.00
22 T	Diisopropyl ether	50.000	49.207	1.6	88	0.00
23 T	Vinyl Acetate	250.000	248.374	0.7	84	0.00
24 P	1,1-Dichloroethane	50.000	48.697	2.6	86	0.00
25 T	2-Butanone	250.000	236.327	5.5	81	0.00
26 T	2,2-Dichloropropane	50.000	47.384	5.2	83	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.444	3.1	86	0.00
28 T	Bromochloromethane	50.000	47.856	4.3	104	0.00
29 T	Tetrahydrofuran	250.000	232.975	6.8	82	0.00
30 C	Chloroform	50.000	49.337	1.3#	90	0.00
31 T	Cyclohexane	50.000	46.218	7.6	81	0.00
32 T	1,1,1-Trichloroethane	50.000	49.023	2.0	85	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.000	2.0	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35 S	Dibromofluoromethane	50.000	50.333	-0.7	106	0.00
36 T	1,1-Dichloropropene	50.000	49.026	1.9	85	0.00
37 T	Ethyl Acetate	50.000	46.278	7.4	81	0.00
38 T	Carbon Tetrachloride	50.000	50.716	-1.4	88	0.00
39 T	Methylcyclohexane	50.000	47.843	4.3	81	0.00
40 TM	Benzene	50.000	48.936	2.1	87	0.00
41 T	Methacrylonitrile	50.000	48.098	3.8	80	0.00
42 TM	1,2-Dichloroethane	50.000	49.018	2.0	87	0.00
43 T	Isopropyl Acetate	50.000	48.245	3.5	84	0.00
44 TM	Trichloroethene	50.000	42.546	14.9	86	0.00
45 C	1,2-Dichloropropane	50.000	49.890	0.2#	88	0.00
46 T	Dibromomethane	50.000	50.387	-0.8	89	0.00
47 T	Bromodichloromethane	50.000	51.893	-3.8	89	0.00
48 T	Methyl methacrylate	50.000	48.244	3.5	84	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043977.D
 Acq On : 25 Nov 2024 11:27
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 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	869.321	13.1	77	0.00
50 S	Toluene-d8	50.000	49.805	0.4	107	0.00
51 T	4-Methyl-2-Pentanone	250.000	238.823	4.5	81	0.00
52 CM	Toluene	50.000	50.022	-0.0#	87	0.00
53 T	t-1,3-Dichloropropene	50.000	51.600	-3.2	86	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.373	-0.7	85	0.00
55 T	1,1,2-Trichloroethane	50.000	49.075	1.8	87	0.00
56 T	Ethyl methacrylate	50.000	49.531	0.9	83	0.00
57 T	1,3-Dichloropropane	50.000	49.872	0.3	89	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	226.771	9.3	83	0.00
59 T	2-Hexanone	250.000	241.619	3.4	80	0.00
60 T	Dibromochloromethane	50.000	51.814	-3.6	87	0.00
61 T	1,2-Dibromoethane	50.000	49.645	0.7	86	0.00
62 S	4-Bromofluorobenzene	50.000	50.783	-1.6	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64 T	Tetrachloroethene	50.000	50.133	-0.3	88	0.00
65 PM	Chlorobenzene	50.000	49.197	1.6	87	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.189	-4.4	87	0.00
67 C	Ethyl Benzene	50.000	50.561	-1.1#	86	0.00
68 T	m/p-Xylenes	100.000	101.696	-1.7	86	0.00
69 T	o-Xylene	50.000	50.067	-0.1	83	0.00
70 T	Styrene	50.000	52.353	-4.7	86	0.00
71 P	Bromoform	50.000	46.066	7.9	81	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	48.163	3.7	85	0.00
74 T	N-amyl acetate	50.000	48.361	3.3	82	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.323	5.4	85	0.00
76 T	1,2,3-Trichloropropane	50.000	47.389	5.2	83	0.00
77 T	Bromobenzene	50.000	48.374	3.3	86	0.00
78 T	n-propylbenzene	50.000	49.892	0.2	86	0.00
79 T	2-Chlorotoluene	50.000	47.802	4.4	86	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.689	0.6	86	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.951	8.1	79	0.00
82 T	4-Chlorotoluene	50.000	48.585	2.8	85	0.00
83 T	tert-Butylbenzene	50.000	49.242	1.5	85	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.987	0.0	87	0.00
85 T	sec-Butylbenzene	50.000	49.775	0.5	85	0.00
86 T	p-Isopropyltoluene	50.000	51.764	-3.5	87	0.00
87 T	1,3-Dichlorobenzene	50.000	48.622	2.8	87	0.00
88 T	1,4-Dichlorobenzene	50.000	47.493	5.0	86	0.00
89 T	n-Butylbenzene	50.000	50.989	-2.0	83	0.00
90 T	Hexachloroethane	50.000	48.643	2.7	83	0.00
91 T	1,2-Dichlorobenzene	50.000	48.588	2.8	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.127	7.7	81	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.992	4.0	83	0.00
94 T	Hexachlorobutadiene	50.000	48.575	2.8	88	0.00
95 T	Naphthalene	50.000	49.325	1.3	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043977.D
Acq On : 25 Nov 2024 11:27
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 26 00:43:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 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	48.584	2.8	83	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



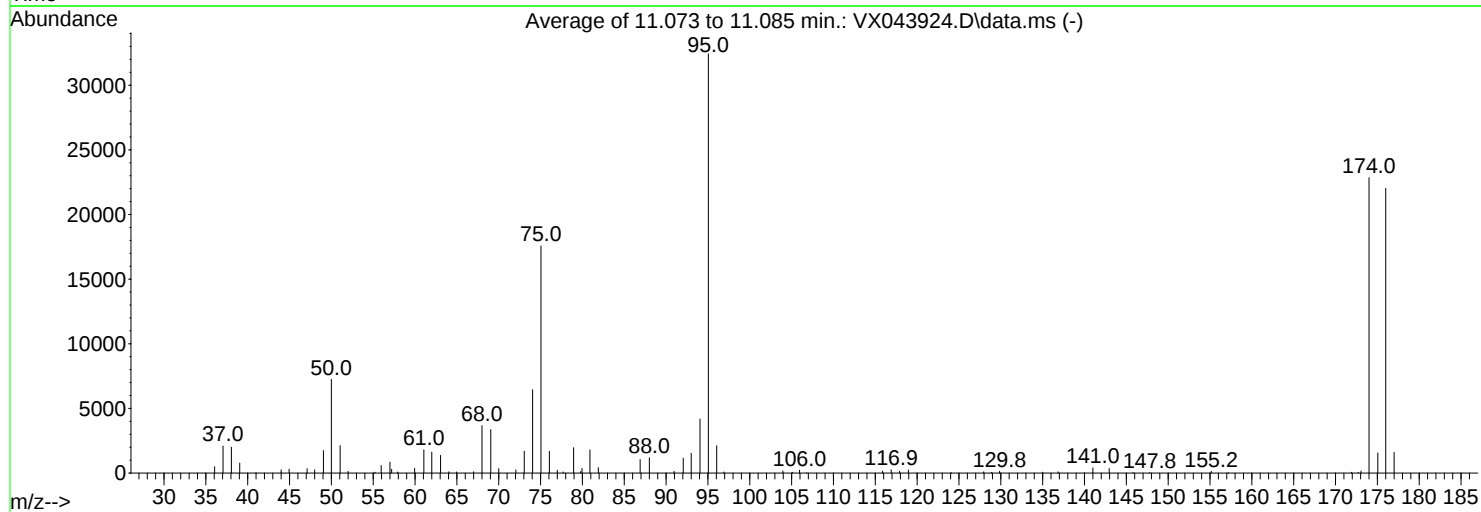
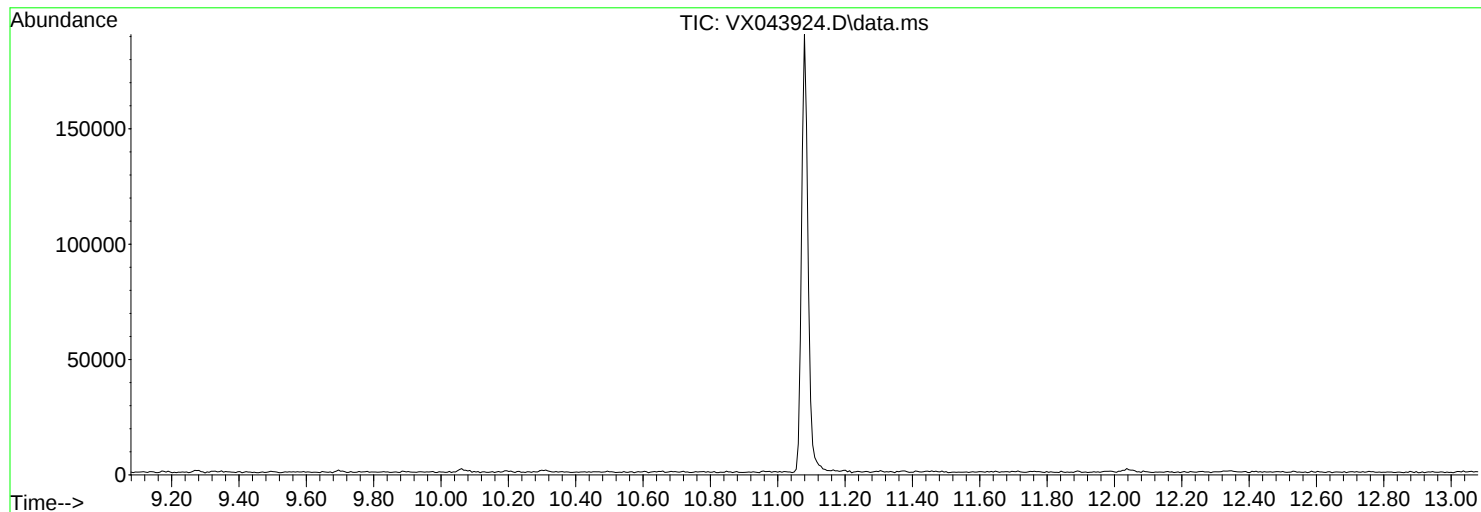
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043924.D
Acq On : 21 Nov 2024 08:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Title : SW846 8260
Last Update : Fri Nov 22 00:18:05 2024



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

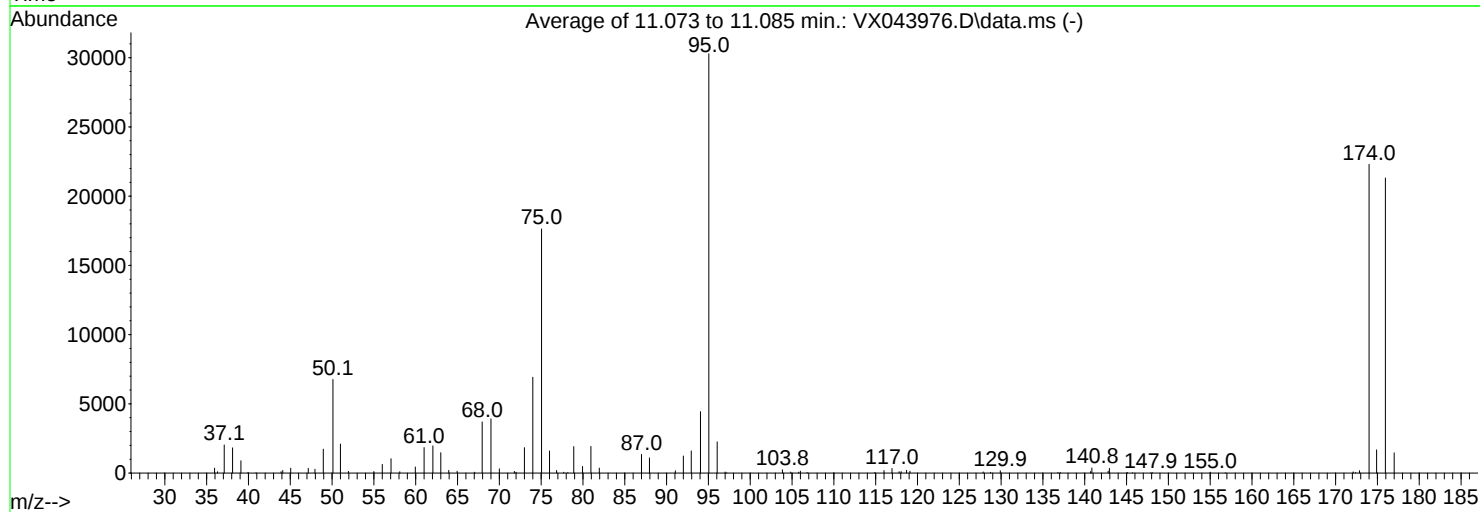
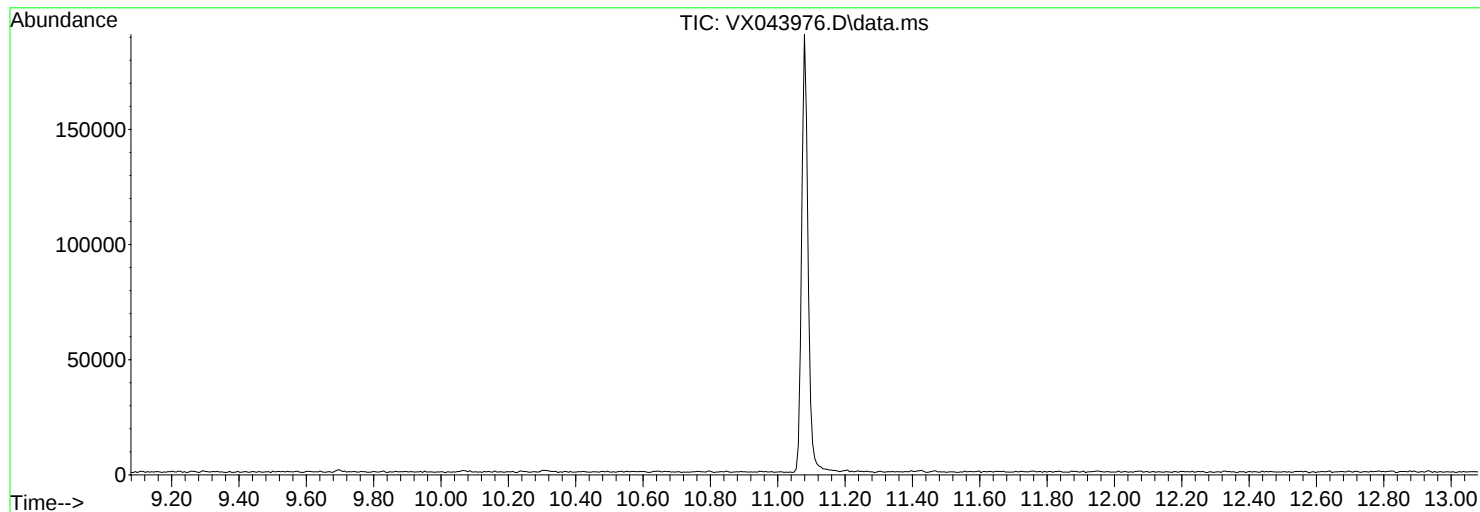
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	7254	PASS
75	95	30	60	54.2	17573	PASS
95	95	100	100	100.0	32437	PASS
96	95	5	9	6.5	2112	PASS
173	174	0.00	2	0.7	162	PASS
174	95	50	100	70.5	22853	PASS
175	174	5	9	6.8	1557	PASS
176	174	95	101	96.4	22030	PASS
177	176	5	9	7.3	1600	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043976.D
Acq On : 25 Nov 2024 10:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 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	22.3	6761	PASS
75	95	30	60	58.2	17633	PASS
95	95	100	100	100.0	30288	PASS
96	95	5	9	7.5	2258	PASS
173	174	0.00	2	0.8	174	PASS
174	95	50	100	73.6	22298	PASS
175	174	5	9	7.5	1678	PASS
176	174	95	101	95.6	21315	PASS
177	176	5	9	6.9	1462	PASS

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4886
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	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
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX1125WBL01			SDG No.:	P4886
Lab Sample ID:	VX1125WBL01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	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
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1125WBL01	SDG No.:	P4886
Lab Sample ID:	VX1125WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	51.6		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	114000	5.538			
540-36-3	1,4-Difluorobenzene	224000	6.757			
3114-55-4	Chlorobenzene-d5	208000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	90700	12.018			

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX1125WBL01			SDG No.:	P4886
Lab Sample ID:	VX1125WBL01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043979.D	1		11/25/24 12:18	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043979.D
 Acq On : 25 Nov 2024 12:18
 Operator : JC/MD
 Sample : VX1125WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBL01

Quant Time: Nov 26 00:44:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	113649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223629	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	208120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	101387	52.013	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.020%
35) Dibromofluoromethane	5.379	113	75383	47.175	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.360%
50) Toluene-d8	8.647	98	284104	51.578	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.160%
62) 4-Bromofluorobenzene	11.079	95	95049	50.703	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.400%

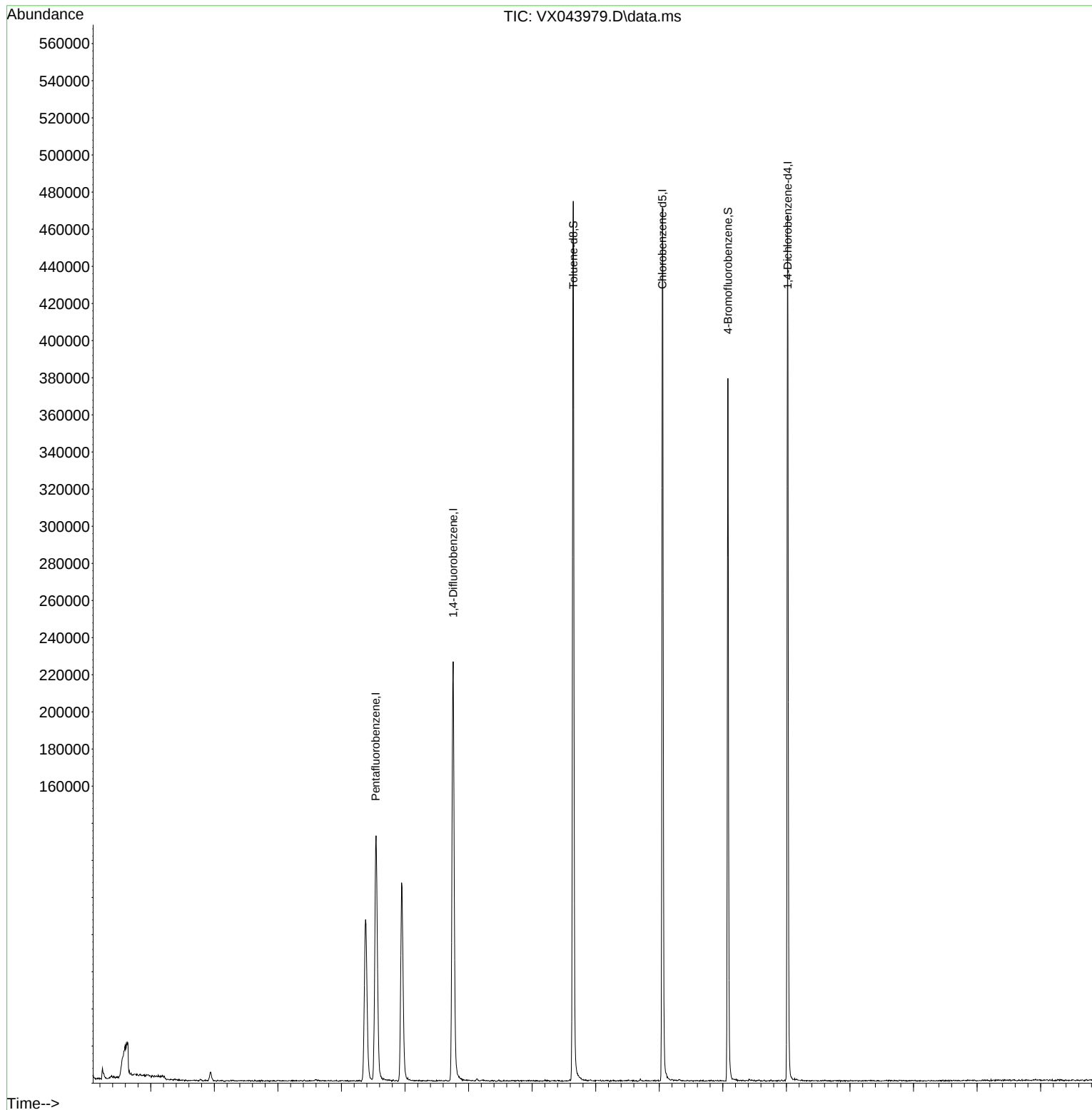
Target Compounds	Qvalue

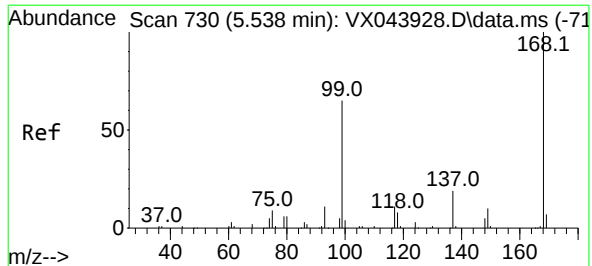
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043979.D
Acq On : 25 Nov 2024 12:18
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Time: Nov 26 00:44:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.000 min

Lab File: VX043979.D

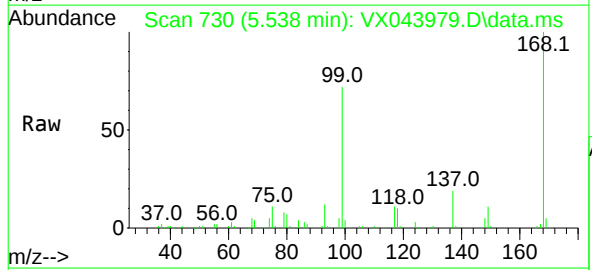
Acq: 25 Nov 2024 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX1125WBL01

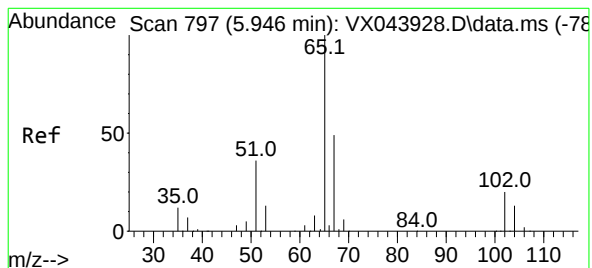
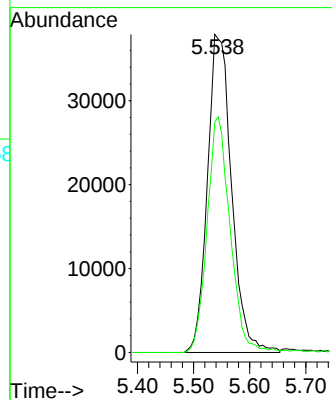
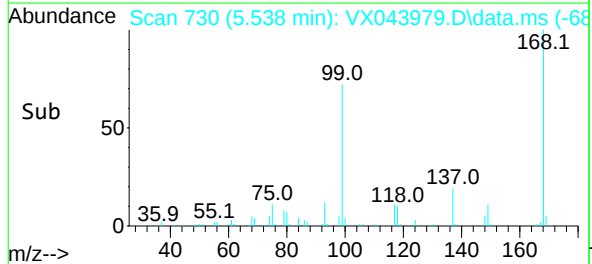


Tgt Ion:168 Resp: 113649

Ion Ratio Lower Upper

168 100

99 72.4 51.8 77.8



#33

1,2-Dichloroethane-d4

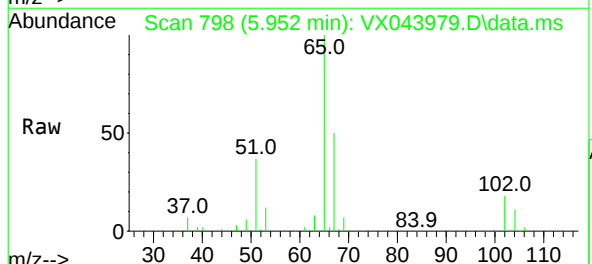
Concen: 52.013 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18

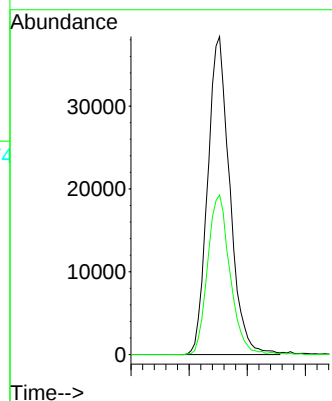
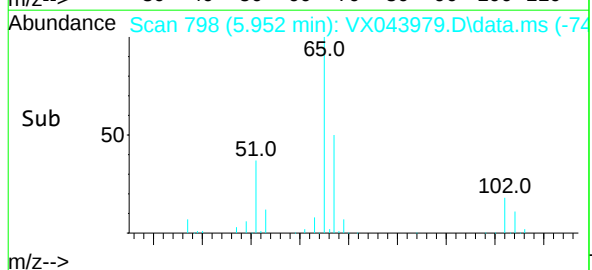


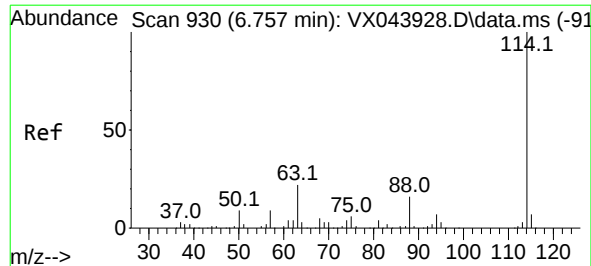
Tgt Ion: 65 Resp: 101387

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX1125WBL01

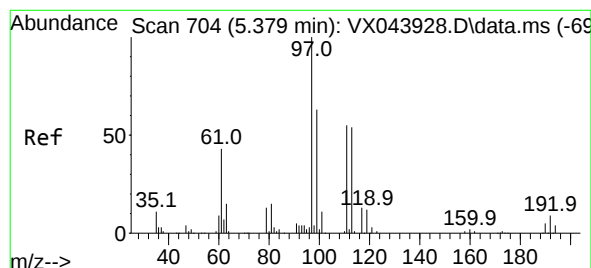
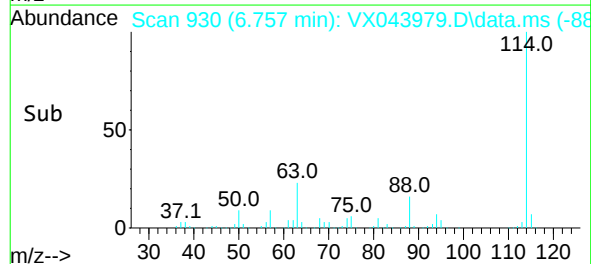
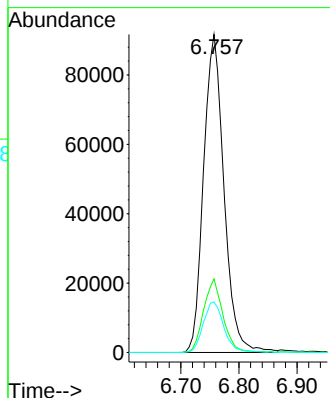
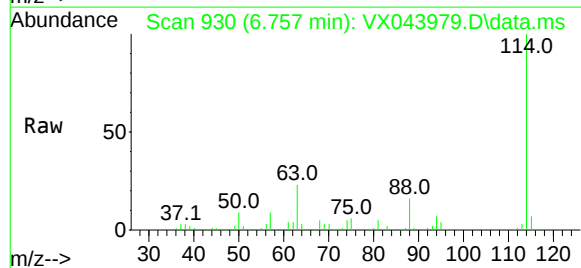
Tgt Ion:114 Resp: 223629

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.0

88 15.9 0.0 32.4



#35

Dibromofluoromethane

Concen: 47.175 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18

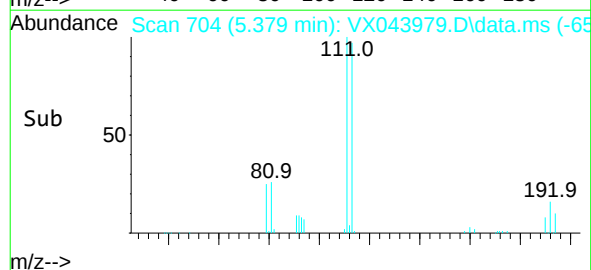
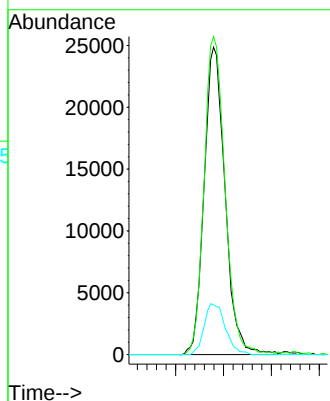
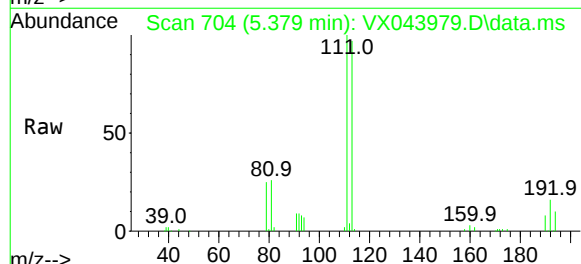
Tgt Ion:113 Resp: 75383

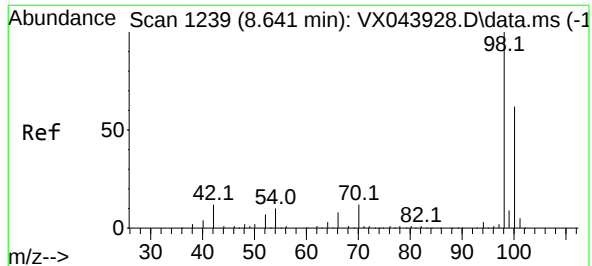
Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.4

192 16.8 13.0 19.6





#50

Toluene-d8

Concen: 51.578 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043979.D

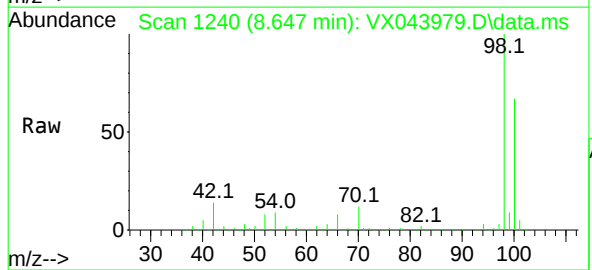
Acq: 25 Nov 2024 12:18

Instrument :

MSVOA_X

ClientSampleId :

VX1125WBL01

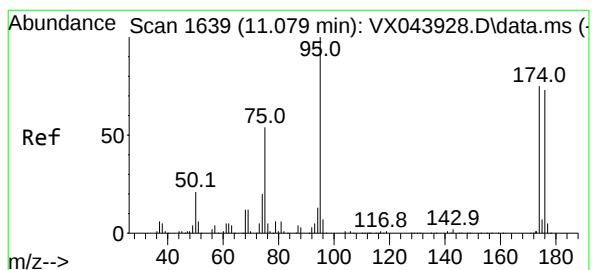
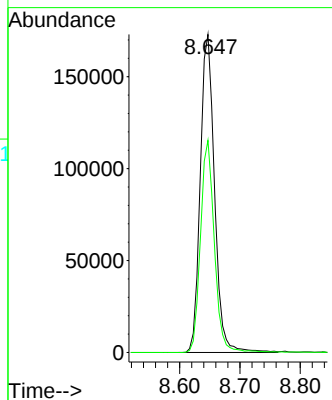
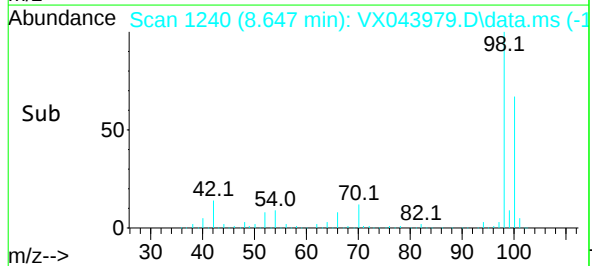


Tgt Ion: 98 Resp: 284104

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 50.703 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18

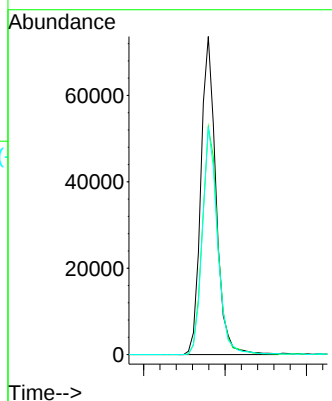
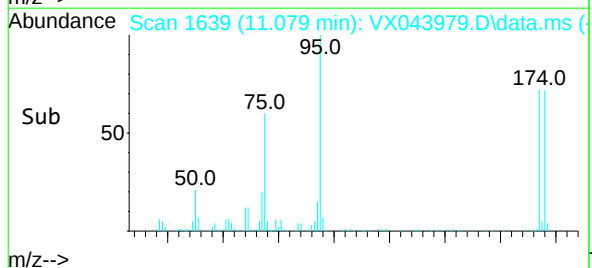
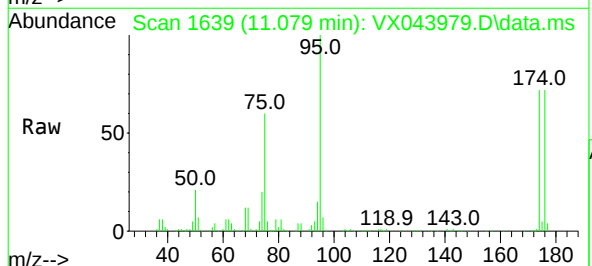
Tgt Ion: 95 Resp: 95049

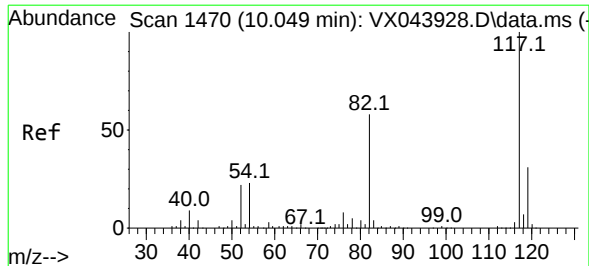
Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.4

176 71.8 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX043979.D

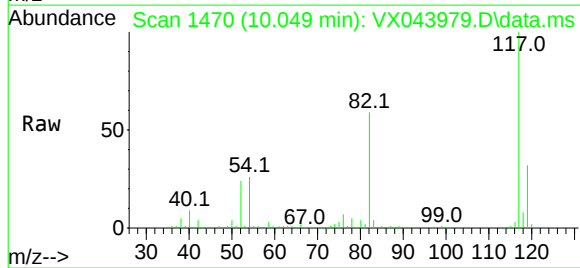
Acq: 25 Nov 2024 12:18

Instrument :

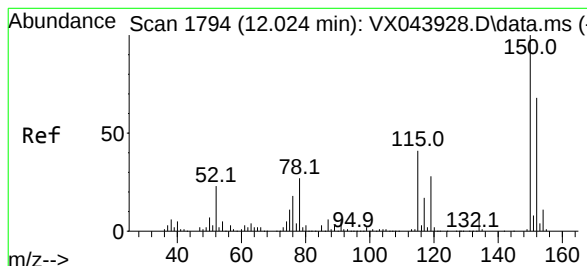
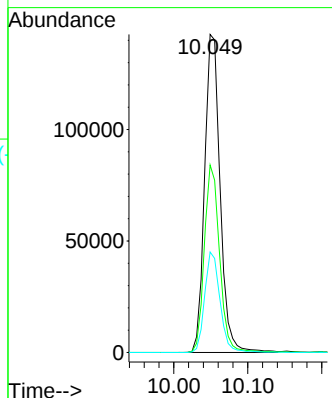
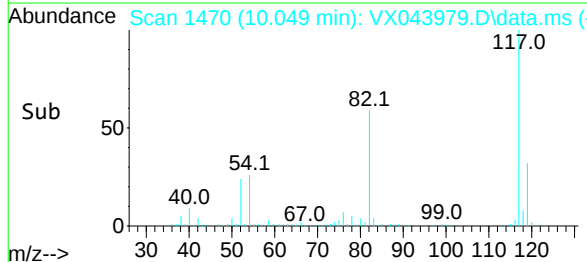
MSVOA_X

ClientSampleId :

VX1125WBL01



Tgt Ion:	117	Resp:	208120
Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.4	69.6
119	31.6	24.6	37.0



#72

1,4-Dichlorobenzene-d4

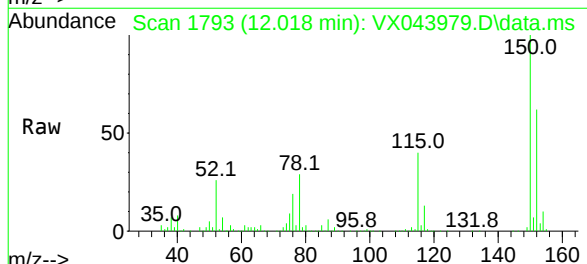
Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

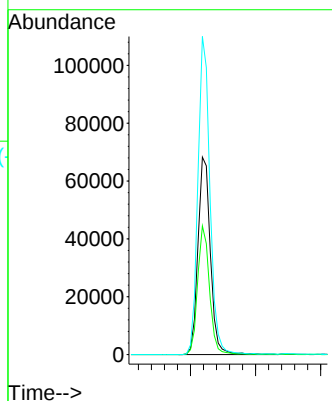
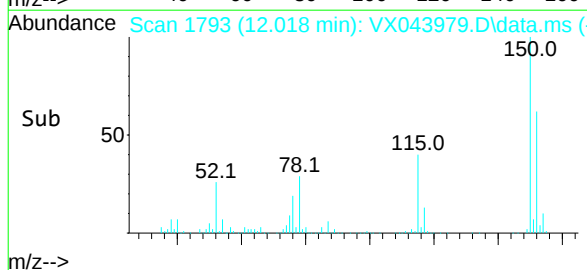
Delta R.T. -0.006 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18



Tgt Ion:	152	Resp:	90683
Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.4	136.2
150	155.6	0.0	353.0



Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX1125WBS01			SDG No.:	P4886
Lab Sample ID:	VX1125WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.0		0.21	1.00	ug/L
74-87-3	Chloromethane	18.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	17.0		0.38	1.00	ug/L
74-83-9	Bromomethane	20.6		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.5		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	85.3		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.26	1.00	ug/L
107-02-8	Acrolein	79.5		6.70	25.0	ug/L
107-13-1	Acrylonitrile	90.5		0.90	5.00	ug/L
67-64-1	Acetone	87.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	92.9		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	5.00	ug/L
78-93-3	2-Butanone	91.3		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.8		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	18.5		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.3		0.18	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	18.8		0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX1125WBS01			SDG No.:	P4886
Lab Sample ID:	VX1125WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	18.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	16.1		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	1.00	ug/L
74-95-3	Dibromomethane	19.1		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.4		0.75	5.00	ug/L
108-88-3	Toluene	19.1		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	19.5		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	76.4		1.80	5.00	ug/L
591-78-6	2-Hexanone	90.6		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	17.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.1		0.21	1.00	ug/L
67-72-1	Hexachloroethane	16.7		0	0	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	37.3		0.31	2.00	ug/L
95-47-6	o-Xylene	18.7		0.14	1.00	ug/L
100-42-5	Styrene	18.6		0.16	1.00	ug/L
75-25-2	Bromoform	16.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.1		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.0		0.39	1.00	ug/L
108-86-1	Bromobenzene	19.0		0.26	1.00	ug/L
103-65-1	n-propylbenzene	19.0		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	19.1		0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX1125WBS01			SDG No.:	P4886
Lab Sample ID:	VX1125WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	19.8		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	19.1		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	19.2		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.8		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	18.3		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	19.5		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	18.6		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	18.8		0.31	1.00	ug/L
91-20-3	Naphthalene	17.7		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	129000	5.544			
540-36-3	1,4-Difluorobenzene	233000	6.757			
3114-55-4	Chlorobenzene-d5	201000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	89400	12.024			

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1125WBS01	SDG No.:	P4886
Lab Sample ID:	VX1125WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043980.D	1		11/25/24 12:41	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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\VX112524\
 Data File : VX043980.D
 Acq On : 25 Nov 2024 12:41
 Operator : JC/MD
 Sample : VX1125WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232630	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89446	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	111972	50.577	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.160%
35) Dibromofluoromethane	5.379	113	82126	49.406	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.820%
50) Toluene-d8	8.647	98	279748	48.822	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.640%
62) 4-Bromofluorobenzene	11.079	95	92231	47.296	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	27858	17.036	ug/l	96
3) Chloromethane	1.294	50	31484	18.297	ug/l	98
4) Vinyl Chloride	1.374	62	32067	17.520	ug/l	97
5) Bromomethane	1.593	94	23162	20.571	ug/l	96
6) Chloroethane	1.666	64	21661	19.423	ug/l	99
7) Trichlorofluoromethane	1.868	101	62260	19.027	ug/l	99
8) Diethyl Ether	2.136	74	21810	18.287	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	27391	17.549	ug/l	99
10) Methyl Iodide	2.447	142	35527	18.224	ug/l	98
11) Tert butyl alcohol	2.995	59	30305	85.282	ug/l	98
12) 1,1-Dichloroethene	2.306	96	25636	17.236	ug/l	92
13) Acrolein	2.233	56	29794	79.545	ug/l	99
14) Allyl chloride	2.654	41	43363	17.842	ug/l	97
15) Acrylonitrile	3.062	53	78411	90.547	ug/l	99
16) Acetone	2.380	43	89315	87.837	ug/l	99
17) Carbon Disulfide	2.502	76	46168	15.048	ug/l	96
18) Methyl Acetate	2.703	43	43353	18.308	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	102397	18.961	ug/l	99
20) Methylene Chloride	2.782	84	30699	17.791	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	27476	17.893	ug/l	95
22) Diisopropyl ether	3.757	45	101204	19.474	ug/l #	87
23) Vinyl Acetate	3.721	43	413005	92.903	ug/l	99
24) 1,1-Dichloroethane	3.605	63	57833	19.291	ug/l	99
25) 2-Butanone	4.562	43	119828	91.330	ug/l	97
26) 2,2-Dichloropropane	4.471	77	50034	18.480	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	35442	18.672	ug/l	99
28) Bromochloromethane	4.891	49	28155	21.335	ug/l	97
29) Tetrahydrofuran	5.007	42	71632	89.055	ug/l	99
30) Chloroform	5.086	83	62792	19.474	ug/l	95
31) Cyclohexane	5.458	56	44185	17.907	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	53725	19.321	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39005	18.830	ug/l	97
37) Ethyl Acetate	4.715	43	43604	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	41358	17.769	ug/l	93
39) Methylcyclohexane	7.373	83	45874	17.047	ug/l	96
40) Benzene	6.031	78	121280	18.797	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043980.D
 Acq On : 25 Nov 2024 12:41
 Operator : JC/MD
 Sample : VX1125WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	24395	18.537	ug/l	97
42) 1,2-Dichloroethane	6.080	62	49414	19.069	ug/l	100
43) Isopropyl Acetate	6.342	43	74800	18.280	ug/l	98
44) Trichloroethene	7.123	130	29451	16.124	ug/l	94
45) 1,2-Dichloropropane	7.421	63	31342	19.833	ug/l	99
46) Dibromomethane	7.580	93	23880	19.103	ug/l	98
47) Bromodichloromethane	7.818	83	42158	18.804	ug/l	98
48) Methyl methacrylate	7.696	41	34847	17.747	ug/l	100
49) 1,4-Dioxane	7.671	88	11205	320.363	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	230680	92.377	ug/l	98
52) Toluene	8.714	92	73761	19.100	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	41513	18.157	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	46516	18.559	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	29828	18.711	ug/l	96
56) Ethyl methacrylate	9.116	69	45352	18.265	ug/l	98
57) 1,3-Dichloropropane	9.305	76	52347	19.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	104808	76.406	ug/l	100
59) 2-Hexanone	9.433	43	170135	90.646	ug/l	99
60) Dibromochloromethane	9.519	129	28665	17.922	ug/l	98
61) 1,2-Dibromoethane	9.610	107	29826	18.503	ug/l	99
64) Tetrachloroethene	9.269	164	23911	18.065	ug/l	94
65) Chlorobenzene	10.079	112	81986	18.597	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	27274	19.076	ug/l	99
67) Ethyl Benzene	10.189	91	139010	18.608	ug/l	99
68) m/p-Xylenes	10.299	106	103991	37.328	ug/l	99
69) o-Xylene	10.640	106	50858	18.698	ug/l	98
70) Styrene	10.653	104	83849	18.638	ug/l	98
71) Bromoform	10.799	173	15846	15.994	ug/l #	100
73) Isopropylbenzene	10.963	105	130876	19.035	ug/l	100
74) N-amyl acetate	10.842	43	56876	17.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	45016	19.121	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	37299m	19.015	ug/l	
77) Bromobenzene	11.195	156	31131	18.980	ug/l	98
78) n-propylbenzene	11.305	91	145673	18.970	ug/l	98
79) 2-Chlorotoluene	11.360	91	92824	19.116	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	112233	19.841	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11075	15.407	ug/l	91
82) 4-Chlorotoluene	11.451	91	104709	19.100	ug/l	100
83) tert-Butylbenzene	11.713	119	107369	19.150	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	111539	19.806	ug/l	96
85) sec-Butylbenzene	11.890	105	125802	18.313	ug/l	98
86) p-Isopropyltoluene	12.006	119	108552	19.454	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	55631	18.623	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	56264	18.474	ug/l	96
89) n-Butylbenzene	12.329	91	91448	18.588	ug/l	99
90) Hexachloroethane	12.536	117	15872	16.728	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	56883	18.869	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7772	16.475	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	30614	17.225	ug/l	98
94) Hexachlorobutadiene	13.719	225	13180	18.763	ug/l	93
95) Naphthalene	13.774	128	113362	17.718	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	32142	17.867	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

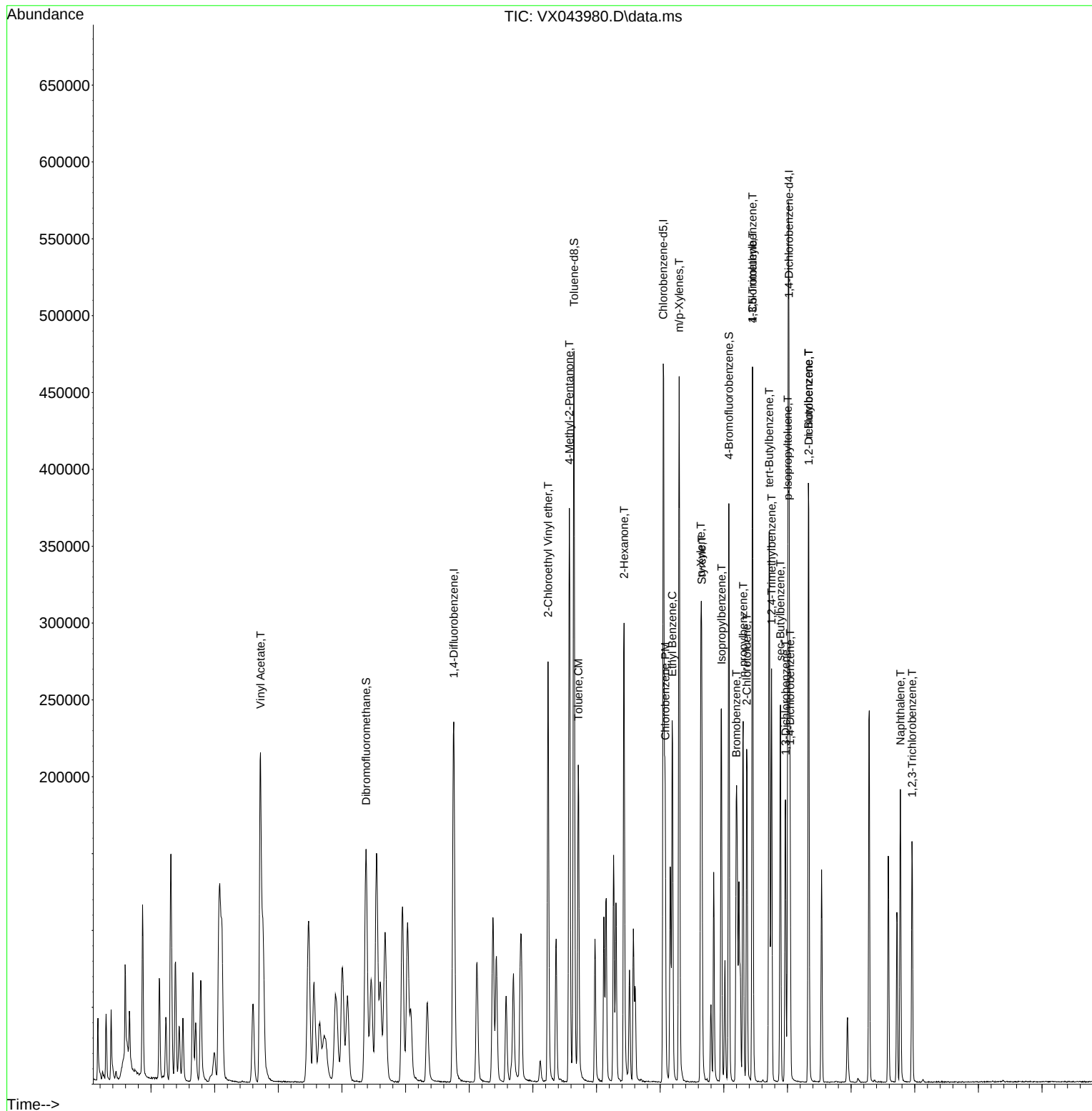
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043980.D
Acq On : 25 Nov 2024 12:41
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1125WBSD01	SDG No.:	P4886
Lab Sample ID:	VX1125WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043981.D	1		11/25/24 13:08	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		0.21	1.00	ug/L
74-87-3	Chloromethane	16.9		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.1		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	18.1		0.38	1.00	ug/L
74-83-9	Bromomethane	20.0		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	93.1		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.26	1.00	ug/L
107-02-8	Acrolein	84.9		6.70	25.0	ug/L
107-13-1	Acrylonitrile	92.9		0.90	5.00	ug/L
67-64-1	Acetone	87.9		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.7		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.6		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	94.6		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	5.00	ug/L
78-93-3	2-Butanone	93.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	18.6		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.6		0.18	1.00	ug/L
67-66-3	Chloroform	19.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.0		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	18.6		0.18	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1125WBSD01	SDG No.:	P4886
Lab Sample ID:	VX1125WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043981.D	1		11/25/24 13:08	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	18.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	16.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
74-95-3	Dibromomethane	19.5		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	19.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.8		0.75	5.00	ug/L
108-88-3	Toluene	19.2		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	20.0		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	77.5		1.80	5.00	ug/L
591-78-6	2-Hexanone	93.5		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.4		0.21	1.00	ug/L
67-72-1	Hexachloroethane	17.4		0	0	ug/L
100-41-4	Ethyl Benzene	19.3		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	37.6		0.31	2.00	ug/L
95-47-6	o-Xylene	18.8		0.14	1.00	ug/L
100-42-5	Styrene	19.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.1		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.0		0.39	1.00	ug/L
108-86-1	Bromobenzene	19.4		0.26	1.00	ug/L
103-65-1	n-propylbenzene	18.9		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	18.9		0.16	1.00	ug/L

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1125WBSD01	SDG No.:	P4886
Lab Sample ID:	VX1125WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043981.D	1		11/25/24 13:08	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	19.8		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	19.1		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	18.9		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.8		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	19.4		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	19.7		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.7		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	19.0		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	18.5		0.31	1.00	ug/L
91-20-3	Naphthalene	18.5		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	128000	5.544			
540-36-3	1,4-Difluorobenzene	226000	6.751			
3114-55-4	Chlorobenzene-d5	194000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	89500	12.018			

Report of Analysis

Client:	Chemtech Consulting Group			Date Collected:	
Project:	Weekly Storage Blanks			Date Received:	
Client Sample ID:	VX1125WBSD01			SDG No.:	P4886
Lab Sample ID:	VX1125WBSD01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC- Chemtech Full
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX043981.D	1		11/25/24 13:08	VX112524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	------------	-------

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043981.D
 Acq On : 25 Nov 2024 13:08
 Operator : JC/MD
 Sample : VX1125WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:46:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	127862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	226013	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	89463	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	108855	49.636	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.280%
35) Dibromofluoromethane	5.379	113	78663	48.708	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.420%
50) Toluene-d8	8.647	98	271392	48.750	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.500%
62) 4-Bromofluorobenzene	11.079	95	91513	48.302	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	29193	18.023	ug/l	92
3) Chloromethane	1.295	50	28767	16.877	ug/l	96
4) Vinyl Chloride	1.374	62	30976	17.085	ug/l	96
5) Bromomethane	1.593	94	22257	19.955	ug/l	99
6) Chloroethane	1.666	64	21448	19.415	ug/l	98
7) Trichlorofluoromethane	1.874	101	57000	17.585	ug/l	96
8) Diethyl Ether	2.130	74	21735	18.397	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	28902	18.693	ug/l	100
10) Methyl Iodide	2.441	142	35568	18.419	ug/l	97
11) Tert butyl alcohol	2.989	59	32760	93.067	ug/l #	85
12) 1,1-Dichloroethene	2.307	96	25276	17.156	ug/l	98
13) Acrolein	2.233	56	31499	84.897	ug/l	98
14) Allyl chloride	2.654	41	43192	17.941	ug/l	98
15) Acrylonitrile	3.063	53	79711	92.924	ug/l	99
16) Acetone	2.380	43	88493	87.856	ug/l	98
17) Carbon Disulfide	2.502	76	44745	14.723	ug/l	96
18) Methyl Acetate	2.703	43	43520	18.554	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	103490	19.345	ug/l	98
20) Methylene Chloride	2.782	84	30008	17.556	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	26829	17.637	ug/l	97
22) Diisopropyl ether	3.758	45	98945	19.221	ug/l	89
23) Vinyl Acetate	3.715	43	416415	94.561	ug/l	98
24) 1,1-Dichloroethane	3.599	63	56846	19.142	ug/l	95
25) 2-Butanone	4.562	43	120978	93.084	ug/l	97
26) 2,2-Dichloropropane	4.465	77	49956	18.626	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	35299	18.773	ug/l	99
28) Bromochloromethane	4.891	49	28214	21.583	ug/l	98
29) Tetrahydrofuran	5.001	42	72129	90.526	ug/l	99
30) Chloroform	5.087	83	61388	19.219	ug/l	96
31) Cyclohexane	5.458	56	43814	17.926	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	52985	19.236	ug/l	99
36) 1,1-Dichloropropene	5.684	75	37503	18.635	ug/l	99
37) Ethyl Acetate	4.709	43	45327	18.145	ug/l	99
38) Carbon Tetrachloride	5.666	117	42156	18.643	ug/l	96
39) Methylcyclohexane	7.373	83	47051	17.997	ug/l	98
40) Benzene	6.032	78	117873	18.804	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
 Data File : VX043981.D
 Acq On : 25 Nov 2024 13:08
 Operator : JC/MD
 Sample : VX1125WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:46:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24968	19.528	ug/l	96
42) 1,2-Dichloroethane	6.080	62	49326	19.592	ug/l	98
43) Isopropyl Acetate	6.342	43	73915	18.592	ug/l	100
44) Trichloroethene	7.117	130	28806	16.233	ug/l	95
45) 1,2-Dichloropropane	7.422	63	30086	19.596	ug/l	99
46) Dibromomethane	7.580	93	23693	19.508	ug/l	99
47) Bromodichloromethane	7.818	83	41483	19.044	ug/l	99
48) Methyl methacrylate	7.690	41	34934	18.313	ug/l	98
49) 1,4-Dioxane	7.665	88	9778	287.748	ug/l #	70
51) 4-Methyl-2-Pentanone	8.574	43	232460	95.816	ug/l	99
52) Toluene	8.714	92	72050	19.203	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	41174	18.536	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	45946	18.869	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	30064	19.411	ug/l	95
56) Ethyl methacrylate	9.116	69	45080	18.687	ug/l	96
57) 1,3-Dichloropropane	9.305	76	52064	19.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	103265	77.489	ug/l	99
59) 2-Hexanone	9.427	43	170532	93.517	ug/l	100
60) Dibromochloromethane	9.519	129	29072	18.708	ug/l	99
61) 1,2-Dibromoethane	9.610	107	31195	19.919	ug/l	100
64) Tetrachloroethene	9.269	164	24730	19.316	ug/l	97
65) Chlorobenzene	10.080	112	80404	18.855	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.159	131	26819	19.392	ug/l	97
67) Ethyl Benzene	10.189	91	139398	19.291	ug/l	99
68) m/p-Xylenes	10.299	106	101197	37.554	ug/l	99
69) o-Xylene	10.640	106	49433	18.789	ug/l	94
70) Styrene	10.653	104	83699	19.234	ug/l	98
71) Bromoform	10.799	173	16524	17.128	ug/l #	99
73) Isopropylbenzene	10.957	105	131933	19.185	ug/l	100
74) N-amyl acetate	10.842	43	57932	18.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	45402	19.281	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37184m	18.953	ug/l	
77) Bromobenzene	11.195	156	31767	19.364	ug/l	98
78) n-propylbenzene	11.305	91	145197	18.904	ug/l	99
79) 2-Chlorotoluene	11.360	91	91961	18.935	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	112241	19.839	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11613	16.152	ug/l	93
82) 4-Chlorotoluene	11.451	91	104506	19.060	ug/l	98
83) tert-Butylbenzene	11.713	119	106098	18.920	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	111442	19.785	ug/l	97
85) sec-Butylbenzene	11.890	105	133175	19.383	ug/l	98
86) p-Isopropyltoluene	12.006	119	109720	19.659	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	55892	18.706	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	55495	18.218	ug/l	94
89) n-Butylbenzene	12.329	91	93525	19.007	ug/l	98
90) Hexachloroethane	12.536	117	16555	17.444	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	57006	18.906	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7924	16.794	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	31976	17.988	ug/l	97
94) Hexachlorobutadiene	13.725	225	12965	18.454	ug/l	99
95) Naphthalene	13.774	128	118179	18.468	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	33194	18.448	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043981.D
Acq On : 25 Nov 2024 13:08
Operator : JC/MD
Sample : VX1125WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:46:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

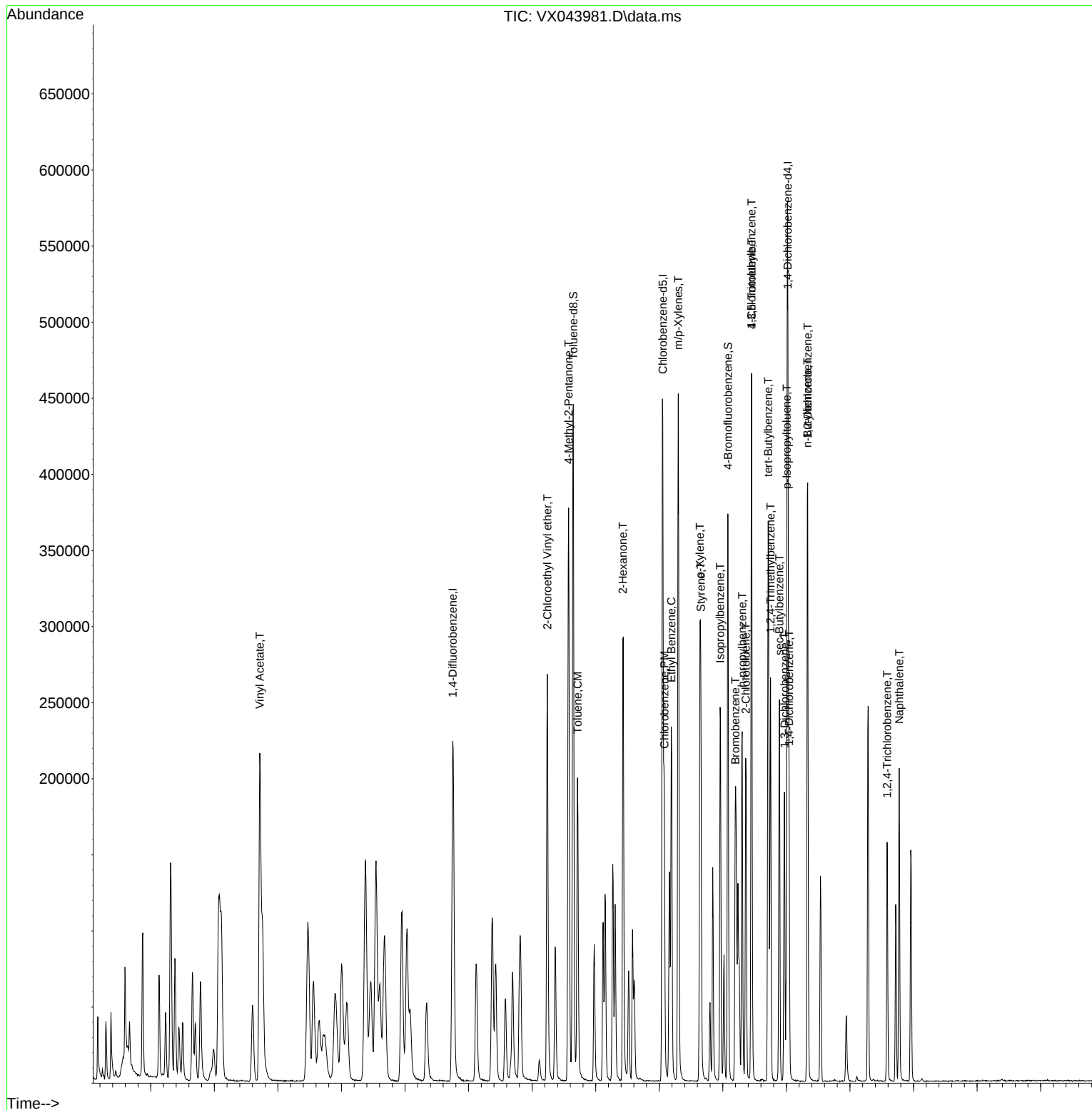
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112524\
Data File : VX043981.D
Acq On : 25 Nov 2024 13:08
Operator : JC/MD
Sample : VX1125WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:46:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



Manual Integration Report

Sequence:	vx112124	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX043923.D	1,2,3-Trichloropropane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICV050	VX043923.D	1,4-Dioxane	JOHN	11/21/2024 9:44:34 AM	MMDadoda	11/22/2024 3:33:41 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	1,4-Dichlorobenzene	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Bromochloromethane	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Ethyl Acetate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methacrylonitrile	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC001	VX043925.D	Methyl methacrylate	JOHN	11/22/2024 9:57:01 AM	MMDadoda	11/22/2024 3:33:43 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	1,4-Dioxane	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Ethyl Acetate	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC005	VX043926.D	Tert butyl alcohol	JOHN	11/22/2024 9:57:07 AM	MMDadoda	11/22/2024 3:33:44 PM	Peak Integrated by Software
VSTDICC020	VX043927.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vx112124

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX043927.D	1,4-Dioxane	JOHN	11/22/2024 9:57:12 AM	MMDadoda	11/22/2024 3:33:46 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICCC050	VX043928.D	1,4-Dioxane	JOHN	11/22/2024 9:57:17 AM	MMDadoda	11/22/2024 3:33:47 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC100	VX043929.D	1,4-Dioxane	JOHN	11/22/2024 9:57:21 AM	MMDadoda	11/22/2024 3:33:49 PM	Peak Integrated by Software
VSTDICC150	VX043930.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:26 AM	MMDadoda	11/22/2024 3:33:50 PM	Peak Integrated by Software
VSTDICV050	VX043932.D	1,2,3-Trichloropropane	JOHN	11/22/2024 9:57:30 AM	MMDadoda	11/22/2024 3:33:52 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX112524	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043977.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:34 AM	SAM	11/26/2024 9:46:59 AM	Peak Integrated by Software
VX1125WBS01	VX043980.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:35 AM	SAM	11/26/2024 9:46:59 AM	Peak Integrated by Software
VX1125WBSD01	VX043981.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:37 AM	SAM	11/26/2024 9:47:00 AM	Peak Integrated by Software
VSTDCCC050	VX044002.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 9:44:41 AM	SAM	11/26/2024 9:47:04 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043915.D	20 Nov 2024 15:43	JC/MD	Ok
2	VSTDIC001	VX043916.D	20 Nov 2024 16:11	JC/MD	Not Ok
3	VSTDIC005	VX043917.D	20 Nov 2024 16:57	JC/MD	Not Ok
4	VSTDIC020	VX043918.D	20 Nov 2024 17:20	JC/MD	Not Ok
5	VSTDIC050	VX043919.D	20 Nov 2024 17:43	JC/MD	Ok,NR
6	VSTDIC100	VX043920.D	20 Nov 2024 18:06	JC/MD	Not Ok
7	VSTDIC150	VX043921.D	20 Nov 2024 18:30	JC/MD	Not Ok
8	IBLK	VX043922.D	20 Nov 2024 18:53	JC/MD	Not Ok
9	VSTDICV050	VX043923.D	20 Nov 2024 19:16	JC/MD	Not Ok
10	BFB	VX043924.D	21 Nov 2024 08:51	JC/MD	Ok
11	VSTDIC001	VX043925.D	21 Nov 2024 09:47	JC/MD	Ok,M
12	VSTDIC005	VX043926.D	21 Nov 2024 10:14	JC/MD	Ok,M
13	VSTDIC020	VX043927.D	21 Nov 2024 10:37	JC/MD	Ok,M
14	VSTDIC050	VX043928.D	21 Nov 2024 11:17	JC/MD	Ok,M
15	VSTDIC100	VX043929.D	21 Nov 2024 11:40	JC/MD	Ok,M
16	VSTDIC150	VX043930.D	21 Nov 2024 12:03	JC/MD	Ok,M
17	IBLK	VX043931.D	21 Nov 2024 12:27	JC/MD	Ok
18	VSTDICV050	VX043932.D	21 Nov 2024 13:57	JC/MD	Ok,M
19	VX1121MBL01	VX043933.D	21 Nov 2024 14:27	JC/MD	Ok
20	VX1121WBL01	VX043934.D	21 Nov 2024 14:50	JC/MD	Ok
21	VX1121WBS01	VX043935.D	21 Nov 2024 15:13	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40	JC/MD	Ok,M
23	P4921-01	VX043937.D	21 Nov 2024 16:03	JC/MD	Ok
24	P4934-01	VX043938.D	21 Nov 2024 16:27	JC/MD	Ok
25	P4934-09	VX043939.D	21 Nov 2024 16:50	JC/MD	Ok
26	P4934-11	VX043940.D	21 Nov 2024 17:13	JC/MD	Ok
27	P4934-02	VX043941.D	21 Nov 2024 17:36	JC/MD	Ok
28	P4934-03	VX043942.D	21 Nov 2024 17:59	JC/MD	Ok
29	P4934-08	VX043943.D	21 Nov 2024 18:23	JC/MD	Ok
30	P4934-10	VX043944.D	21 Nov 2024 18:46	JC/MD	Ok
31	P4934-04	VX043945.D	21 Nov 2024 19:09	JC/MD	Ok
32	P4934-12	VX043946.D	21 Nov 2024 19:32	JC/MD	Ok
33	P4934-05	VX043947.D	21 Nov 2024 19:55	JC/MD	Ok
34	VSTDCCC050	VX043948.D	21 Nov 2024 20:18	JC/MD	Ok,NR

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM
SubDirectory	VX112524	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131793		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131794,VP131795		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043976.D	25 Nov 2024 10:59	JC/MD	Ok
2	VSTDCCC050	VX043977.D	25 Nov 2024 11:27	JC/MD	Ok,M
3	VX1125MBL01	VX043978.D	25 Nov 2024 11:55	JC/MD	Ok
4	VX1125WBL01	VX043979.D	25 Nov 2024 12:18	JC/MD	Ok
5	VX1125WBS01	VX043980.D	25 Nov 2024 12:41	JC/MD	Ok,M
6	VX1125WBSD01	VX043981.D	25 Nov 2024 13:08	JC/MD	Ok,M
7	P4846-01DL	VX043982.D	25 Nov 2024 13:31	JC/MD	Ok
8	P4846-16DL	VX043983.D	25 Nov 2024 13:53	JC/MD	Ok
9	P4886-01	VX043984.D	25 Nov 2024 14:17	JC/MD	Ok
10	P4886-02	VX043985.D	25 Nov 2024 14:40	JC/MD	Ok
11	P4886-03	VX043986.D	25 Nov 2024 15:03	JC/MD	Ok
12	P4886-04	VX043987.D	25 Nov 2024 15:26	JC/MD	Ok
13	P4873-02	VX043988.D	25 Nov 2024 15:49	JC/MD	Ok
14	P4873-04	VX043989.D	25 Nov 2024 16:12	JC/MD	Ok
15	P4873-05	VX043990.D	25 Nov 2024 16:35	JC/MD	Ok
16	P4873-06	VX043991.D	25 Nov 2024 16:58	JC/MD	Ok
17	P4873-07	VX043992.D	25 Nov 2024 17:21	JC/MD	Dilution
18	P4873-08	VX043993.D	25 Nov 2024 17:44	JC/MD	Dilution
19	P4873-09	VX043994.D	25 Nov 2024 18:08	JC/MD	Ok
20	P4846-05	VX043995.D	25 Nov 2024 18:31	JC/MD	Ok
21	P4846-06MS	VX043996.D	25 Nov 2024 18:54	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM
SubDirectory	VX112524	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131793		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131794,VP131795		

22	P4846-07MSD	VX043997.D	25 Nov 2024 19:17	JC/MD	Ok,M
23	PB165160TB	VX043998.D	25 Nov 2024 19:40	JC/MD	Ok
24	P4938-04	VX043999.D	25 Nov 2024 20:03	JC/MD	Ok
25	P4938-08	VX044000.D	25 Nov 2024 20:26	JC/MD	Ok
26	P4995-01	VX044001.D	25 Nov 2024 20:49	JC/MD	Ok
27	VSTDCCC050	VX044002.D	25 Nov 2024 21:12	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043915.D	20 Nov 2024 15:43		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX043916.D	20 Nov 2024 16:11	%D failed for Comp. #71,74,90,92 in 01 PPB	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX043917.D	20 Nov 2024 16:57	%D failed for Comp. #81 in 05 PPB	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX043918.D	20 Nov 2024 17:20		JC/MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VX043919.D	20 Nov 2024 17:43		JC/MD	Ok,NR
6	VSTDICC100	VSTDICC100	VX043920.D	20 Nov 2024 18:06		JC/MD	Not Ok
7	VSTDICC150	VSTDICC150	VX043921.D	20 Nov 2024 18:30		JC/MD	Not Ok
8	IBLK	IBLK	VX043922.D	20 Nov 2024 18:53		JC/MD	Not Ok
9	VSTDICV050	ICV VX112124	VX043923.D	20 Nov 2024 19:16	Failed	JC/MD	Not Ok
10	BFB	BFB	VX043924.D	21 Nov 2024 08:51		JC/MD	Ok
11	VSTDICC001	VSTDICC001	VX043925.D	21 Nov 2024 09:47	%D failed for Comp. #71 in 01 PPB	JC/MD	Ok,M
12	VSTDICC005	VSTDICC005	VX043926.D	21 Nov 2024 10:14	QR- 58,71	JC/MD	Ok,M
13	VSTDICC020	VSTDICC020	VX043927.D	21 Nov 2024 10:37		JC/MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VX043928.D	21 Nov 2024 11:17		JC/MD	Ok,M
15	VSTDICC100	VSTDICC100	VX043929.D	21 Nov 2024 11:40		JC/MD	Ok,M
16	VSTDICC150	VSTDICC150	VX043930.D	21 Nov 2024 12:03		JC/MD	Ok,M
17	IBLK	IBLK	VX043931.D	21 Nov 2024 12:27		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112124

Review By	John Carlone	Review On	11/21/2024 9:44:50 AM
Supervise By	Maresh Dadoda	Supervise On	11/22/2024 3:34:00 PM
SubDirectory	VX112124	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131686,VP131690		
Initial Calibration Stds	VP131716,VP131717,VP131718,VP131719,VP131720,VP131721		
CCC	VP131691		
Internal Standard/PEM			
ICV/I.BLK	VP131722		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	VSTDICV050	ICVVX112124	VX043932.D	21 Nov 2024 13:57		JC/MD	Ok,M
19	VX1121MBL01	VX1121MBL01	VX043933.D	21 Nov 2024 14:27		JC/MD	Ok
20	VX1121WBL01	VX1121WBL01	VX043934.D	21 Nov 2024 14:50		JC/MD	Ok
21	VX1121WBS01	VX1121WBS01	VX043935.D	21 Nov 2024 15:13		JC/MD	Ok,M
22	VX1121WBSD01	VX1121WBSD01	VX043936.D	21 Nov 2024 15:40		JC/MD	Ok,M
23	P4921-01	WC-11-A-202411	VX043937.D	21 Nov 2024 16:03	vial B pH#5.0	JC/MD	Ok
24	P4934-01	TB-01-20241118	VX043938.D	21 Nov 2024 16:27	vial A pH<2 TB;	JC/MD	Ok
25	P4934-09	FB-01-20241119	VX043939.D	21 Nov 2024 16:50	vial A pH<2 FB;	JC/MD	Ok
26	P4934-11	RB-01-20241119	VX043940.D	21 Nov 2024 17:13	vial A pH<2	JC/MD	Ok
27	P4934-02	BPOW6-11-20241118	VX043941.D	21 Nov 2024 17:36	vial A pH<2	JC/MD	Ok
28	P4934-03	BPOW6-7-20241118	VX043942.D	21 Nov 2024 17:59	vial A pH<2	JC/MD	Ok
29	P4934-08	BPOW6-9-20241119	VX043943.D	21 Nov 2024 18:23	vial A pH<2	JC/MD	Ok
30	P4934-10	BPOW6-8-20241119	VX043944.D	21 Nov 2024 18:46	vial A pH<2	JC/MD	Ok
31	P4934-04	DUP-01-20241118	VX043945.D	21 Nov 2024 19:09	vial A pH<2	JC/MD	Ok
32	P4934-12	DUP-02-20241119	VX043946.D	21 Nov 2024 19:32	vial A pH<2	JC/MD	Ok
33	P4934-05	BPOW6-10-20241119	VX043947.D	21 Nov 2024 19:55	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX043948.D	21 Nov 2024 20:18		JC/MD	Ok,NR

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112524

Review By	Mahesh Dadoda	Review On	11/26/2024 9:44:43 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM				
SubDirectory	VX112524	HP Acquire Method	HP Processing Method	82X112124W.M			
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		VP131793					
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP131794,VP131795					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043976.D	25 Nov 2024 10:59		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043977.D	25 Nov 2024 11:27	V13516	JC/MD	Ok,M
3	VX1125MBL01	VX1125MBL01	VX043978.D	25 Nov 2024 11:55		JC/MD	Ok
4	VX1125WBL01	VX1125WBL01	VX043979.D	25 Nov 2024 12:18		JC/MD	Ok
5	VX1125WBS01	VX1125WBS01	VX043980.D	25 Nov 2024 12:41		JC/MD	Ok,M
6	VX1125WBSD01	VX1125WBSD01	VX043981.D	25 Nov 2024 13:08		JC/MD	Ok,M
7	P4846-01DL	FSND-MW-EVAL-03D-2	VX043982.D	25 Nov 2024 13:31	vial B pH<2	JC/MD	Ok
8	P4846-16DL	FSND-MW-EVAL-01D-2	VX043983.D	25 Nov 2024 13:53	vial B pH<2	JC/MD	Ok
9	P4886-01	Storage-Blank-SOIL-RE	VX043984.D	25 Nov 2024 14:17	vial A pH<2	JC/MD	Ok
10	P4886-02	Storage-Blank-WATER-	VX043985.D	25 Nov 2024 14:40	vial A pH<2	JC/MD	Ok
11	P4886-03	Storage-Blank-WATER-	VX043986.D	25 Nov 2024 15:03	vial A pH<2	JC/MD	Ok
12	P4886-04	Storage-Blank-SAMPLE	VX043987.D	25 Nov 2024 15:26	vial A pH<2	JC/MD	Ok
13	P4873-02	FSND-MW-30-2024111	VX043988.D	25 Nov 2024 15:49	vial A pH<2	JC/MD	Ok
14	P4873-04	FSND-MW-19-2024111	VX043989.D	25 Nov 2024 16:12	vial A pH<2	JC/MD	Ok
15	P4873-05	FSND-MW-32-2024111	VX043990.D	25 Nov 2024 16:35	vial A pH<2	JC/MD	Ok
16	P4873-06	FSND-MW-34-2024111	VX043991.D	25 Nov 2024 16:58	vial A pH<2	JC/MD	Ok
17	P4873-07	FSND-GEP-3-2024111	VX043992.D	25 Nov 2024 17:21	vial A pH<2 Need 5X	JC/MD	Dilution
18	P4873-08	FSND-MW-28-2024111	VX043993.D	25 Nov 2024 17:44	vial A pH<2 Need 10X	JC/MD	Dilution

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112524

Review By	Maresh Dadoda	Review On	11/26/2024 9:44:43 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/26/2024 9:47:07 AM
SubDirectory	VX112524	HP Acquire Method	HP Processing Method 82X112124W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP131793		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131794,VP131795		

19	P4873-09	FSND-MW-29-2024111	VX043994.D	25 Nov 2024 18:08	vial A pH<2	JC/MD	Ok
20	P4846-05	FSND-MW-EVAL-04D-2	VX043995.D	25 Nov 2024 18:31	vial A pH<2	JC/MD	Ok
21	P4846-06MS	FSND-MW-EVAL-04D-2	VX043996.D	25 Nov 2024 18:54	vial A pH<2	JC/MD	Ok,M
22	P4846-07MSD	FSND-MW-EVAL-04D-2	VX043997.D	25 Nov 2024 19:17	vial A pH<2	JC/MD	Ok,M
23	PB165160TB	PB165160TB	VX043998.D	25 Nov 2024 19:40		JC/MD	Ok
24	P4938-04	MH-732	VX043999.D	25 Nov 2024 20:03	vial A pH#5.0	JC/MD	Ok
25	P4938-08	MH-734	VX044000.D	25 Nov 2024 20:26	vial A pH#5.0	JC/MD	Ok
26	P4995-01	001	VX044001.D	25 Nov 2024 20:49	vial A pH<2	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX044002.D	25 Nov 2024 21:12		JC/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/15/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 11/16/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133466

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4851-01	OK-02-11142024	1	1.15	8.40	9.55	9.06	94.2	
P4851-02	OK-02-11142024-E2	2	1.16	8.50	9.66	9.32	96.0	
P4860-01	DUP-01	15	1.15	8.38	9.53	9.26	96.8	
P4860-02	PH2-BPT-001	16	1.18	8.50	9.68	9.41	96.8	
P4860-03	PH2-BPT-002	17	1.16	8.47	9.63	9.34	96.6	
P4860-04	PH2-BPT-003	18	1.15	8.49	9.64	9.45	97.8	
P4860-05	PH2-BPT-004	19	1.16	8.78	9.94	9.77	98.1	
P4860-06	PH2-BPT-009	20	1.19	8.59	9.78	9.63	98.3	
P4860-07	PH2-BPT-008	21	1.16	8.48	9.64	9.37	96.8	
P4860-08	PH2-BPT-007	22	1.16	8.48	9.64	9.47	98.0	
P4860-09	PH2-BPT-006	23	1.15	8.81	9.96	9.74	97.5	
P4860-10	PH2-BPT-005	24	1.13	8.85	9.98	9.77	97.6	
P4862-01	Y2404-0033-END-1-1	45	1.00	1.00	2.00	2.00	100.0	oilc
P4862-02	Y2404-0033-END-1-2	46	1.00	1.00	2.00	2.00	100.0	oilc
P4862-03	Y2404-END-1-1	47	1.00	1.00	2.00	2.00	100.0	oilc
P4862-04	Y2404-END-1-2	48	1.00	1.00	2.00	2.00	100.0	oilc
P4862-05	KMH4671-END-1-1	49	1.00	1.00	2.00	2.00	100.0	oilc
P4862-06	KMH4671-END-1-2	50	1.00	1.00	2.00	2.00	100.0	oilc
P4862-07	W029060-END-1-1	51	1.00	1.00	2.00	2.00	100.0	oilc
P4862-08	W029060-END-1-2	52	1.00	1.00	2.00	2.00	100.0	oilc
P4865-01	02-9042-1-1	41	1.00	1.00	2.00	2.00	100.0	oilc
P4865-02	02-9042-1-2	42	1.00	1.00	2.00	2.00	100.0	oilc
P4865-03	BC271303-1-1	43	1.00	1.00	2.00	2.00	100.0	oilc
P4865-04	BC271303-1-2	44	1.00	1.00	2.00	2.00	100.0	oilc
P4869-01	EO-02-11152024	53	1.16	8.50	9.66	8.89	90.9	
P4869-02	EO-02-11152024-E2	54	1.18	8.52	9.7	9.1	93.0	
P4870-01	TP-1	3	1.14	8.69	9.83	8.9	89.3	
P4870-02	TP-1-EPH	4	1.15	8.45	9.6	8.61	88.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/15/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 11/16/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133466

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4870-03	TP-1-VOC	5	1.12	8.75	9.87	8.84	88.2	
P4870-04	MH-735	6	1.18	8.59	9.77	8.84	89.2	
P4870-05	MH-735-EPH	7	1.18	8.42	9.6	8.68	89.1	
P4870-06	MH-735-VOC	8	1.18	8.47	9.65	8.71	88.9	
P4870-07	MH-736	9	1.19	8.63	9.82	8.85	88.8	
P4870-08	MH-736-EPH	10	1.12	8.66	9.78	8.92	90.1	
P4870-09	MH-736-VOC	11	1.16	8.80	9.96	9.1	90.2	
P4870-10	TP-15	12	1.18	8.73	9.91	8.77	86.9	
P4870-11	TP-15-EPH	13	1.19	8.71	9.9	8.73	86.6	
P4870-12	TP-15-VOC	14	1.18	8.42	9.6	8.54	87.4	
P4886-05	SVOC-GPC-BLANK	25	1.00	1.00	2.00	2.00	100.0	
P4886-06	PEST-GPC-BLANK	26	1.00	1.00	2.00	2.00	100.0	
P4886-07	PEST-GPC-BLANK-SPIKE	27	1.00	1.00	2.00	2.00	100.0	
P4886-08	PCB-GPC-BLANK	28	1.00	1.00	2.00	2.00	100.0	
P4886-09	PCB-GPC-BLANK-SPIKE	29	1.00	1.00	2.00	2.00	100.0	
P4886-10	SVOC-GPC2-BLANK	30	1.00	1.00	2.00	2.00	100.0	
P4886-11	PEST-GPC2-BLANK	31	1.00	1.00	2.00	2.00	100.0	
P4886-12	PEST-GPC2-BLANK-SPIKE	32	1.00	1.00	2.00	2.00	100.0	
P4886-13	PCB-GPC2-BLANK	33	1.00	1.00	2.00	2.00	100.0	
P4886-14	PCB-GPC2-BLANK-SPIKE	34	1.00	1.00	2.00	2.00	100.0	
P4887-01	MH-739	35	1.15	8.83	9.98	9.2	91.2	
P4887-03	MH-739-EPH	36	1.17	8.60	9.77	8.94	90.3	
P4887-04	MH-739-VOC	37	1.12	8.68	9.8	8.62	86.4	
P4887-05	MH-760	38	1.15	8.40	9.55	8.56	88.2	
P4887-07	MH-760-EPH	39	1.15	8.83	9.98	9.14	90.5	
P4887-08	MH-760-VOC	40	1.14	8.81	9.95	9.4	93.8	
P4889-01	VNJ-228	55	1.17	8.55	9.72	8.96	91.1	
P4889-02	VNJ-228-VOC	56	1.15	8.72	9.87	8.87	88.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/18/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/15/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 11/16/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133466

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
P4889-03	#72-11978	57	1.18	8.63	9.81	9.14	92.2	
P4889-04	#72-11978-VOC	58	1.13	8.76	9.89	9.41	94.5	
P4889-05	#72-11930	59	1.14	8.84	9.98	9.4	93.4	
P4889-06	#72-11930-VOC	60	1.14	8.84	9.98	9.52	94.8	

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

WORKLIST(Hardcopy Internal Chain)

133466

WorkList Name : %1-111524

WorkList ID : 185446

Department : Wet-Chemistry

Date : 11-15-2024 07:57:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4851-01	OK-02-11142024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	11/14/2024	Chemtech -SO
P4851-02	OK-02-11142024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	11/14/2024	Chemtech -SO
P4860-01	DUP-01	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-02	PH2-BPT-001	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-03	PH2-BPT-002	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-04	PH2-BPT-003	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-05	PH2-BPT-004	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-06	PH2-BPT-009	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-07	PH2-BPT-008	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-08	PH2-BPT-007	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-09	PH2-BPT-006	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4860-10	PH2-BPT-005	Solid	Percent Solids	Cool 4 deg C	CORN02	L41	11/14/2024	Chemtech -SO
P4862-01	Y2404-0033-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4862-02	Y2404-0033-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4862-03	Y2404-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4862-04	Y2404-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4862-05	KMH4671-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4862-06	KMH4671-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4862-07	W029060-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4862-08	W029060-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4865-01	02-9042-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO

Date/Time 11-15-24 15:35

Raw Sample Received by: 80 wlf

Raw Sample Relinquished by: F.C. Jones

Date/Time 11-15-24

Raw Sample Received by: J.C. Jones

Raw Sample Relinquished by: 80 wlf

WORKLIST(Hardcopy Internal Chain)

1333466

WorkList Name : %1-111524

WorkList ID : 185446

Department : Wet-Chemistry

Date : 11-15-2024 07:57:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4865-02	02-9042-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4865-03	BC271303-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4865-04	BC271303-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4869-01	EO-02-11152024	Solid	Percent Solids	Cool 4 deg C	PSEG05	M11	11/15/2024	Chemtech -SO
P4869-02	EO-02-11152024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	M11	11/15/2024	Chemtech -SO
P4870-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-04	MH-735	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-05	MH-735-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-06	MH-735-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-07	MH-736	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-08	MH-736-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-09	MH-736-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-10	TP-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-11	TP-15-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4870-12	TP-15-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/14/2024	Chemtech -SO
P4886-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO

Date/Time 11-15-24 15:35
 Raw Sample Received by: SD WPC
 Raw Sample Relinquished by: SD WPC

Date/Time 11-15-24
 Raw Sample Received by: SD WPC
 Raw Sample Relinquished by: SD WPC

WORKLIST(Hardcopy Internal Chain)

133466

WorkList Name : %1-111524

WorkList ID : 185446

Department : Wet-Chemistry

Date : 11-15-2024 07:57:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4886-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4886-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	M11	11/15/2024	Chemtech -SO
P4887-01	MH-739	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4887-03	MH-739-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4887-04	MH-739-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4887-05	MH-760	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4887-07	MH-760-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4887-08	MH-760-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4889-01	VNJ-228	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4889-02	VNJ-228-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4889-03	#72-11978	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4889-04	#72-11978-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4889-05	#72-11930	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO
P4889-06	#72-11930-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	M11	11/15/2024	Chemtech -SO

Date/Time 11-15-24 15:35

Raw Sample Received by: SO wey

Raw Sample Relinquished by: SO wey

Date/Time 11-15-24 17:30

Raw Sample Received by: SO wey

Raw Sample Relinquished by: SO wey



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 Number

P4886

COC Number

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

Report to be sent to:
COMPANY: Chemtech
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE: NJ ZIP: 08816
ATTENTION: QA Officer
PHONE: (908) 789-8900 FAX: (908) 789-8922

PROJECT NAME: Weekly Storage Blanks
PROJECT #: LOCATION: NJ
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILL TO: Same
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

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

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

1 VOC - BULKY
2 SVOC - FULL
3 PESTICIDE - FULL
4 PCB
5
6
7
8
9

CHEMTECH
SAMPLE ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

DATE

TIME

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CHEMTECH

CHAIN OF CUSTODY RECORD

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

#2

Chemtech Project Number

COC Number

P4886

CLIENT INFORMATION

Report to be sent to:
COMPANY: CHEMTECH
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: QA Officer
PHONE: 908-789-8900 FAX: 908-789-8922

PROJECT INFORMATION
PROJECT NAME: Weekly Storage Tanks
PROJECT #: LOCATION: AET
PROJECT MANAGER:
E-MAIL:
PHONE:

BILLING INFORMATION

BILL TO: SAME
ADDRESS:
CITY:
ATTENTION:
PHONE:
STATE: ZIP:

DATA TURNAROUND INFORMATION

FAX FISH:
HARDCOPY (DATA PACKAGE): 25 DAYS*
ED: 25 DAYS*
TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EDD FORMAT
☐ Level 4 (QC + Full Raw Data)
☐ NJ Required
☐ NYS ASP A
☐ Other

ANALYSIS

1. PCB-DUMPS
2. PCB-DUMPS
3. PCB-DUMPS
4. PCB-DUMPS
5. PCB-DUMPS
6. PCB-DUMPS
7. PCB-DUMPS
8. PCB-DUMPS
9. PCB-DUMPS
10. PCB-DUMPS

PRESERVATIVES

COMMENTS

Specify Preservation
A-HCI D-NON
B-HNOS E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	1	2	3	4	5	6	7	8	9
1.	PEST-GR2-BLANK	SO												
2.	PEST-GR2-BLANK-SPIKE	SO	X											
3.	PCB-GR2-BLANK	SO	X											
4.	PCB-GR2-BLANK-SPIKE	SO	X											
5.		SO	X											
6.		SO	X											
7.														
8.														
9.														
10.														

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

1. RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME:	RECEIVED BY:
2. RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
3. RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:

Condition of bottles of evidence at receipt: COMPLAINT NONCOMPLAINT COOLER TEMP: 6.0

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other:
CHEMTECH: ☐ Picked Up

Shipment Complete
YES NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



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