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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	P5288	**OrderDate:**	12/13/2024 2:39:00 PM
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
P5288-01	**Storage-Blank-SOIL-REF-6**	**Water**			**12/13/24**			**12/13/24**
			VOC- Chemtech Full	8260-Low			12/16/24	
P5288-02	**Storage-Blank-WATER-REF-5**	**Water**			**12/13/24**			**12/13/24**
			VOC- Chemtech Full	8260-Low			12/16/24	
P5288-03	**Storage-Blank-WATER-REF-4**	**Water**			**12/13/24**			**12/13/24**
			VOC- Chemtech Full	8260-Low			12/16/24	
P5288-04	**Storage-Blank-SAMPLE-MANAGEMENT**	**Water**			**12/13/24**			**12/13/24**
			VOC- Chemtech Full	8260-Low			12/16/24	

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Hit Summary Sheet
SW-846

SDG No.: P5288

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: P5288

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5288-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	47.1	94	74	125
		Dibromofluoromethane	50	47.5	95	75	124
		Toluene-d8	50	52.0	104	86	113
		4-Bromofluorobenzene	50	47.5	95	77	121
P5288-02	Storage-Blank-WATER-REF-5	1,2-Dichloroethane-d4	50	47.4	95	74	125
		Dibromofluoromethane	50	47.5	95	75	124
		Toluene-d8	50	52.1	104	86	113
		4-Bromofluorobenzene	50	48.5	97	77	121
P5288-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	47.4	95	74	125
		Dibromofluoromethane	50	47.4	95	75	124
		Toluene-d8	50	52.0	104	86	113
		4-Bromofluorobenzene	50	49.7	99	77	121
P5288-04	Storage-Blank-SAMPLE-MANAGEME	1,2-Dichloroethane-d4	50	45.5	91	74	125
		Dibromofluoromethane	50	46.6	93	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	48.3	97	77	121
VX1216WBL01	VX1216WBL01	1,2-Dichloroethane-d4	50	47.5	95	74	125
		Dibromofluoromethane	50	46.8	94	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	49.4	99	77	121
VX1216WBS01	VX1216WBS01	1,2-Dichloroethane-d4	50	47.2	94	74	125
		Dibromofluoromethane	50	48.5	97	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	48.6	97	77	121
VX1216WBSD0	VX1216WBSD01	1,2-Dichloroethane-d4	50	48.9	98	74	125
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	51.2	102	86	113
		4-Bromofluorobenzene	50	51.1	102	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5288

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044311.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1216WBS01	Dichlorodifluoromethane	20	19.9	ug/L	100			69	116	
	Chloromethane	20	20.8	ug/L	104			65	116	
	Vinyl chloride	20	19.7	ug/L	99			65	117	
	Ethyl Acetate	20	17.9	ug/L	90			75	115	
	Bromomethane	20	19.0	ug/L	95			58	125	
	Chloroethane	20	20.3	ug/L	102			56	128	
	Trichlorofluoromethane	20	16.0	ug/L	80			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/L	101			80	112	
	Tert butyl alcohol	100	100	ug/L	100			73	124	
	1,1-Dichloroethene	20	20.3	ug/L	102			74	110	
	Acrolein	100	87.4	ug/L	87			51	143	
	Acrylonitrile	100	96.6	ug/L	97			73	113	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	19.3	ug/L	97			64	112	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			78	114	
	Methyl Acetate	20	18.9	ug/L	95			67	125	
	Methylene Chloride	20	20.6	ug/L	103			72	114	
	trans-1,2-Dichloroethene	20	20.3	ug/L	102			75	108	
	Vinyl Acetate	100	100	ug/L	100			76	115	
	1,1-Dichloroethane	20	20.4	ug/L	102			78	112	
	Cyclohexane	20	19.4	ug/L	97			75	110	
	2-Butanone	100	98.7	ug/L	99			65	122	
	Carbon Tetrachloride	20	20.4	ug/L	102			77	113	
	2,2-Dichloropropane	20	21.6	ug/L	108			75	116	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			77	110	
	Bromochloromethane	20	16.6	ug/L	83			70	124	
	Chloroform	20	19.6	ug/L	98			79	113	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			80	108	
	Methylcyclohexane	20	20.6	ug/L	103			72	115	
	1,1-Dichloropropene	20	20.1	ug/L	101			79	110	
	Benzene	20	20.5	ug/L	103			82	109	
	1,2-Dichloroethane	20	20.0	ug/L	100			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.8	ug/L	104			83	111	
	Dibromomethane	20	20.2	ug/L	101			82	110	
	Bromodichloromethane	20	20.8	ug/L	104			83	110	
	4-Methyl-2-Pentanone	100	93.9	ug/L	94			74	118	
	Toluene	20	20.6	ug/L	103			82	110	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			79	110	
	cis-1,3-Dichloropropene	20	21.3	ug/L	106			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	1,3-Dichloropropane	20	20.1	ug/L	101			83	111	
	2-Chloroethyl vinyl ether	100	94.5	ug/L	95			75	124	
	2-Hexanone	100	98.2	ug/L	98			73	117	
	Dibromochloromethane	20	19.9	ug/L	100			82	110	
	1,2-Dibromoethane	20	20.8	ug/L	104			81	110	
	Tetrachloroethene	20	21.1	ug/L	106			67	123	
	Chlorobenzene	20	20.4	ug/L	102			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5288

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044311.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1216WBS01	1,1,1,2-Tetrachloroethane	20	20.3	ug/L	102			84	111	
	Hexachloroethane	20	20.7	ug/L	104			80	113	
	Ethyl Benzene	20	20.7	ug/L	104			83	109	
	m/p-Xylenes	40	41.6	ug/L	104			82	110	
	o-Xylene	20	20.9	ug/L	104			83	109	
	Styrene	20	20.7	ug/L	104			80	111	
	Bromoform	20	19.1	ug/L	96			79	109	
	Isopropylbenzene	20	21.0	ug/L	105			83	112	
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98			76	118	
	1,2,3-Trichloropropane	20	18.9	ug/L	95			75	112	
	Bromobenzene	20	20.7	ug/L	104			77	116	
	N-propylbenzene	20	21.1	ug/L	106			83	112	
	2-Chlorotoluene	20	20.2	ug/L	101			83	110	
	1,3,5-Trimethylbenzene	20	21.0	ug/L	105			85	112	
	4-Chlorotoluene	20	20.8	ug/L	104			82	110	
	tert-Butylbenzene	20	21.0	ug/L	105			83	112	
	1,2,4-Trimethylbenzene	20	21.5	ug/L	108			85	111	
	Sec-butylbenzene	20	20.9	ug/L	104			81	114	
	p-Isopropyltoluene	20	20.3	ug/L	102			78	116	
	1,3-Dichlorobenzene	20	21.1	ug/L	106			82	108	
	1,4-Dichlorobenzene	20	20.3	ug/L	102			82	107	
	n-Butylbenzene	20	21.1	ug/L	106			75	115	
	1,2-Dichlorobenzene	20	20.2	ug/L	101			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.8	ug/L	84			68	112	
	1,2,4-Trichlorobenzene	20	20.3	ug/L	102			75	113	
	Hexachlorobutadiene	20	19.8	ug/L	99			81	121	
	Naphthalene	20	19.2	ug/L	96			78	119	
	1,2,3-Trichlorobenzene	20	19.9	ug/L	100			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5288

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044312.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1216WBSD01	Dichlorodifluoromethane	20	18.9	ug/L	95	5		69	116	20
	Chloromethane	20	18.6	ug/L	93	11		65	116	20
	Vinyl chloride	20	18.7	ug/L	94	5		65	117	20
	Ethyl Acetate	20	19.1	ug/L	96	6		75	115	20
	Bromomethane	20	18.0	ug/L	90	5		58	125	20
	Chloroethane	20	21.2	ug/L	106	4		56	128	20
	Trichlorofluoromethane	20	16.4	ug/L	82	2		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101	0		80	112	20
	Tert butyl alcohol	100	100	ug/L	100	0		73	124	20
	1,1-Dichloroethene	20	19.1	ug/L	96	6		74	110	20
	Acrolein	100	82.0	ug/L	82	6		51	143	20
	Acrylonitrile	100	93.2	ug/L	93	4		73	113	20
	Acetone	100	110	ug/L	110	0		60	125	20
	Carbon disulfide	20	18.6	ug/L	93	4		64	112	20
	Methyl tert-butyl Ether	20	19.4	ug/L	97	1		78	114	20
	Methyl Acetate	20	18.6	ug/L	93	2		67	125	20
	Methylene Chloride	20	19.4	ug/L	97	6		72	114	20
	trans-1,2-Dichloroethene	20	18.9	ug/L	95	7		75	108	20
	Vinyl Acetate	100	100	ug/L	100	0		76	115	20
	1,1-Dichloroethane	20	19.3	ug/L	97	5		78	112	20
	Cyclohexane	20	19.7	ug/L	99	2		75	110	20
	2-Butanone	100	96.3	ug/L	96	3		65	122	20
	Carbon Tetrachloride	20	19.4	ug/L	97	5		77	113	20
	2,2-Dichloropropane	20	20.3	ug/L	102	6		75	116	20
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	1		77	110	20
	Bromochloromethane	20	19.1	ug/L	96	15		70	124	20
	Chloroform	20	19.5	ug/L	98	0		79	113	20
	1,1,1-Trichloroethane	20	19.4	ug/L	97	2		80	108	20
	Methylcyclohexane	20	20.9	ug/L	104	1		72	115	20
	1,1-Dichloropropene	20	20.1	ug/L	101	0		79	110	20
	Benzene	20	19.8	ug/L	99	4		82	109	20
	1,2-Dichloroethane	20	19.9	ug/L	100	0		80	115	20
	Trichloroethene	20	19.7	ug/L	99	3		77	113	20
	1,2-Dichloropropane	20	19.2	ug/L	96	8		83	111	20
	Dibromomethane	20	20.2	ug/L	101	0		82	110	20
	Bromodichloromethane	20	20.5	ug/L	103	1		83	110	20
	4-Methyl-2-Pentanone	100	95.0	ug/L	95	1		74	118	20
	Toluene	20	19.6	ug/L	98	5		82	110	20
	t-1,3-Dichloropropene	20	20.3	ug/L	102	2		79	110	20
	cis-1,3-Dichloropropene	20	20.4	ug/L	102	4		82	110	20
	1,1,2-Trichloroethane	20	20.1	ug/L	101	2		83	112	20
	1,3-Dichloropropane	20	20.2	ug/L	101	0		83	111	20
	2-Chloroethyl vinyl ether	100	90.7	ug/L	91	4		75	124	20
	2-Hexanone	100	98.4	ug/L	98	0		73	117	20
	Dibromochloromethane	20	19.3	ug/L	97	3		82	110	20
	1,2-Dibromoethane	20	20.4	ug/L	102	2		81	110	20
	Tetrachloroethene	20	20.1	ug/L	101	5		67	123	20
	Chlorobenzene	20	20.5	ug/L	103	1		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5288

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044312.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1216WBSD01	1,1,1,2-Tetrachloroethane	20	20.6	ug/L	103	1		84	111	20
	Hexachloroethane	20	20.4	ug/L	102	2		80	113	20
	Ethyl Benzene	20	20.7	ug/L	104	0		83	109	20
	m/p-Xylenes	40	42.1	ug/L	105	1		82	110	20
	o-Xylene	20	20.1	ug/L	101	3		83	109	20
	Styrene	20	20.5	ug/L	103	1		80	111	20
	Bromoform	20	20.0	ug/L	100	4		79	109	20
	Isopropylbenzene	20	19.8	ug/L	99	6		83	112	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99	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	7		77	116	20
	N-propylbenzene	20	20.1	ug/L	101	5		83	112	20
	2-Chlorotoluene	20	19.6	ug/L	98	3		83	110	20
	1,3,5-Trimethylbenzene	20	20.2	ug/L	101	4		85	112	20
	4-Chlorotoluene	20	20.2	ug/L	101	3		82	110	20
	tert-Butylbenzene	20	20.1	ug/L	101	4		83	112	20
	1,2,4-Trimethylbenzene	20	20.8	ug/L	104	4		85	111	20
	Sec-butylbenzene	20	20.1	ug/L	101	3		81	114	20
	p-Isopropyltoluene	20	20.0	ug/L	100	2		78	116	20
	1,3-Dichlorobenzene	20	20.1	ug/L	101	5		82	108	20
	1,4-Dichlorobenzene	20	19.2	ug/L	96	6		82	107	20
	n-Butylbenzene	20	20.4	ug/L	102	4		75	115	20
	1,2-Dichlorobenzene	20	20.1	ug/L	101	0		82	109	20
	1,2-Dibromo-3-Chloropropane	20	17.3	ug/L	86	2		68	112	20
	1,2,4-Trichlorobenzene	20	20.1	ug/L	101	1		75	113	20
	Hexachlorobutadiene	20	20.2	ug/L	101	2		81	121	20
	Naphthalene	20	19.1	ug/L	96	0		78	119	20
	1,2,3-Trichlorobenzene	20	19.9	ug/L	100	0		76	114	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1216WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG NO.: P5288

Lab File ID: VX044310.D Lab Sample ID: VX1216WBL01

Date Analyzed: 12/16/2024 Time Analyzed: 09:50

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
VX1216WBS01	VX1216WBS01	VX044311.D	12/16/2024
VX1216WBSD01	VX1216WBSD01	VX044312.D	12/16/2024
Storage-Blank-SOIL-REF-6	P5288-01	VX044314.D	12/16/2024
Storage-Blank-WATER-REF-5	P5288-02	VX044315.D	12/16/2024
Storage-Blank-WATER-REF-4	P5288-03	VX044316.D	12/16/2024
Storage-Blank-SAMPLE-MANAGEMENT	P5288-04	VX044317.D	12/16/2024

COMMENTS:

Raw Data: **VX044218.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG NO.: P5288

Lab File ID: VX044218.D BFB Injection Date: 12/11/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:13

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	21.7
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.2 (7.3) 1
176	95.0 - 101.0% of mass 174	68.7 (96.6) 1
177	5.0 - 9.0% of mass 176	4.6 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044219.D	12/11/2024	10:41
VSTDICC005	VSTDICC005	VX044220.D	12/11/2024	11:27
VSTDICC020	VSTDICC020	VX044221.D	12/11/2024	11:50
VSTDICCC050	VSTDICCC050	VX044222.D	12/11/2024	12:14
VSTDICC100	VSTDICC100	VX044223.D	12/11/2024	12:37
VSTDICC150	VSTDICC150	VX044224.D	12/11/2024	13:00

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG NO.: P5288

Lab File ID: VX044307.D BFB Injection Date: 12/16/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:09

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	54.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	69.5
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	66.1 (95.2) 1
177	5.0 - 9.0% of mass 176	4.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX044308.D	12/16/2024	08:58
VX1216WBL01	VX1216WBL01	VX044310.D	12/16/2024	09:50
VX1216WBS01	VX1216WBS01	VX044311.D	12/16/2024	10:13
VX1216WBSD01	VX1216WBSD01	VX044312.D	12/16/2024	10:43
Storage-Blank-SOIL-REF-6	P5288-01	VX044314.D	12/16/2024	11:29
Storage-Blank-WATER-REF-5	P5288-02	VX044315.D	12/16/2024	11:52
Storage-Blank-WATER-REF-4	P5288-03	VX044316.D	12/16/2024	12:15
Storage-Blank-SAMPLE-MANAGEMENT	P5288-04	VX044317.D	12/16/2024	12:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG NO.: P5288

Lab File ID: VX044308.D Date Analyzed: 12/16/2024

Instrument ID: MSVOA_X Time Analyzed: 08:58

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	139378	5.54	244474	6.75	205865	10.05
UPPER LIMIT	278756	6.038	488948	7.251	411730	10.549
LOWER LIMIT	69689	5.038	122237	6.251	102933	9.549
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	115253	5.55	214788	6.76	186937	10.06
Storage-Blank-WATER-REF-5	120776	5.54	223167	6.76	195316	10.06
Storage-Blank-WATER-REF-4	125222	5.54	233050	6.76	204802	10.06
Storage-Blank-SAMPLE-MANAGEMEN	123978	5.55	225986	6.76	196610	10.06
VX1216WBL01	134837	5.54	253656	6.75	222159	10.05
VX1216WBS01	134529	5.54	242066	6.76	212439	10.06
VX1216WBSD01	133444	5.54	238576	6.76	201904	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG NO.: P5288

Lab File ID: VX044308.D Date Analyzed: 12/16/2024

Instrument ID: MSVOA_X Time Analyzed: 08:58

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

	IS4 AREA #	RT #				
12 HOUR STD	95969	12.018				
UPPER LIMIT	191938	12.518				
LOWER LIMIT	47984.5	11.518				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	72853	12.02				
Storage-Blank-WATER-REF-5	81818	12.02				
Storage-Blank-WATER-REF-4	86519	12.02				
Storage-Blank-SAMPLE-MANAGEME	79808	12.02				
VX1216WBL01	94759	12.02				
VX1216WBS01	96021	12.02				
VX1216WBSD01	96145	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX044314.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P5288
Lab Sample ID:	P5288-01	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
VX044314.D	1		12/16/24 11:29	VX121624

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

Raw Data: **VX044314.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P5288
Lab Sample ID:	P5288-01	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
VX044314.D	1		12/16/24 11:29	VX121624

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

Raw Data: **VX044314.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P5288
Lab Sample ID:	P5288-01	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
VX044314.D	1		12/16/24 11:29	VX121624

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	47.1		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	52.0		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	115000	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	72900	12.024			

Raw Data: **VX044314.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P5288
Lab Sample ID:	P5288-01	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
VX044314.D	1		12/16/24 11:29	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX044314.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044314.D
Acq On : 16 Dec 2024 11:29
Operator : JC/MD
Sample : P5288-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 17 00:47:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	115253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	214788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95240	47.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.260%			
35) Dibromofluoromethane	5.379	113	70704	47.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.060%			
50) Toluene-d8	8.647	98	260853	51.976	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	11.079	95	83352	47.530	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.060%			

Target Compounds Qvalue

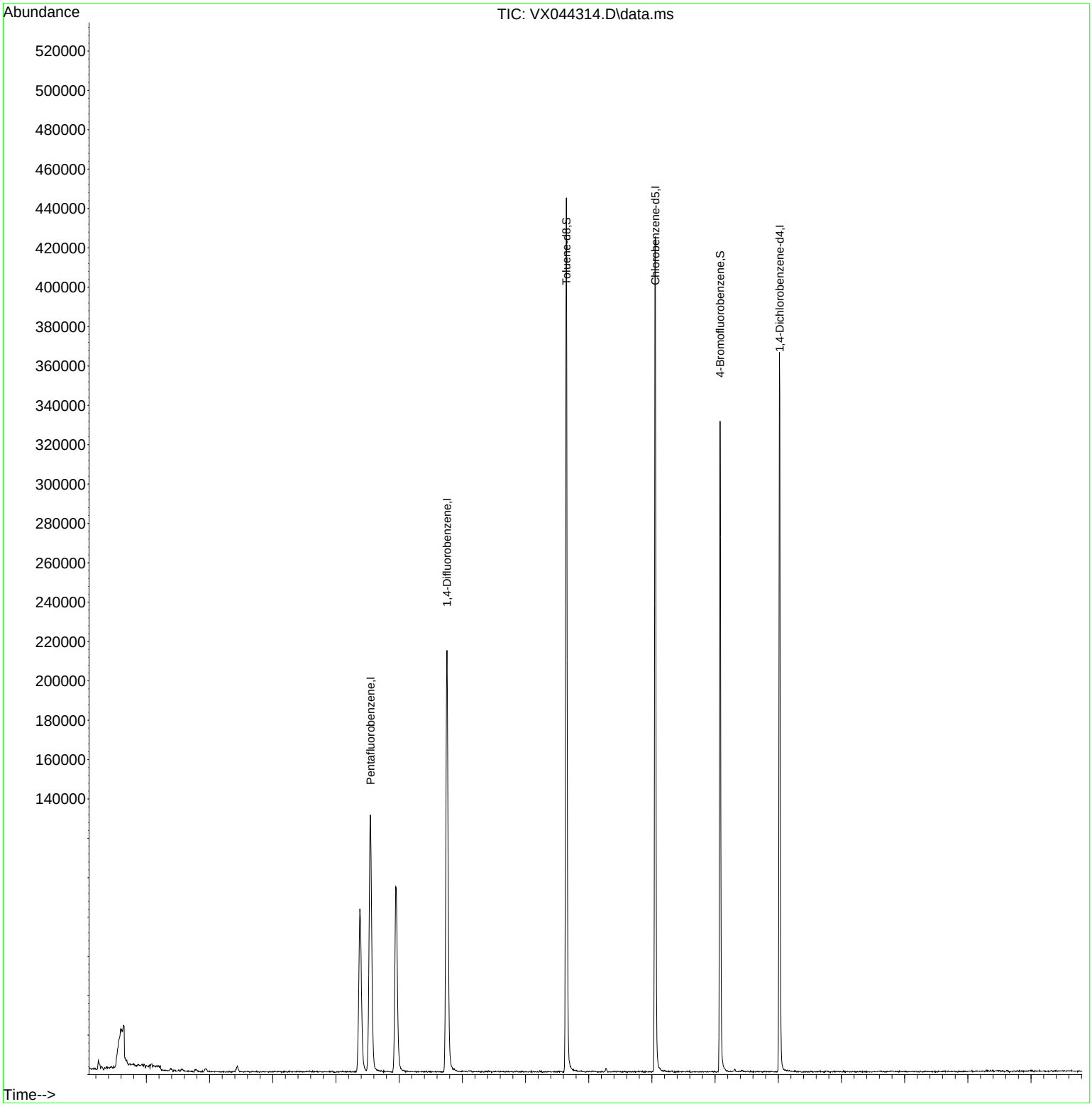
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX044314.D**

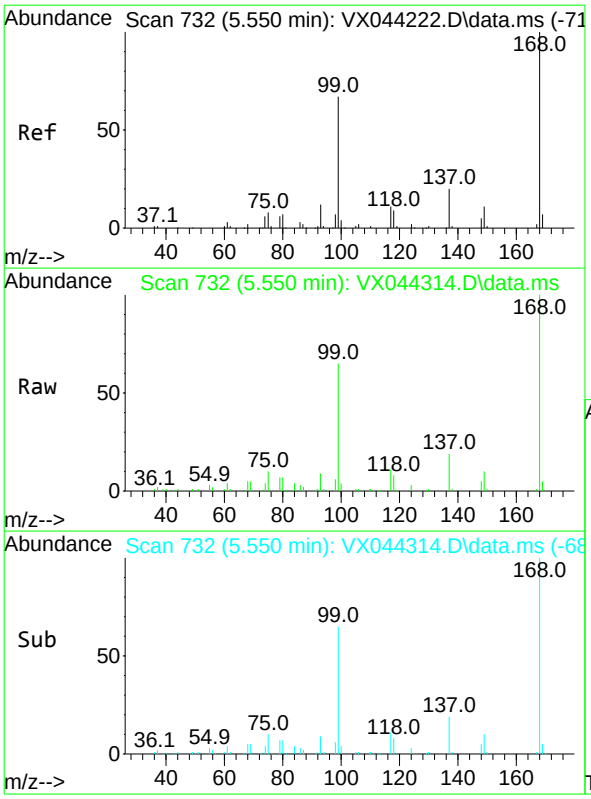
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044314.D
Acq On : 16 Dec 2024 11:29
Operator : JC/MD
Sample : P5288-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 17 00:47:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



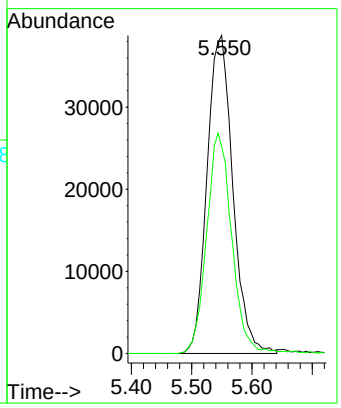
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SOIL-REF-6

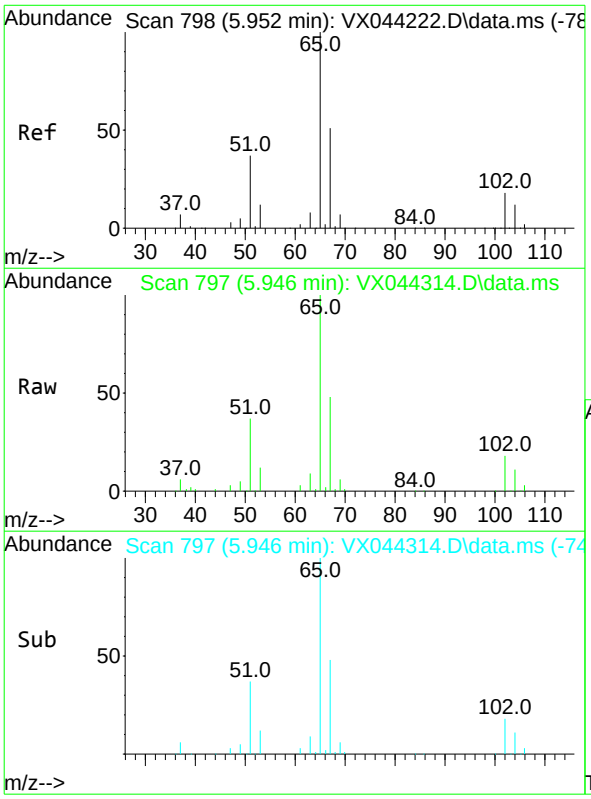


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

Tgt Ion:168 Resp: 115253

Ion	Ratio	Lower	Upper
168	100		
99	65.1	53.4	80.0

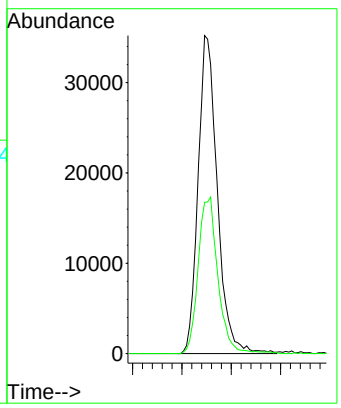


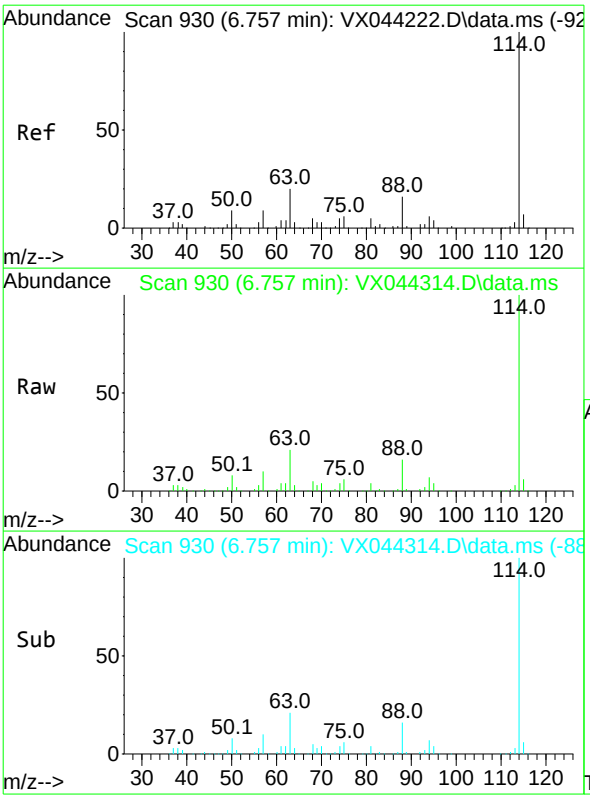


#33
1,2-Dichloroethane-d4
Concen: 47.131 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

Tgt Ion: 65 Resp: 95240

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6



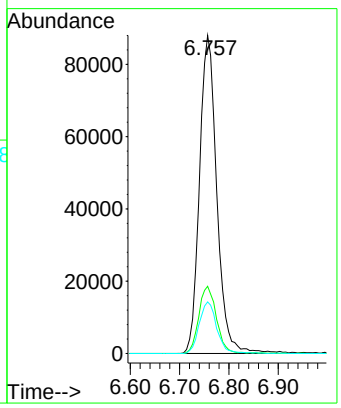


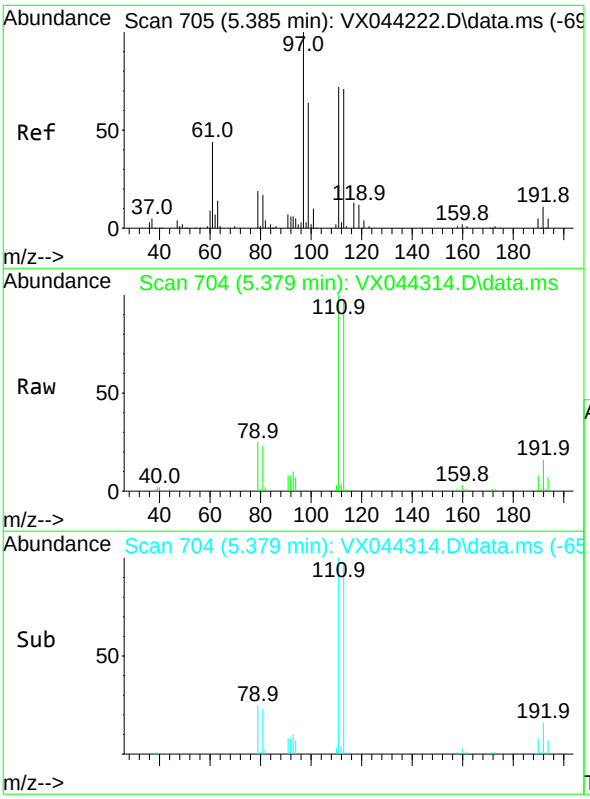
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

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

Tgt Ion:114 Resp: 214788

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.6
88	16.2	0.0	31.8

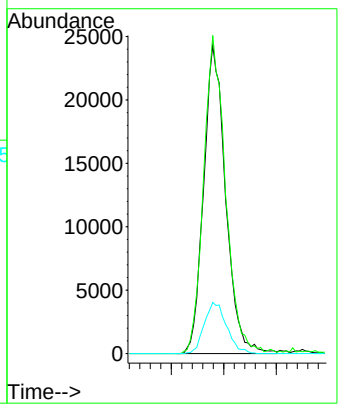


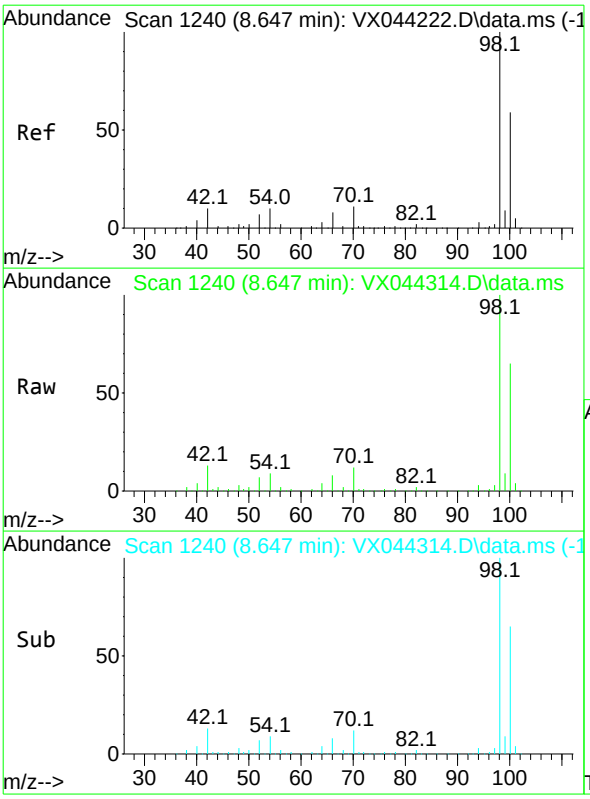


#35
Dibromofluoromethane
Concen: 47.529 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

Tgt Ion:113 Resp: 70704

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.4	120.6
192	16.9	13.3	19.9



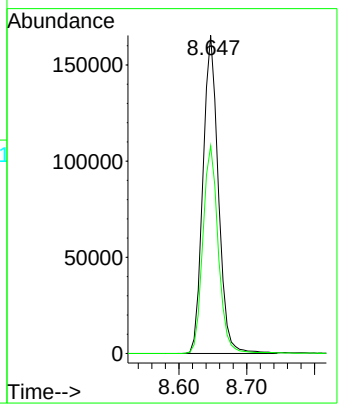


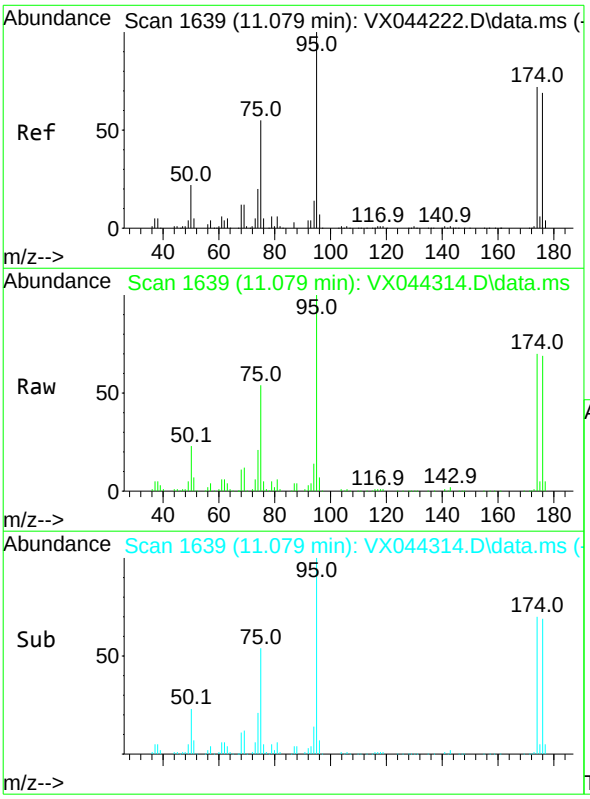
#50
Toluene-d8
Concen: 51.976 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

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

Tgt Ion: 98 Resp: 260853

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3

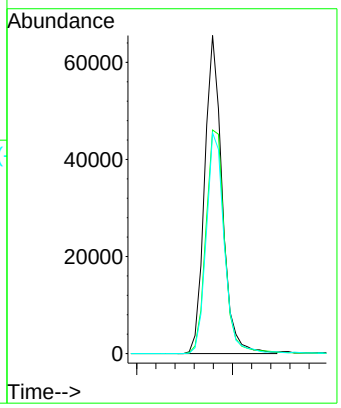


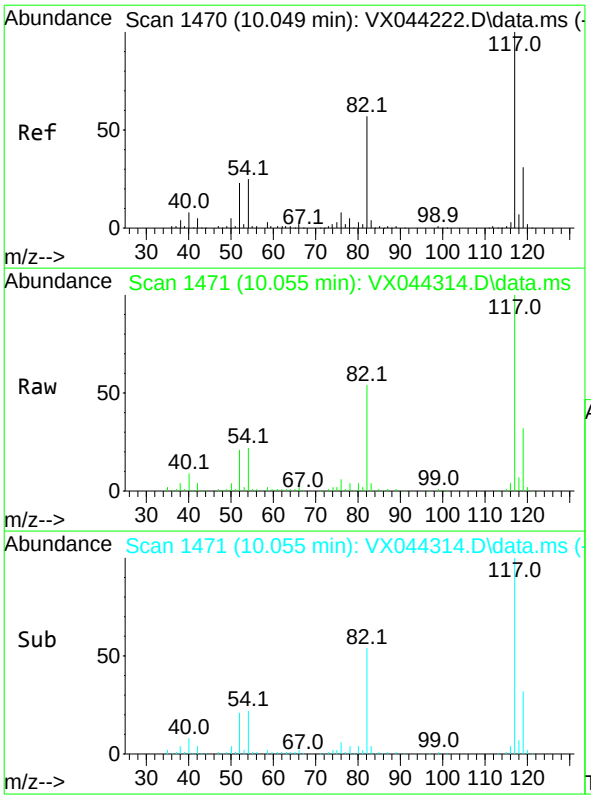


#62
4-Bromofluorobenzene
Concen: 47.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

Tgt Ion: 95 Resp: 83352

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.8
176	71.2	0.0	137.8



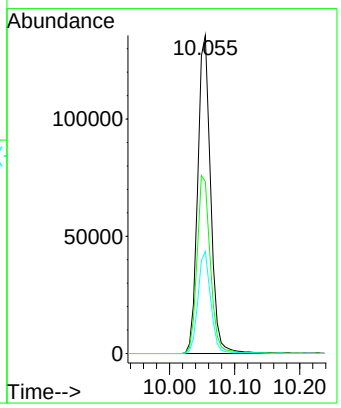


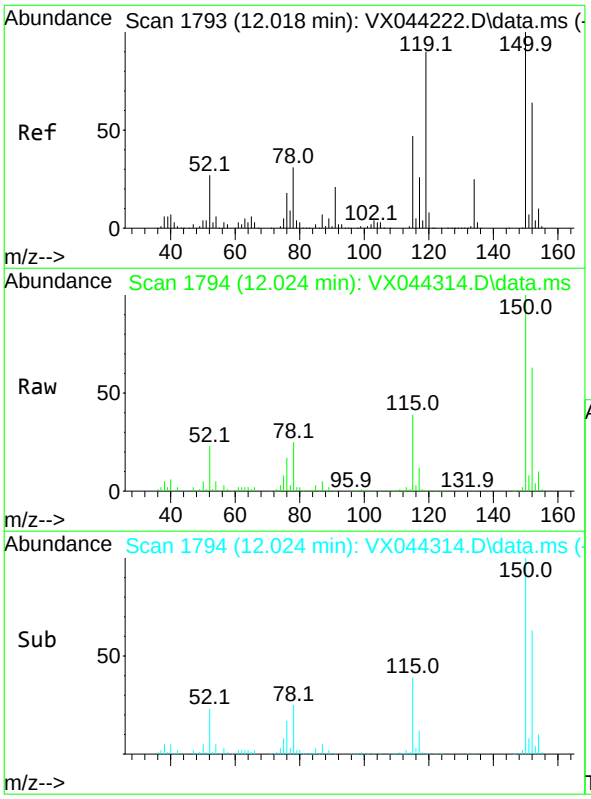
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

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

Tgt Ion:117 Resp: 186937

Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.8	68.8
119	32.1	25.0	37.4

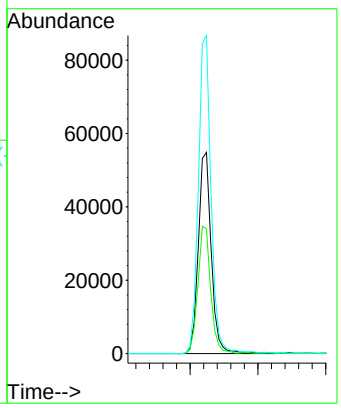




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044314.D
Acq: 16 Dec 2024 11:29

Tgt Ion:152 Resp: 72853

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.5	133.3
150	155.0	0.0	353.8



Raw Data: **VX044315.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P5288
Lab Sample ID:	P5288-02	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
VX044315.D	1		12/16/24 11:52	VX121624

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

Raw Data: **VX044315.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P5288
Lab Sample ID:	P5288-02	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
VX044315.D	1		12/16/24 11:52	VX121624

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

Raw Data: **VX044315.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P5288
Lab Sample ID:	P5288-02	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
VX044315.D	1		12/16/24 11:52	VX121624

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	47.4		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	52.1		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	121000	5.544			
540-36-3	1,4-Difluorobenzene	223000	6.757			
3114-55-4	Chlorobenzene-d5	195000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	81800	12.018			

Raw Data: **VX044315.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P5288
Lab Sample ID:	P5288-02	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
VX044315.D	1		12/16/24 11:52	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX044315.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044315.D
Acq On : 16 Dec 2024 11:52
Operator : JC/MD
Sample : P5288-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 17 00:47:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	120776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100290	47.360	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.720%			
35) Dibromofluoromethane	5.379	113	73453	47.523	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	8.647	98	271852	52.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.260%			
62) 4-Bromofluorobenzene	11.079	95	88406	48.519	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.040%			

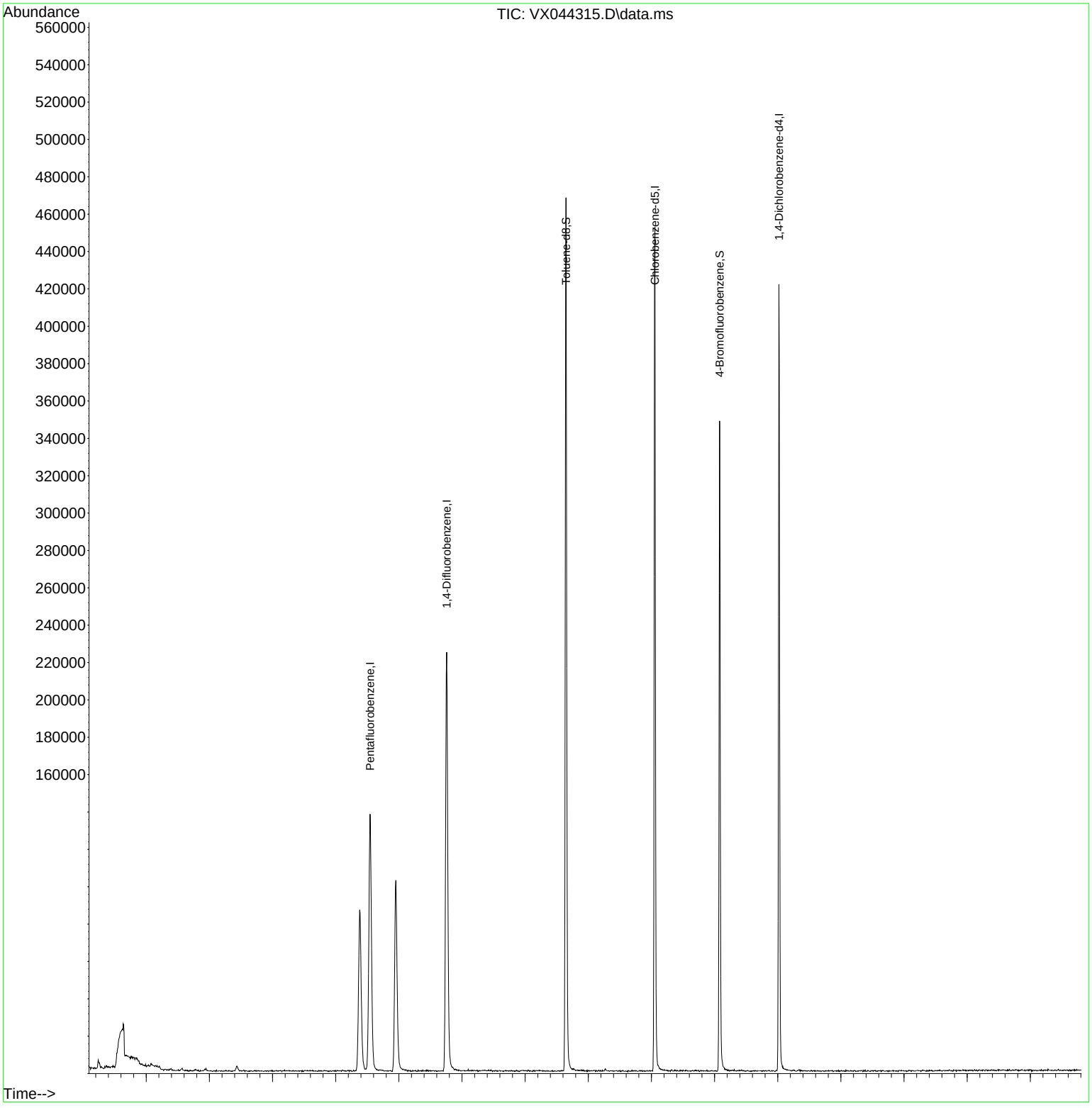
Target Compounds Qvalue

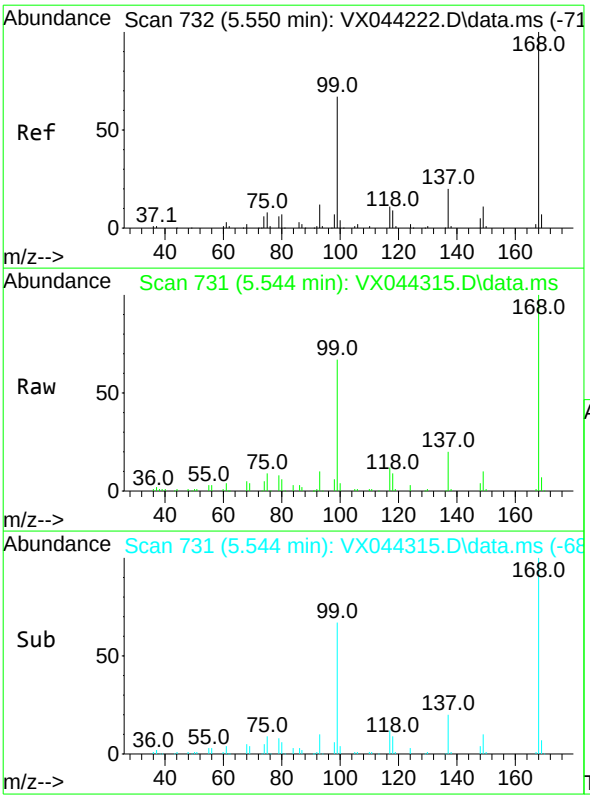
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044315.D
Acq On : 16 Dec 2024 11:52
Operator : JC/MD
Sample : P5288-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 17 00:47:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



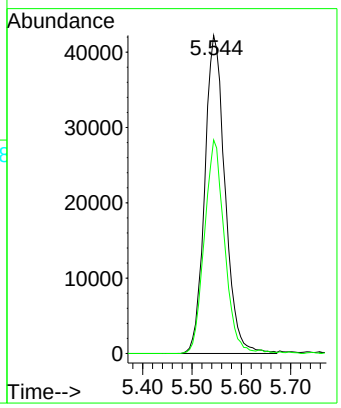


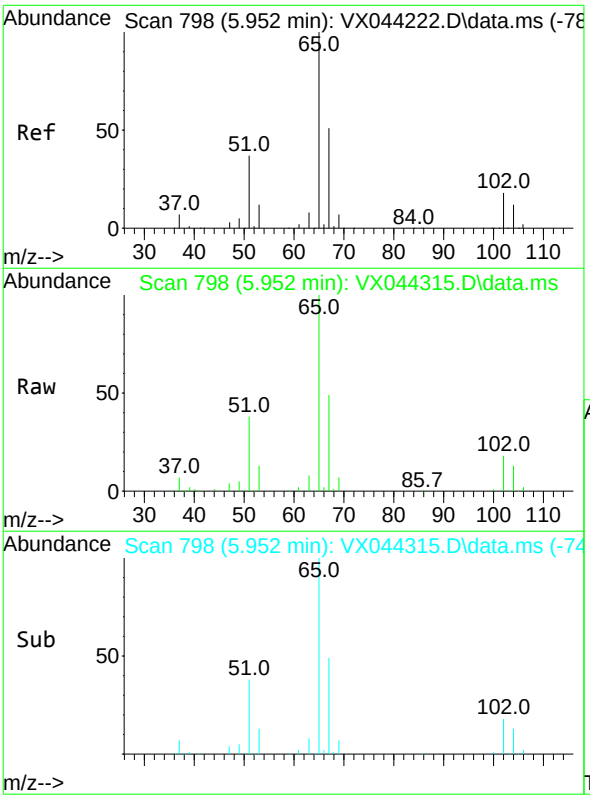
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

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

Tgt Ion:168 Resp: 120776

Ion	Ratio	Lower	Upper
168	100		
99	67.1	53.4	80.0

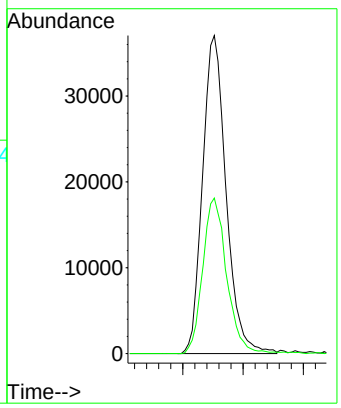


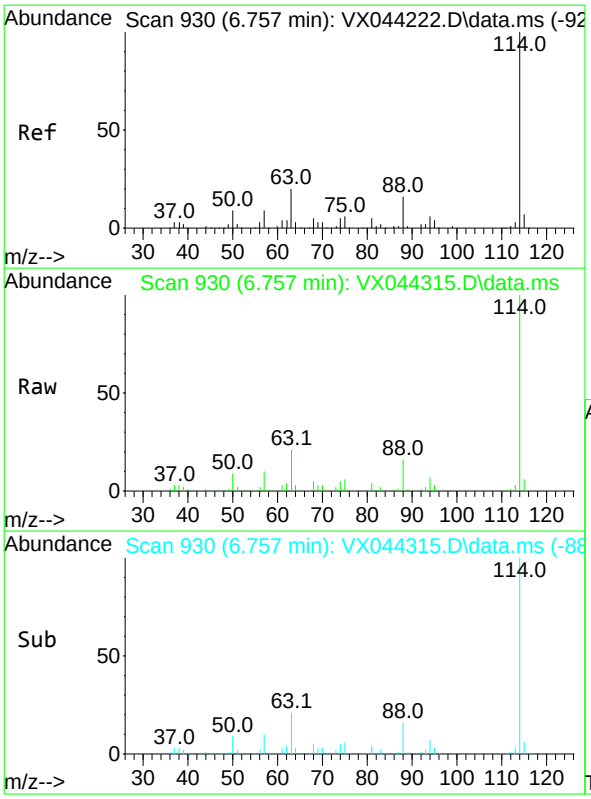


#33
1,2-Dichloroethane-d4
Concen: 47.360 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

Tgt Ion: 65 Resp: 100290

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	101.6



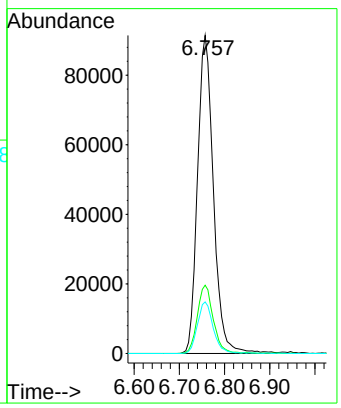


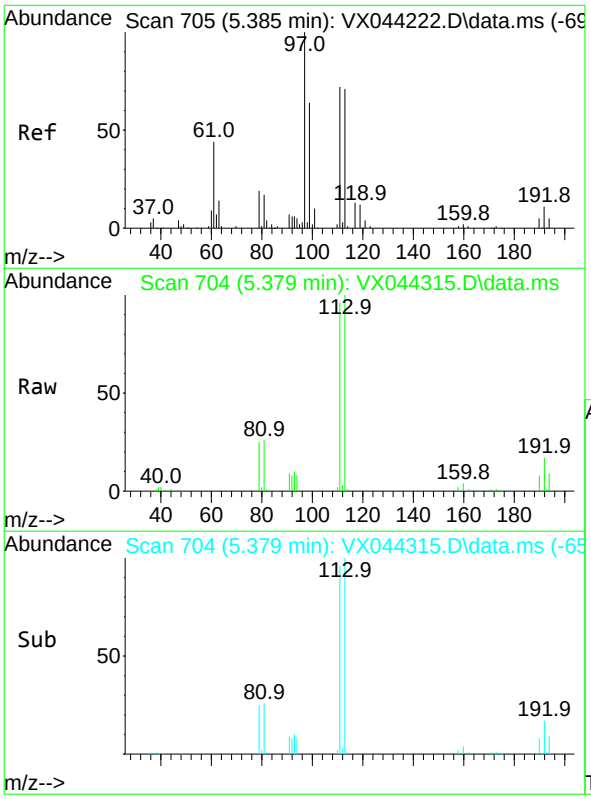
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

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

Tgt Ion:114 Resp: 223167

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.6
88	16.2	0.0	31.8

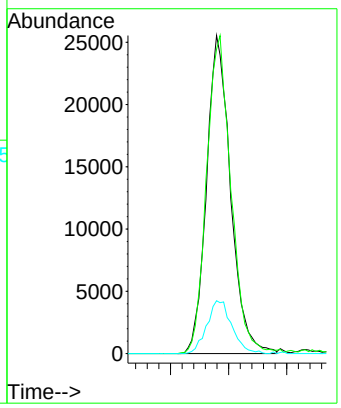


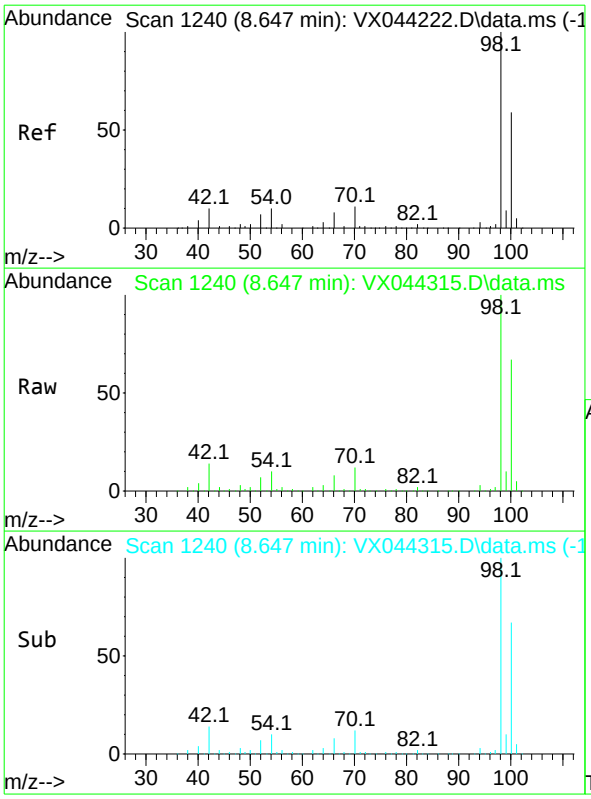


#35
Dibromofluoromethane
Concen: 47.523 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

Tgt Ion:113 Resp: 73453

Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.4	120.6
192	17.2	13.3	19.9



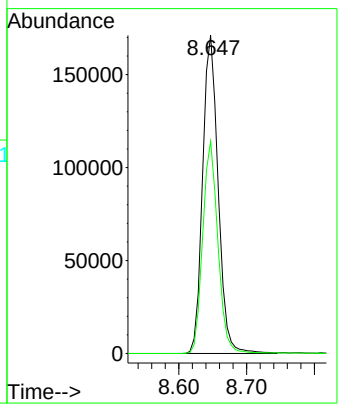


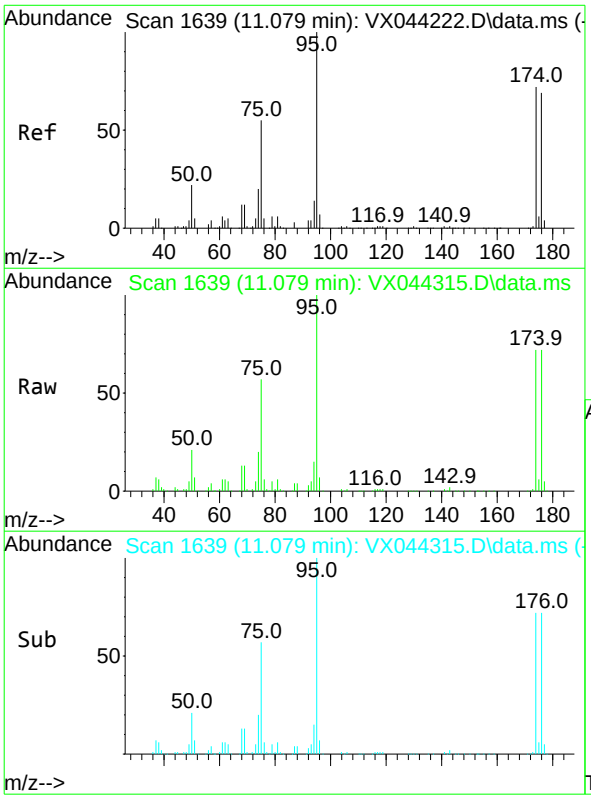
#50
Toluene-d8
Concen: 52.134 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

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

Tgt Ion: 98 Resp: 271852

Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.5	77.3

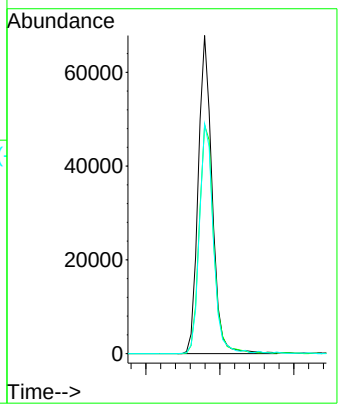


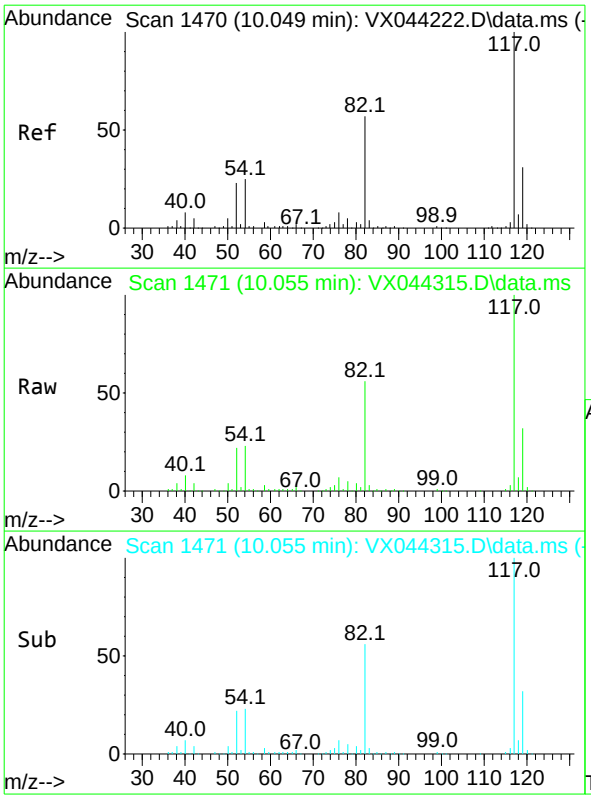


#62
4-Bromofluorobenzene
Concen: 48.519 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

Tgt Ion: 95 Resp: 88406

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.8
176	72.2	0.0	137.8



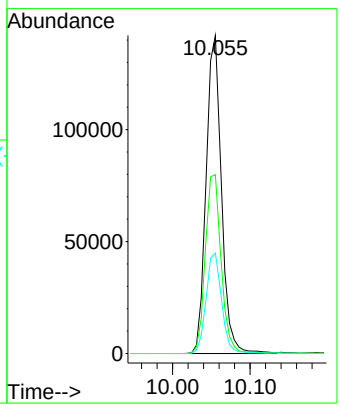


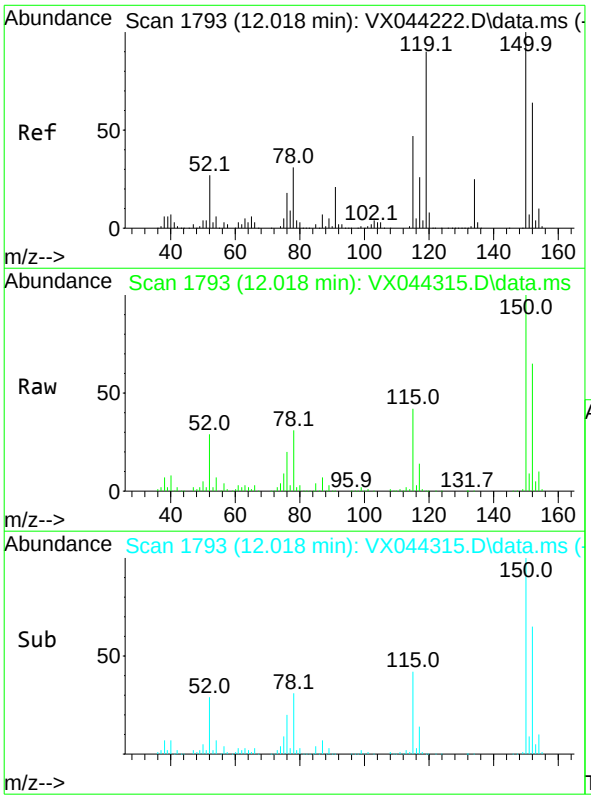
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

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

Tgt Ion:117 Resp: 195316

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.8	68.8
119	31.6	25.0	37.4

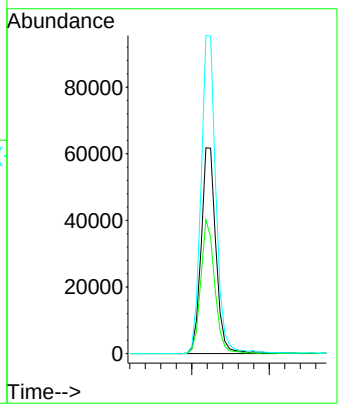




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044315.D
Acq: 16 Dec 2024 11:52

Tgt Ion:152 Resp: 81818

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.5	133.3
150	155.8	0.0	353.8



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P5288
Lab Sample ID:	P5288-03	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
VX044316.D	1		12/16/24 12:15	VX121624

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

Raw Data: **VX044316.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P5288
Lab Sample ID:	P5288-03	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
VX044316.D	1		12/16/24 12:15	VX121624

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

Raw Data: **VX044316.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P5288
Lab Sample ID:	P5288-03	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
VX044316.D	1		12/16/24 12:15	VX121624

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	47.4		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	52.0		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	5.544			
540-36-3	1,4-Difluorobenzene	233000	6.757			
3114-55-4	Chlorobenzene-d5	205000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	86500	12.024			

Raw Data: **VX044316.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P5288
Lab Sample ID:	P5288-03	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
VX044316.D	1		12/16/24 12:15	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX044316.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044316.D
Acq On : 16 Dec 2024 12:15
Operator : JC/MD
Sample : P5288-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 17 00:47:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

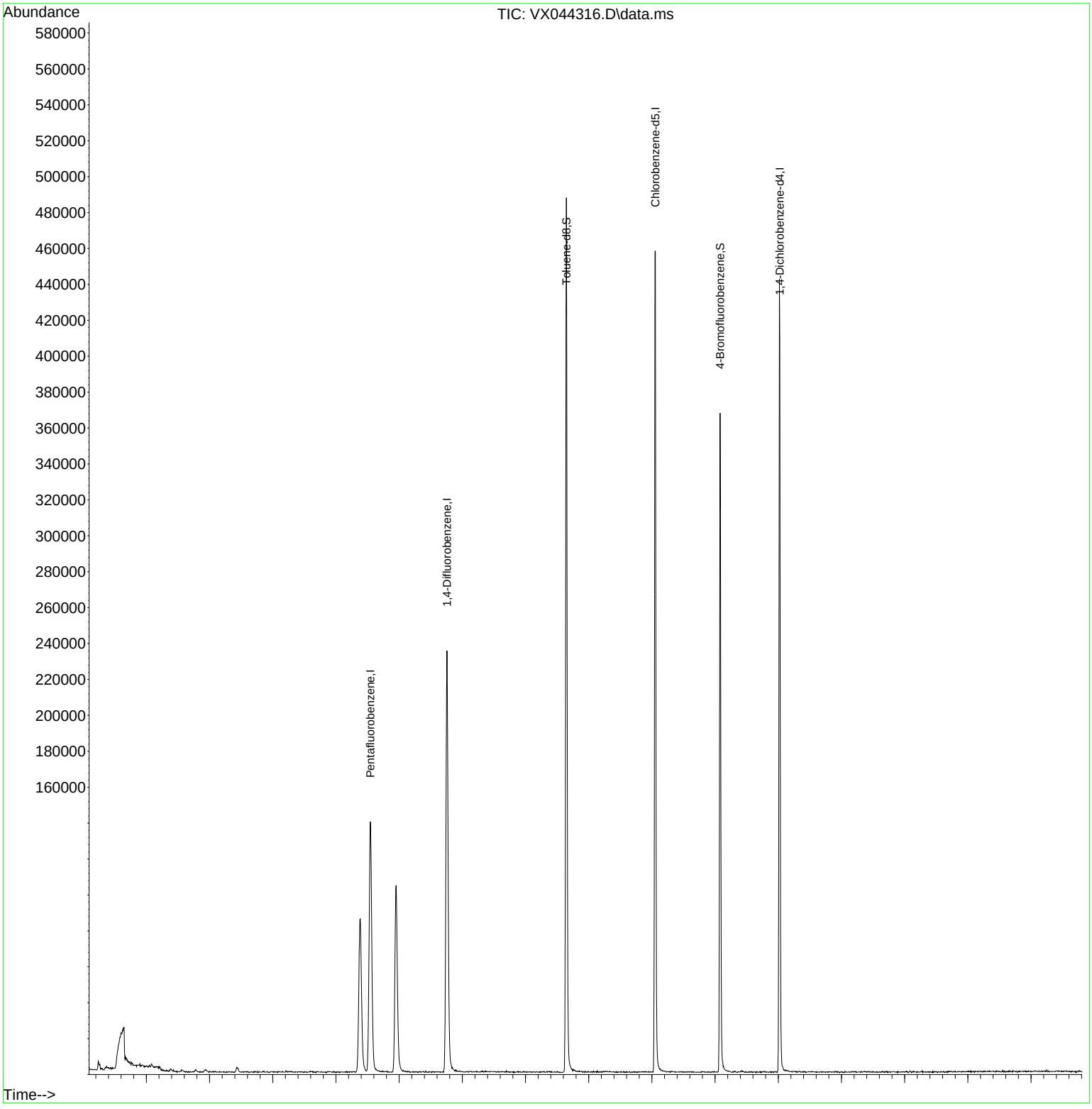
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104082	47.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.820%			
35) Dibromofluoromethane	5.379	113	76483	47.385	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.760%			
50) Toluene-d8	8.647	98	283377	52.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	11.079	95	94564	49.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.400%			
Target Compounds						Qvalue

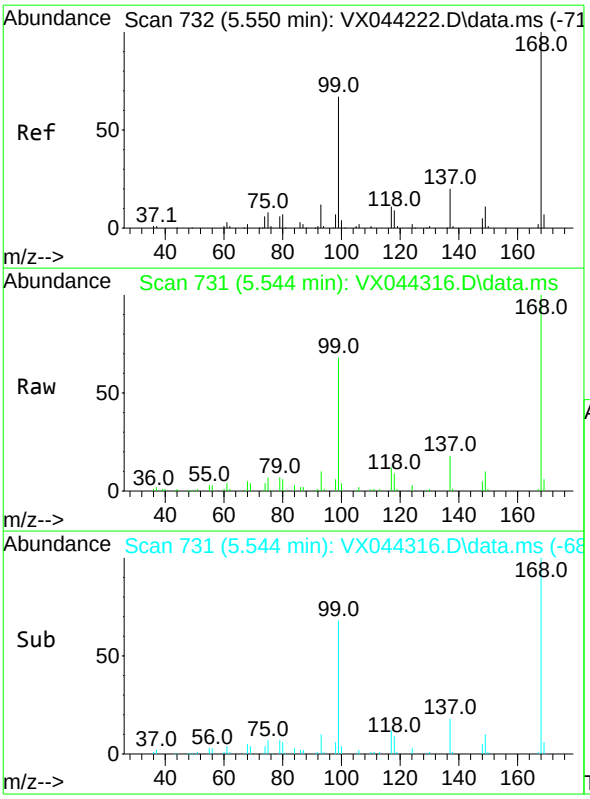
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044316.D
Acq On : 16 Dec 2024 12:15
Operator : JC/MD
Sample : P5288-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 17 00:47:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



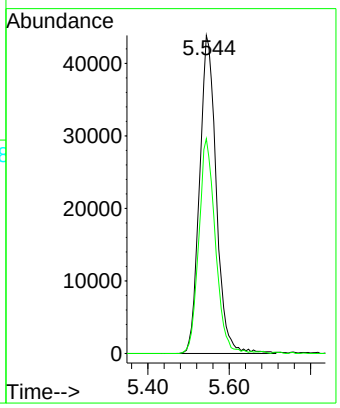


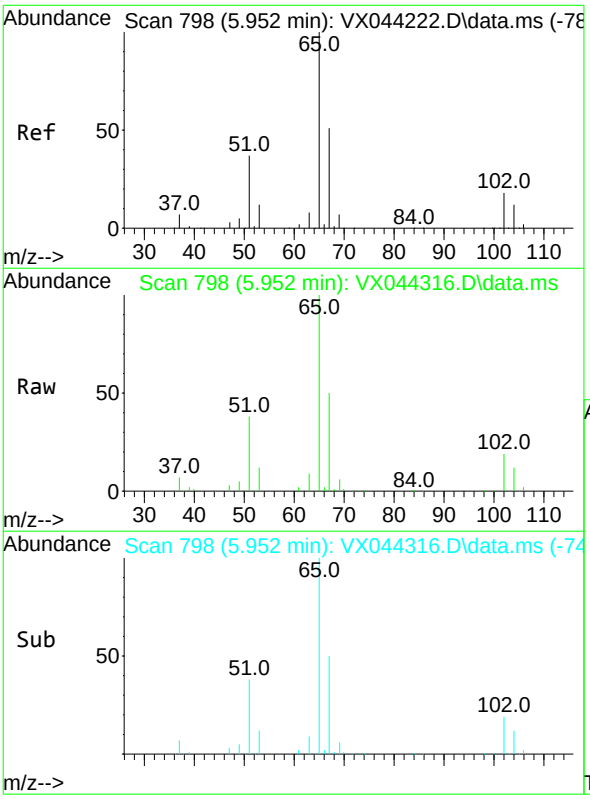
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

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

Tgt Ion:168 Resp: 125222

Ion	Ratio	Lower	Upper
168	100		
99	67.5	53.4	80.0

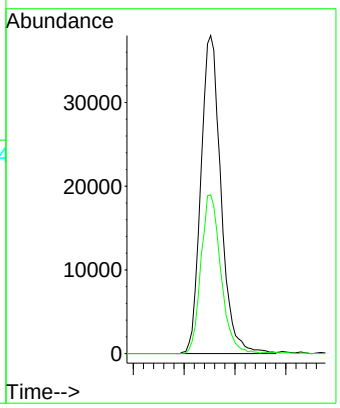


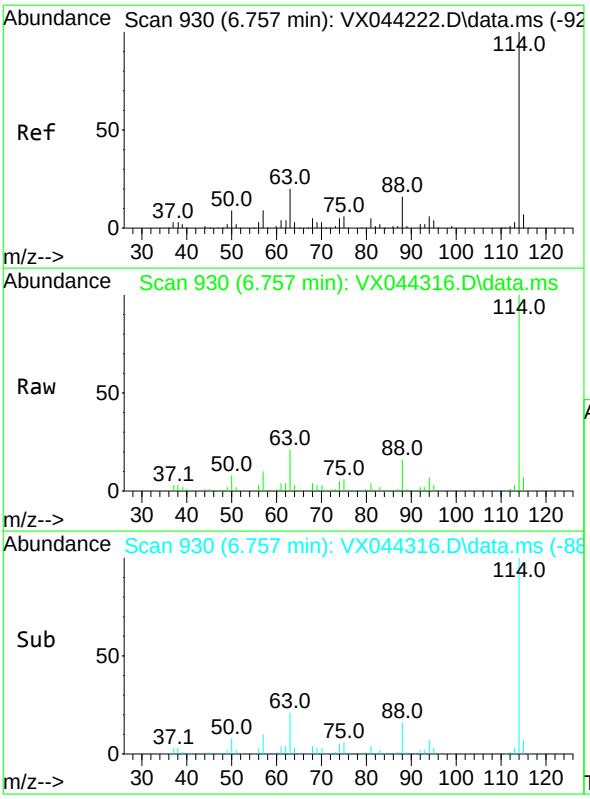


#33
1,2-Dichloroethane-d4
Concen: 47.406 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

Tgt Ion: 65 Resp: 104082

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	101.6



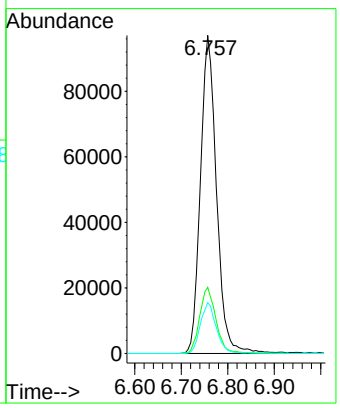


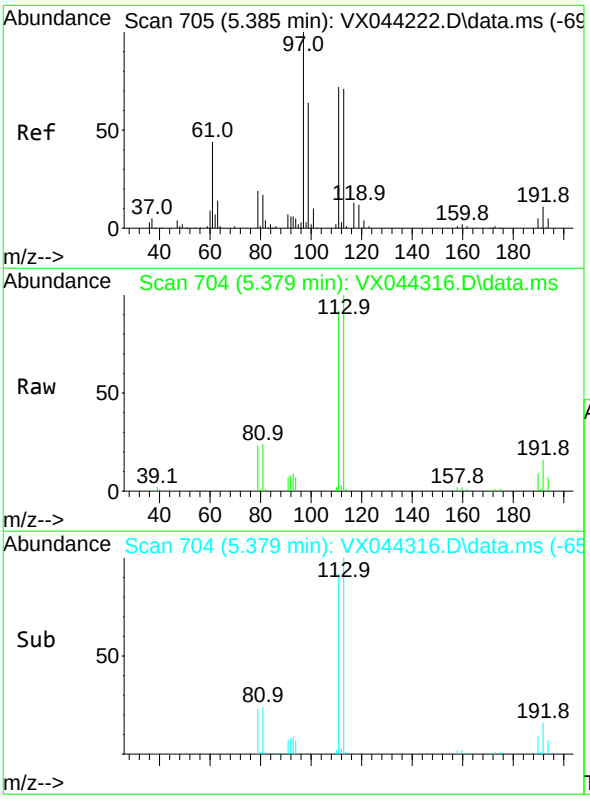
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

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

Tgt Ion:114 Resp: 233050

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.6
88	16.0	0.0	31.8

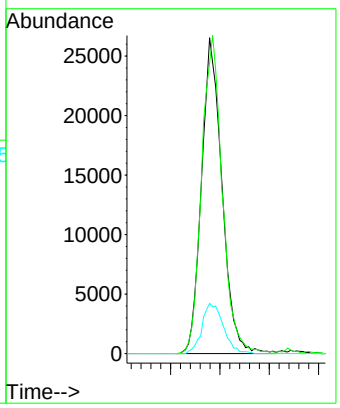


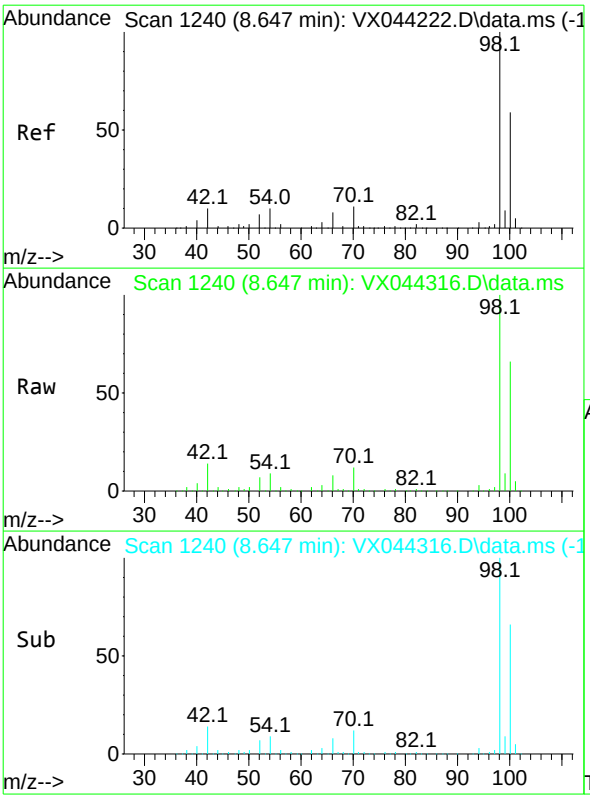


#35
Dibromofluoromethane
Concen: 47.385 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

Tgt Ion:113 Resp: 76483

Ion	Ratio	Lower	Upper
113	100		
111	101.5	80.4	120.6
192	16.7	13.3	19.9



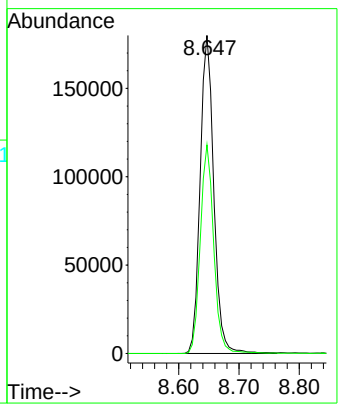


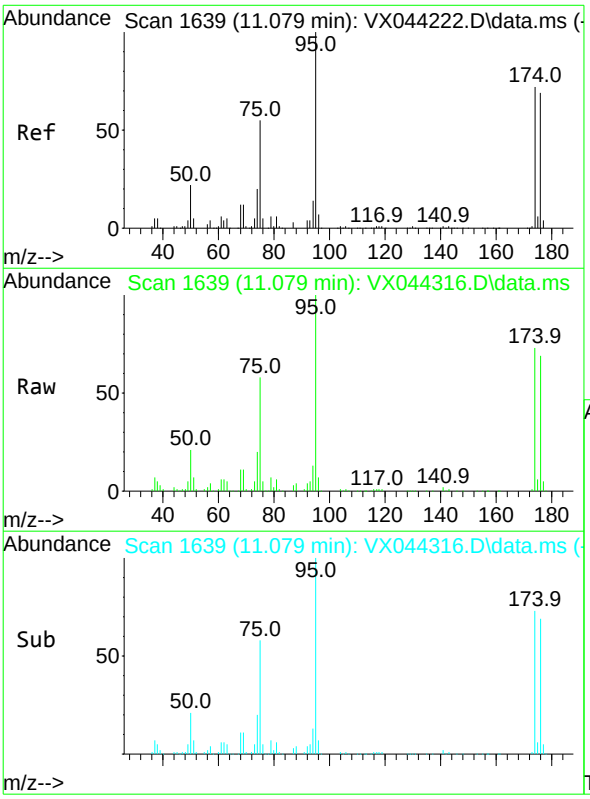
#50
Toluene-d8
Concen: 52.039 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

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

Tgt Ion: 98 Resp: 283377

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3

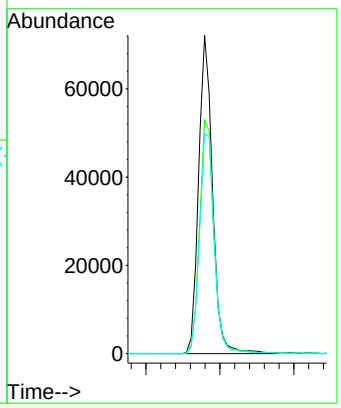


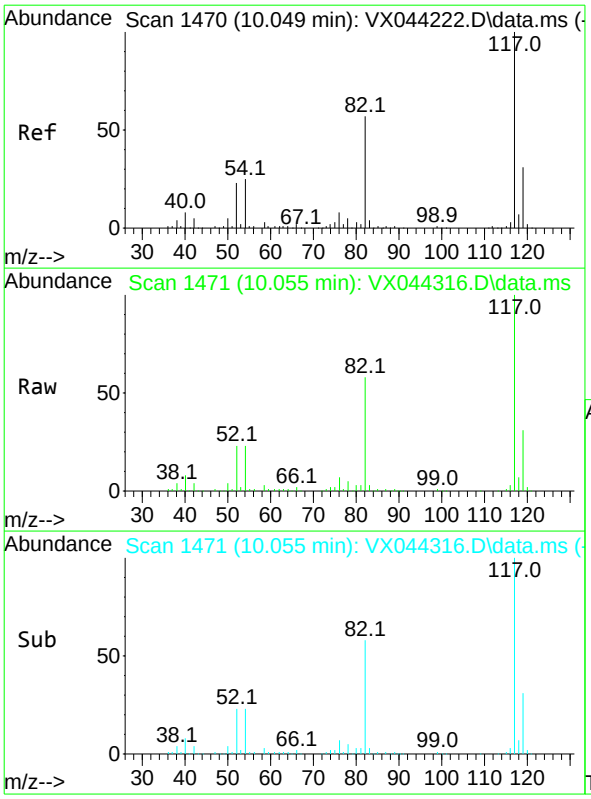


#62
4-Bromofluorobenzene
Concen: 49.698 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

Tgt Ion: 95 Resp: 94564

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.8
176	73.0	0.0	137.8



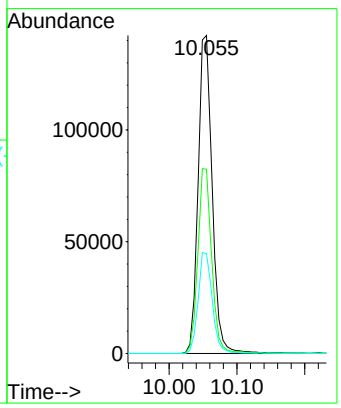


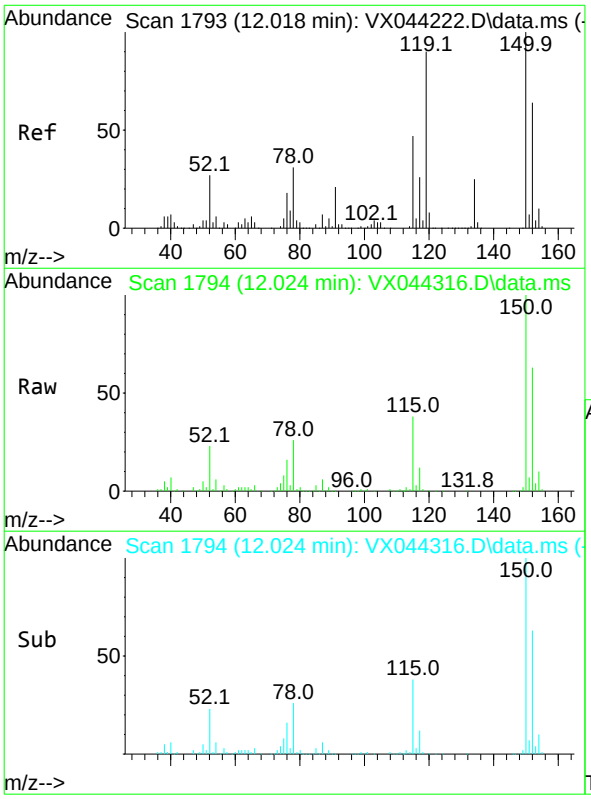
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

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

Tgt Ion:117 Resp: 204802

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.8	68.8
119	31.4	25.0	37.4

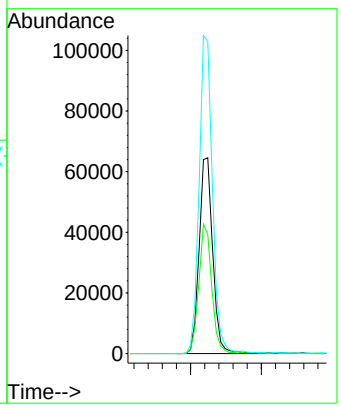




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX044316.D
Acq: 16 Dec 2024 12:15

Tgt Ion:152 Resp: 86519

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.5	133.3
150	159.2	0.0	353.8



Raw Data: **VX044317.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P5288
Lab Sample ID:	P5288-04	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
VX044317.D	1		12/16/24 12:38	VX121624

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

Raw Data: **VX044317.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P5288
Lab Sample ID:	P5288-04	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
VX044317.D	1		12/16/24 12:38	VX121624

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

Raw Data: **VX044317.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P5288
Lab Sample ID:	P5288-04	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
VX044317.D	1		12/16/24 12:38	VX121624

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	45.5		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.55			
540-36-3	1,4-Difluorobenzene	226000	6.757			
3114-55-4	Chlorobenzene-d5	197000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	79800	12.018			

Raw Data: **VX044317.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/13/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P5288
Lab Sample ID:	P5288-04	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
VX044317.D	1		12/16/24 12:38	VX121624

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\VX121624\
Data File : VX044317.D
Acq On : 16 Dec 2024 12:38
Operator : JC/MD
Sample : P5288-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 17 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	123978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	225986	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98854	45.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.960%			
35) Dibromofluoromethane	5.385	113	73000	46.641	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.280%			
50) Toluene-d8	8.647	98	272121	51.534	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	11.079	95	89144	48.314	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.620%			
Target Compounds						Qvalue

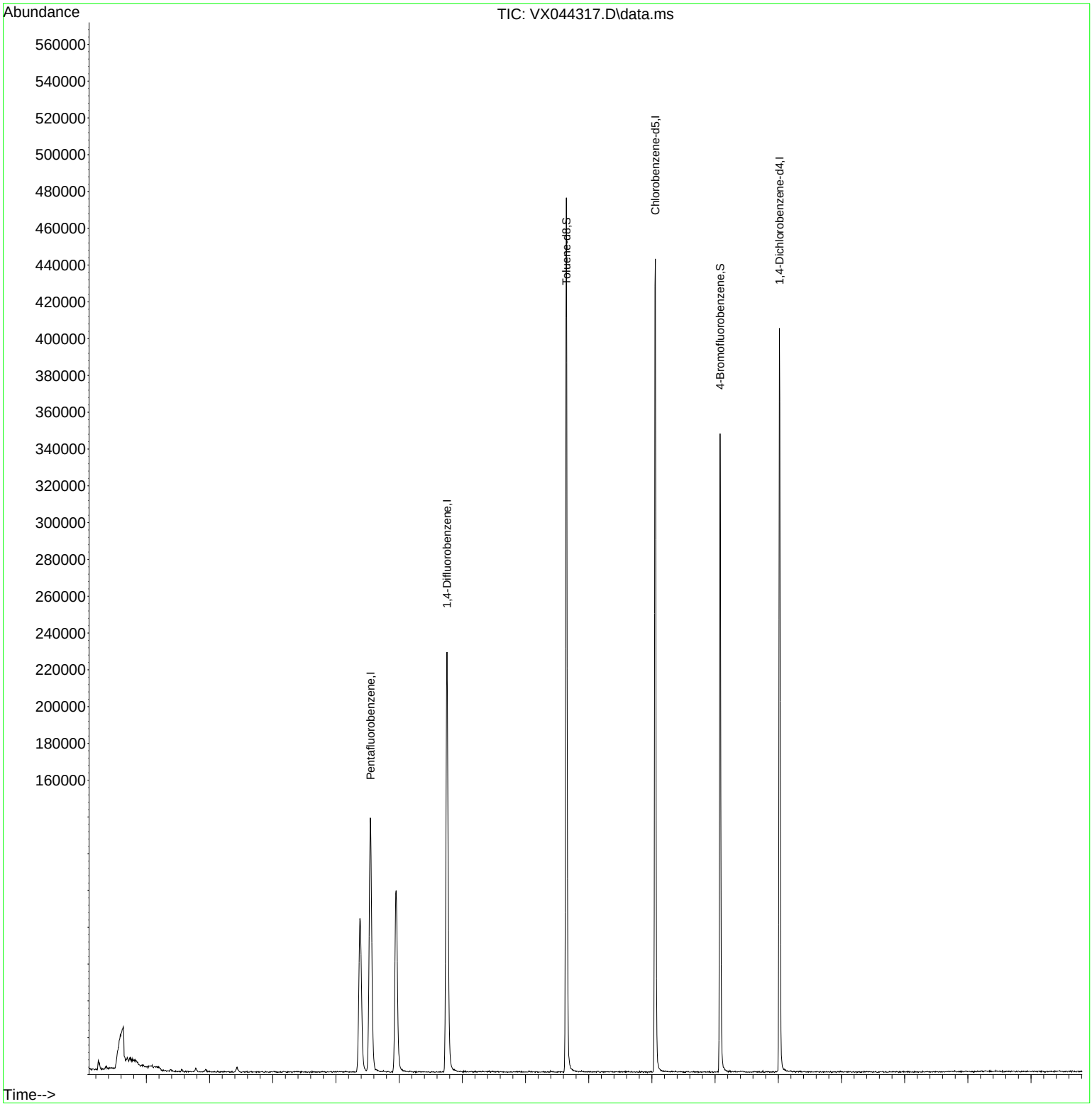
(#) = qualifier out of range (m) = manual integration (+) = signals summed

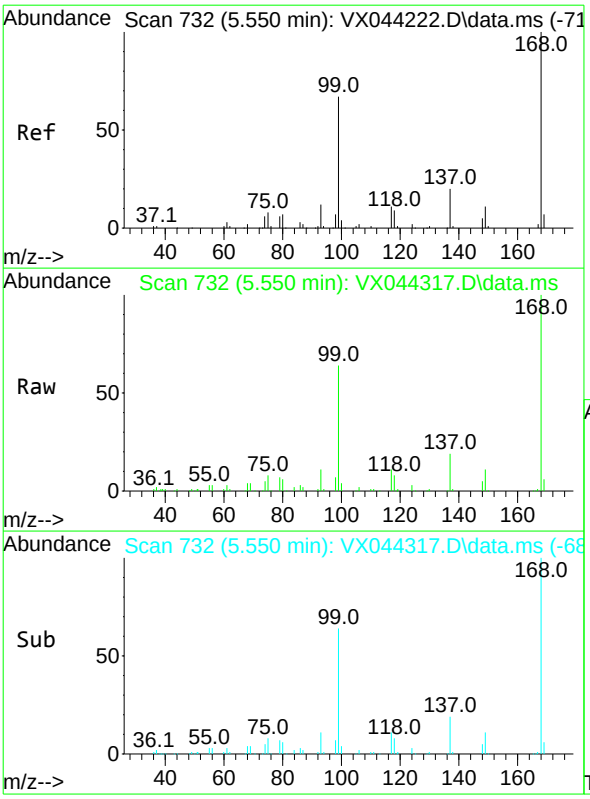
Sample Results: **VX044317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044317.D
Acq On : 16 Dec 2024 12:38
Operator : JC/MD
Sample : P5288-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 17 00:48:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



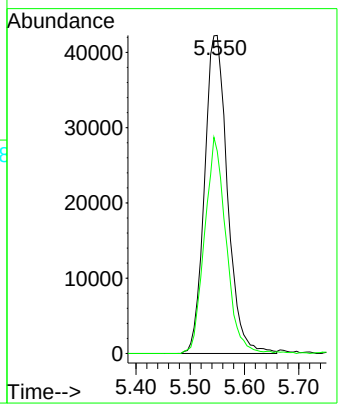


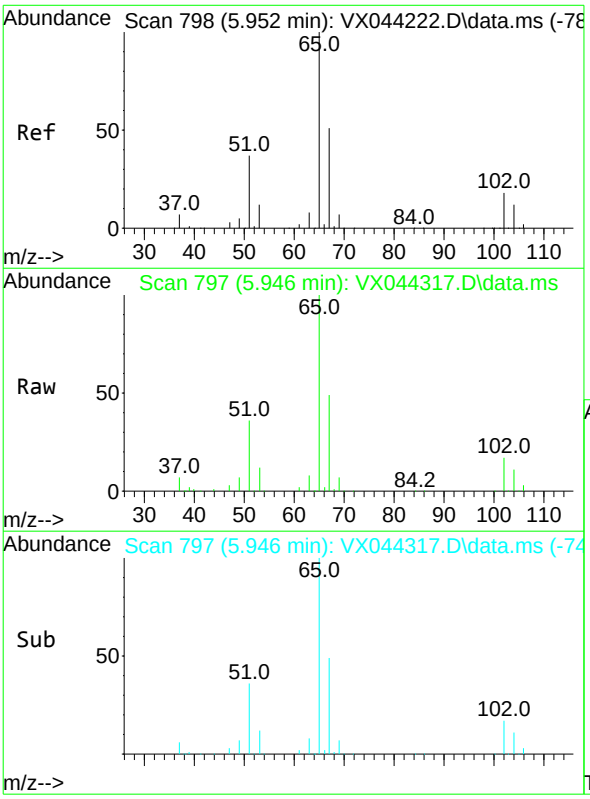
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

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

Tgt Ion:168 Resp: 123978

Ion	Ratio	Lower	Upper
168	100		
99	63.6	53.4	80.0

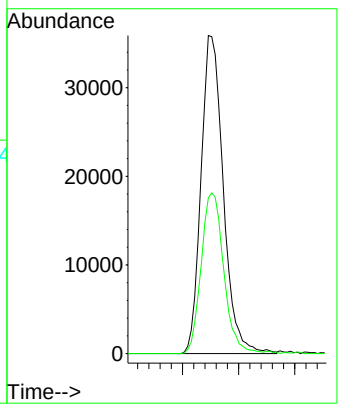


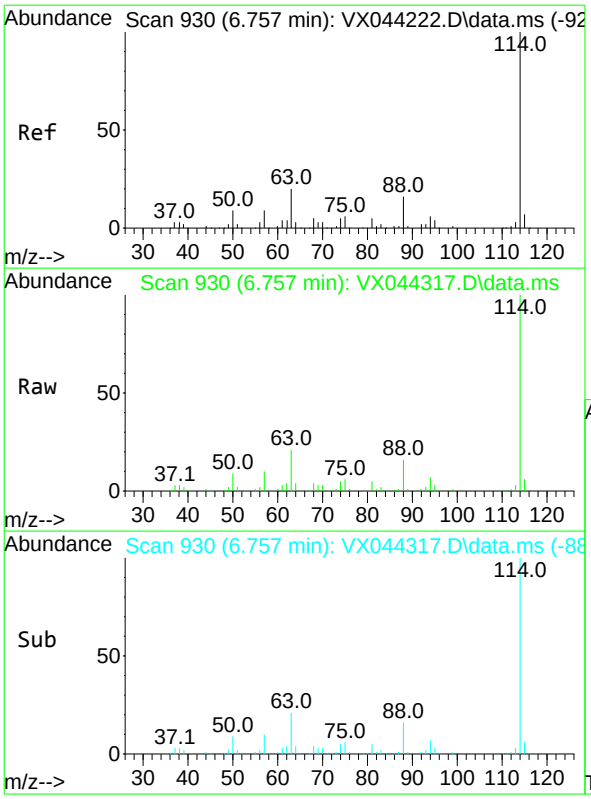


#33
1,2-Dichloroethane-d4
Concen: 45.476 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

Tgt Ion: 65 Resp: 98854

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.6



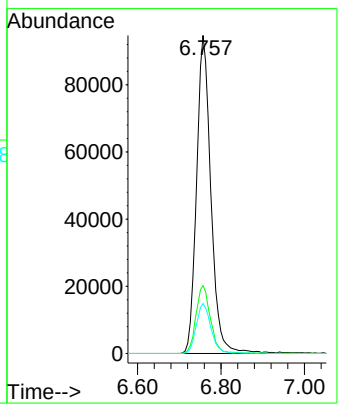


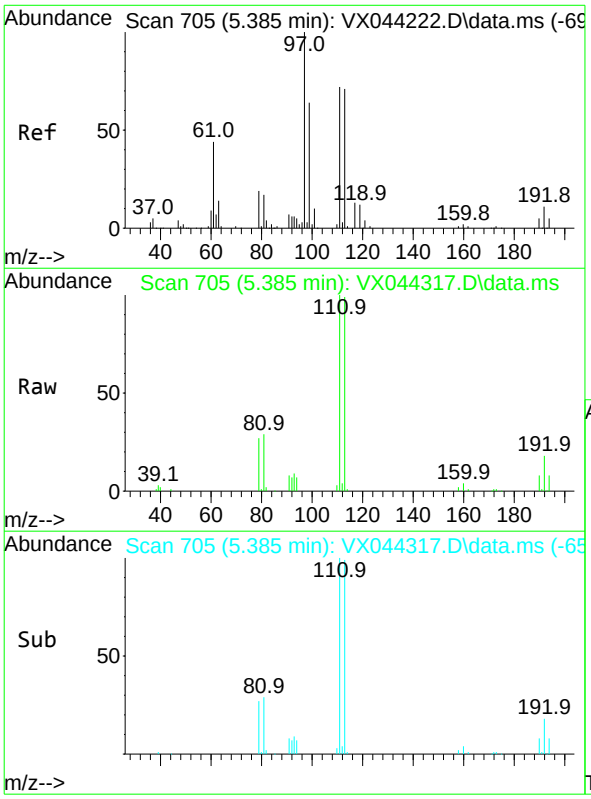
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

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

Tgt Ion:114 Resp: 225986

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	40.6
88	15.7	0.0	31.8

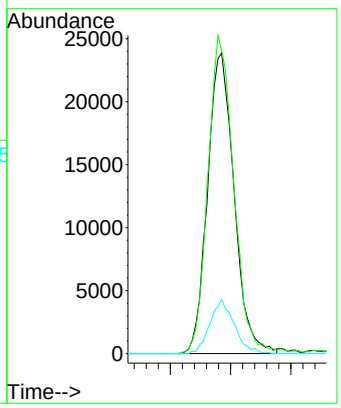


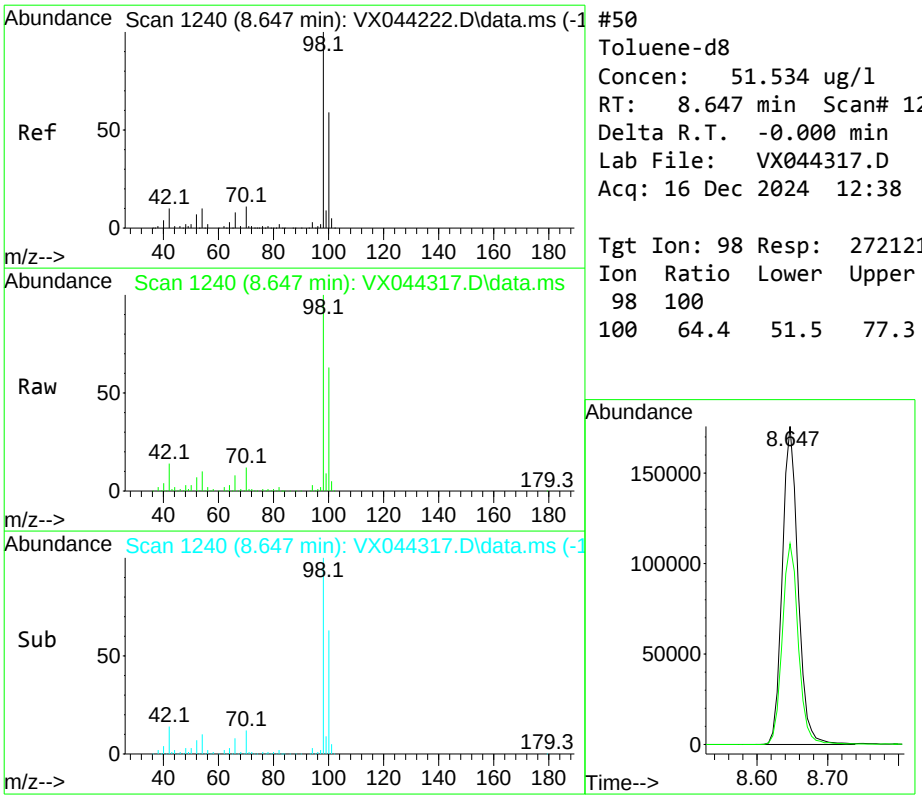


#35
Dibromofluoromethane
Concen: 46.641 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

Tgt Ion:113 Resp: 73000

Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.4	120.6
192	16.5	13.3	19.9



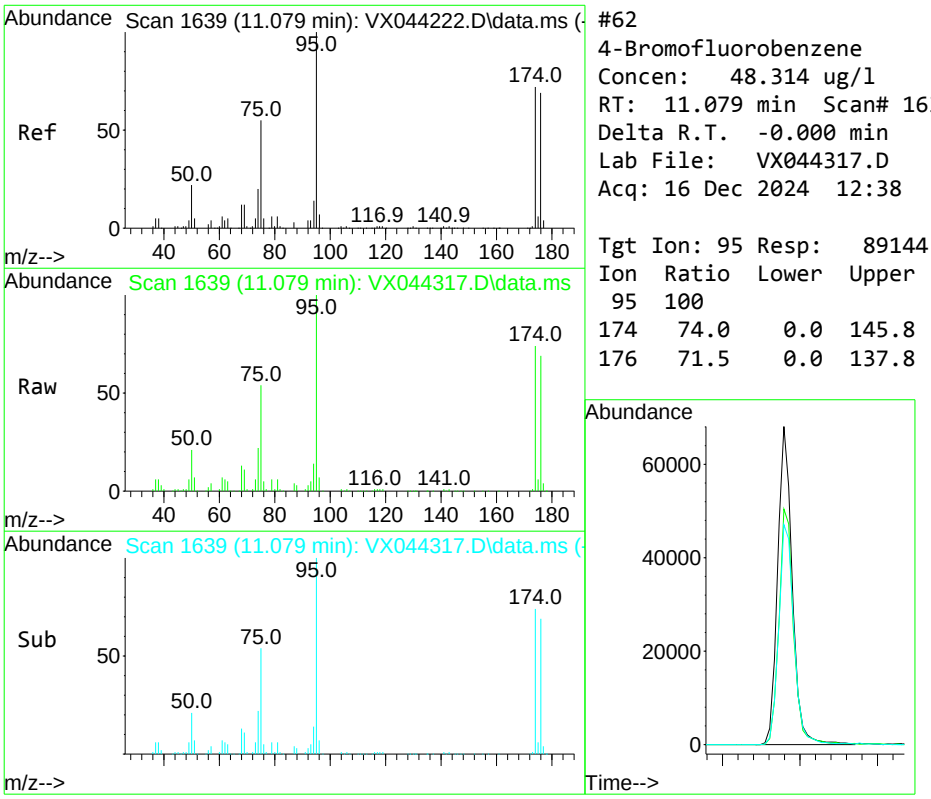


#50
Toluene-d8
Concen: 51.534 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

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

Tgt Ion: 98 Resp: 272121

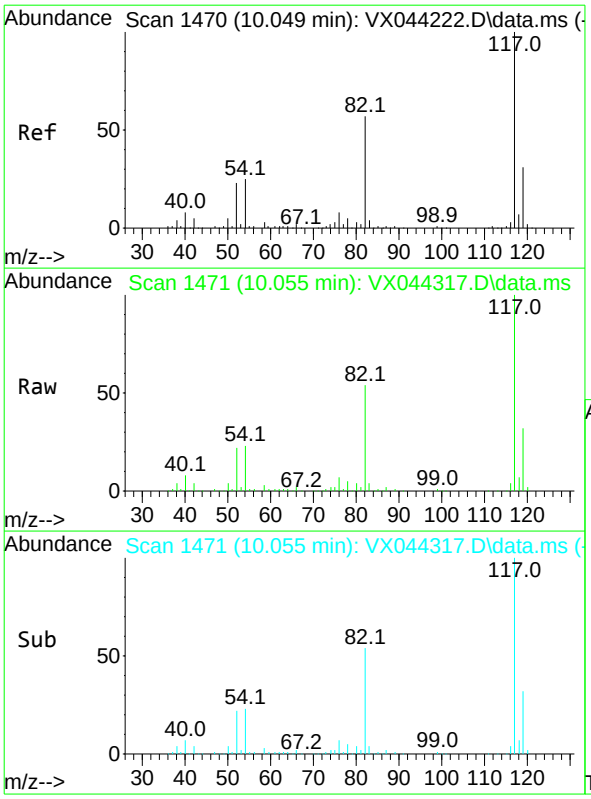
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3



#62
4-Bromofluorobenzene
Concen: 48.314 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

Tgt Ion: 95 Resp: 89144

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.8
176	71.5	0.0	137.8

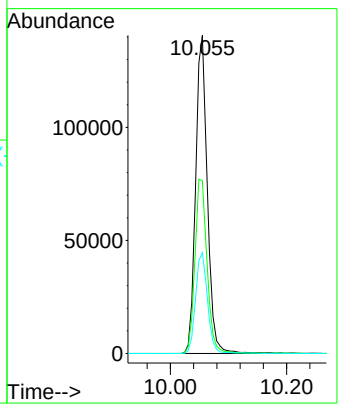


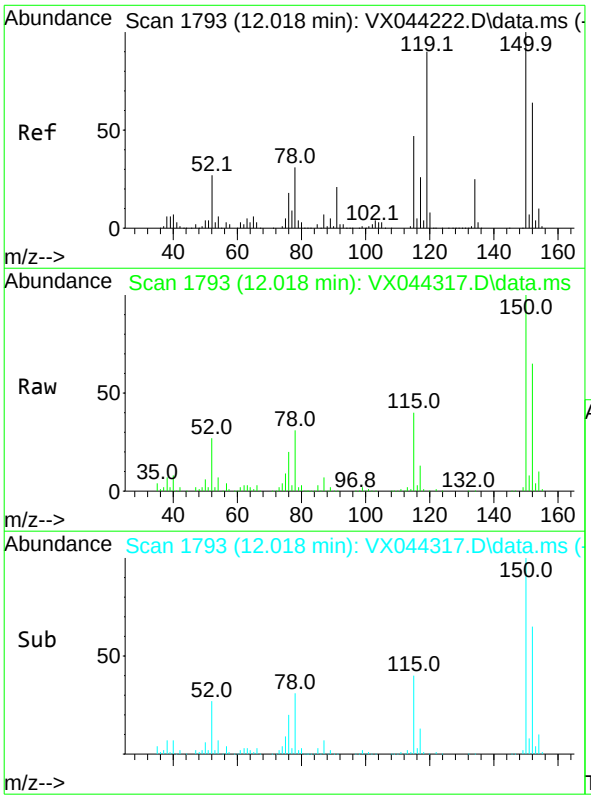
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

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

Tgt Ion:117 Resp: 196610

Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.8	68.8
119	31.7	25.0	37.4

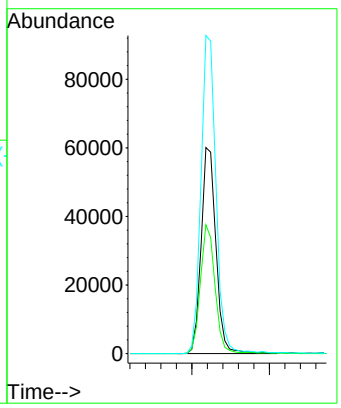




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044317.D
Acq: 16 Dec 2024 12:38

Tgt Ion:152 Resp: 79808

Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.5	133.3
150	156.2	0.0	353.8



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG No.: P5288

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

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

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.877	0.749	0.721	0.788	0.745	0.759	0.773	7.2
Chloromethane	0.743	0.747	0.735	0.756	0.715	0.740	0.739	1.8
Vinyl Chloride	0.805	0.790	0.782	0.786	0.722	0.737	0.770	4.3
Ethyl Acetate	0.536	0.512	0.551	0.581	0.565	0.574	0.553	4.7
Bromomethane		0.590	0.513	0.551	0.529	0.548	0.546	5.3
Chloroethane	0.464	0.520	0.515	0.532	0.422	0.426	0.480	10.2
Trichlorofluoromethane	1.582	1.519	1.514	1.541	1.478	1.414	1.508	3.8
1,1,2-Trichlorotrifluoroethane	0.633	0.628	0.592	0.615	0.573	0.620	0.610	3.8
Tert butyl alcohol		0.103	0.111	0.120	0.133	0.151	0.124	15.4
1,1-Dichloroethene	0.512	0.560	0.544	0.596	0.554	0.596	0.560	5.7
Acrolein		0.179	0.163	0.185	0.174	0.193	0.179	6.3
Acrylonitrile	0.319	0.333	0.332	0.358	0.343	0.367	0.342	5.2
Acetone	0.359	0.353	0.331	0.381	0.348	0.372	0.357	5
Carbon Disulfide	0.841	0.872	0.937	1.150	1.230	1.362	1.065	20
Methyl tert-butyl Ether	2.054	2.188	2.127	2.305	2.170	2.279	2.187	4.3
Methyl Acetate	0.965	0.889	0.883	0.953	0.888	0.951	0.922	4.2
Methylene Chloride	0.679	0.678	0.666	0.689	0.648	0.668	0.671	2.1
trans-1,2-Dichloroethene	0.600	0.556	0.577	0.619	0.595	0.626	0.596	4.4
Vinyl Acetate	1.238	1.571	1.732	1.912	1.842	1.958	1.709	15.7
1,1-Dichloroethane	1.071	1.173	1.154	1.244	1.171	1.218	1.172	5.1
Cyclohexane		0.931	0.963	0.977	0.922	0.938	0.946	2.4
2-Butanone	0.449	0.491	0.510	0.548	0.509	0.541	0.508	7.1
Carbon Tetrachloride	0.484	0.443	0.432	0.501	0.502	0.529	0.482	7.8
2,2-Dichloropropane	0.782	0.896	0.956	1.045	0.992	1.039	0.952	10.5
cis-1,2-Dichloroethene	0.809	0.737	0.728	0.772	0.731	0.762	0.756	4.1
Bromochloromethane	0.578	0.577	0.576	0.592	0.556	0.568	0.575	2.1
Chloroform	1.389	1.312	1.272	1.343	1.272	1.310	1.316	3.4
1,1,1-Trichloroethane	0.993	1.019	1.077	1.176	1.119	1.173	1.093	7.1
Methylcyclohexane	0.514	0.503	0.527	0.555	0.550	0.562	0.535	4.5
1,1-Dichloropropene	0.489	0.442	0.422	0.444	0.445	0.444	0.448	4.9

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG No.: P5288

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

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

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Benzene	1.353	1.353	1.332	1.410	1.353	1.353	1.359	1.9
1,2-Dichloroethane	0.554	0.557	0.545	0.584	0.556	0.564	0.560	2.4
Trichloroethene	0.356	0.325	0.325	0.349	0.337	0.342	0.339	3.8
1,2-Dichloropropane	0.368	0.345	0.330	0.357	0.341	0.342	0.347	3.8
Dibromomethane	0.247	0.267	0.259	0.286	0.276	0.281	0.269	5.5
Bromodichloromethane	0.380	0.411	0.436	0.508	0.518	0.538	0.465	13.9
4-Methyl-2-Pentanone	0.506	0.551	0.547	0.590	0.561	0.582	0.556	5.4
Toluene	0.908	0.830	0.816	0.877	0.841	0.849	0.853	4
t-1,3-Dichloropropene	0.338	0.357	0.439	0.514	0.526	0.558	0.455	20.3
cis-1,3-Dichloropropene	0.404	0.441	0.488	0.567	0.558	0.583	0.507	14.6
1,1,2-Trichloroethane	0.337	0.332	0.335	0.358	0.334	0.340	0.339	2.8
1,3-Dichloropropane	0.578	0.593	0.585	0.613	0.583	0.590	0.590	2.1
2-Chloroethyl Vinyl ether	0.222	0.268	0.256	0.293	0.285	0.296	0.270	10.5
2-Hexanone	0.323	0.386	0.408	0.439	0.420	0.438	0.403	10.8
Dibromochloromethane	0.254	0.248	0.306	0.370	0.378	0.398	0.326	20.2
1,2-Dibromoethane	0.303	0.322	0.344	0.369	0.364	0.370	0.345	8.1
Tetrachloroethene	0.359	0.354	0.317	0.321	0.312	0.327	0.332	6
Chlorobenzene	1.130	1.068	1.039	1.088	1.036	1.067	1.071	3.3
1,1,1,2-Tetrachloroethane	0.301	0.305	0.334	0.375	0.368	0.383	0.344	10.5
Hexachloroethane	0.358	0.396	0.406	0.507	0.542	0.567	0.463	18.9
Ethyl Benzene	1.853	1.806	1.816	1.927	1.831	1.875	1.851	2.4
m/p-Xylenes	0.653	0.660	0.665	0.707	0.683	0.707	0.679	3.5
o-Xylene	0.686	0.683	0.685	0.703	0.671	0.697	0.687	1.6
Styrene	1.007	1.019	1.099	1.162	1.148	1.177	1.102	6.7
Bromoform	0.137	0.173	0.194	0.247	0.269	0.297	0.219	28
Isopropylbenzene	3.665	3.976	3.920	3.912	3.747	3.747	3.828	3.2
1,1,2,2-Tetrachloroethane	1.410	1.350	1.332	1.336	1.256	1.293	1.329	3.9
1,2,3-Trichloropropane	1.272	1.075	1.113	1.124	1.059	1.055	1.116	7.3
Bromobenzene	1.009	0.934	0.890	0.942	0.899	0.895	0.928	4.9
n-propylbenzene	3.739	4.263	4.319	4.502	4.283	4.277	4.231	6.1

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG No.: P5288

Instrument ID: MSVOA_X Calibration Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:41 13:00

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

LAB FILE ID: RRF001 = VX044219.D RRF005 = VX044220.D RRF020 = VX044221.D
RRF050 = VX044222.D RRF100 = VX044223.D RRF150 = VX044224.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Chlorotoluene	2.940	2.847	2.707	2.771	2.582	2.569	2.736	5.4
1,3,5-Trimethylbenzene	3.066	3.222	3.224	3.308	3.097	3.128	3.174	2.9
4-Chlorotoluene	2.964	3.051	3.013	3.114	3.011	3.026	3.030	1.7
tert-Butylbenzene	3.170	3.077	3.105	3.259	3.106	3.106	3.137	2.1
1,2,4-Trimethylbenzene	2.699	3.254	3.207	3.290	3.148	3.105	3.117	6.9
sec-Butylbenzene	3.679	3.748	3.840	3.986	3.804	3.793	3.808	2.7
p-Isopropyltoluene	2.949	3.061	3.254	3.347	3.197	3.211	3.170	4.5
1,3-Dichlorobenzene	1.519	1.634	1.640	1.683	1.625	1.628	1.621	3.3
1,4-Dichlorobenzene	1.811	1.640	1.632	1.672	1.621	1.623	1.667	4.4
n-Butylbenzene	2.249	2.387	2.659	2.844	2.889	2.964	2.665	10.9
1,2-Dichlorobenzene	1.745	1.666	1.668	1.726	1.654	1.643	1.684	2.5
1,2-Dibromo-3-Chloropropane	0.222	0.226	0.241	0.273	0.279	0.306	0.258	13
1,2,4-Trichlorobenzene	0.770	0.827	0.891	0.978	1.013	1.058	0.923	12.2
Hexachlorobutadiene	0.390	0.349	0.367	0.369	0.371	0.381	0.371	3.8
Naphthalene	2.925	3.346	3.629	3.835	3.866	4.015	3.603	11.2
1,2,3-Trichlorobenzene	0.854	0.885	0.984	1.019	1.055	1.077	0.979	9.3
1,2-Dichloroethane-d4		0.934	0.778	0.921	0.862	0.888	0.877	7.1
Dibromofluoromethane		0.353	0.298	0.367	0.360	0.354	0.346	8
Toluene-d8		1.148	1.010	1.251	1.229	1.203	1.168	8.3
4-Bromofluorobenzene		0.390	0.351	0.442	0.432	0.426	0.408	9.2

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

Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 2024
Response Via : Initial Calibration

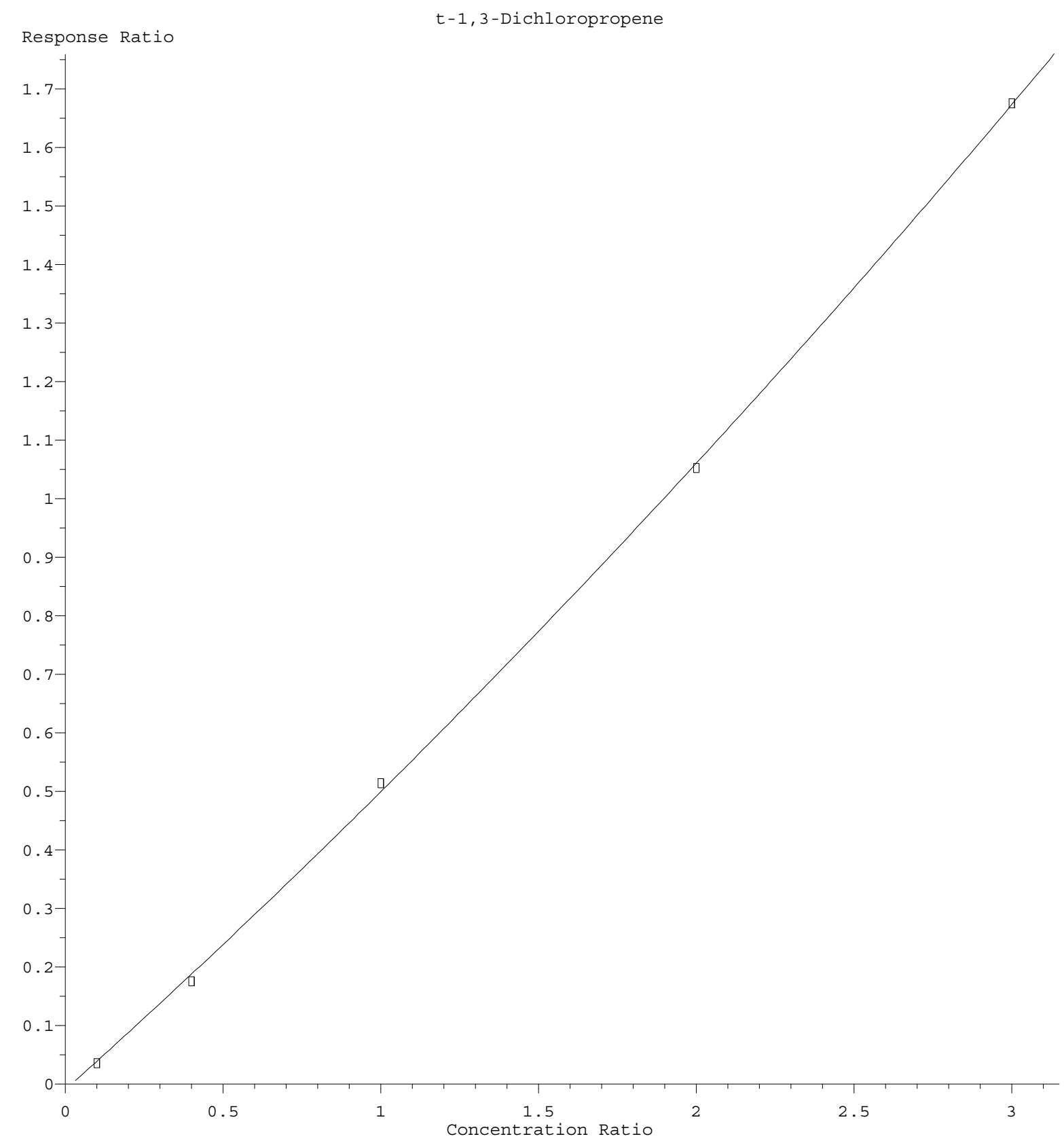
Calibration Files
1 =VX044219.D 5 =VX044220.D 20 =VX044221.D 50 =VX044222.D 100 =VX044223.D 150 =VX044224.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.877	0.749	0.721	0.788	0.745	0.759	0.773	7.19
3)	P	Chloromethane	0.743	0.747	0.735	0.756	0.715	0.740	0.739	1.83
4)	C	Vinyl Chloride	0.805	0.790	0.782	0.786	0.722	0.737	0.770	4.31#
5)	T	Bromomethane		0.590	0.513	0.551	0.529	0.548	0.546	5.26
6)	T	Chloroethane	0.464	0.520	0.515	0.532	0.422	0.426	0.480	10.21
7)	T	Trichlorofluor...	1.582	1.519	1.514	1.541	1.478	1.414	1.508	3.80
8)	T	Diethyl Ether	0.582	0.516	0.481	0.513	0.477	0.520	0.515	7.30
9)	T	1,1,2-Trichlor...	0.633	0.628	0.592	0.615	0.573	0.620	0.610	3.76
10)	T	Methyl Iodide		0.793	0.796	0.847	0.782	0.803	0.804	3.13
11)	T	Tert butyl alc...		0.103	0.111	0.120	0.133	0.151	0.124	15.38
12)	CM	1,1-Dichloroet...	0.512	0.560	0.544	0.596	0.554	0.596	0.560	5.74#
13)	T	Acrolein		0.179	0.163	0.185	0.174	0.193	0.179	6.28
14)	T	Allyl chloride	0.899	0.895	0.878	1.010	0.940	0.980	0.933	5.63
15)	T	Acrylonitrile	0.319	0.333	0.332	0.358	0.343	0.367	0.342	5.25
16)	T	Acetone	0.359	0.353	0.331	0.381	0.348	0.372	0.357	4.99
17)	T	Carbon Disulfide	0.841	0.872	0.937	1.150	1.230	1.362	1.065	19.98
18)	T	Methyl Acetate	0.965	0.889	0.883	0.953	0.888	0.951	0.922	4.17
19)	T	Methyl tert-bu...	2.054	2.188	2.127	2.305	2.170	2.279	2.187	4.28
20)	T	Methylene Chlo...	0.679	0.678	0.666	0.689	0.648	0.668	0.671	2.12
21)	T	trans-1,2-Dich...	0.600	0.556	0.577	0.619	0.595	0.626	0.596	4.37
22)	T	Diisopropyl ether	2.040	2.114	2.092	2.172	2.070	2.123	2.102	2.17
23)	T	Vinyl Acetate	1.238	1.571	1.732	1.912	1.842	1.958	1.709	15.75
24)	P	1,1-Dichloroet...	1.071	1.173	1.154	1.244	1.171	1.218	1.172	5.10
25)	T	2-Butanone	0.449	0.491	0.510	0.548	0.509	0.541	0.508	7.08
26)	T	2,2-Dichloropr...	0.782	0.896	0.956	1.045	0.992	1.039	0.952	10.50
27)	T	cis-1,2-Dichlo...	0.809	0.737	0.728	0.772	0.731	0.762	0.756	4.11
28)	T	Bromochloromet...	0.578	0.577	0.576	0.592	0.556	0.568	0.575	2.07
29)	T	Tetrahydrofuran	0.293	0.348	0.321	0.337	0.317	0.340	0.326	6.17
30)	C	Chloroform	1.389	1.312	1.272	1.343	1.272	1.310	1.316	3.39#
31)	T	Cyclohexane		0.931	0.963	0.977	0.922	0.938	0.946	2.44
32)	T	1,1,1-Trichlor...	0.993	1.019	1.077	1.176	1.119	1.173	1.093	7.06
33)	S	1,2-Dichloroet...		0.934	0.778	0.921	0.862	0.888	0.877	7.09
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.298	0.367	0.360	0.354	0.346	7.95
36)	T	1,1-Dichloropr...	0.489	0.442	0.422	0.444	0.445	0.444	0.448	4.92
37)	T	Ethyl Acetate	0.536	0.512	0.551	0.581	0.565	0.574	0.553	4.68
38)	T	Carbon Tetrach...	0.484	0.443	0.432	0.501	0.502	0.529	0.482	7.77
39)	T	Methylcyclohexane	0.514	0.503	0.527	0.555	0.550	0.562	0.535	4.52
40)	TM	Benzene	1.353	1.353	1.332	1.410	1.353	1.353	1.359	1.93
41)	T	Methacrylonitrile	0.285	0.293	0.281	0.302	0.298	0.305	0.294	3.21
42)	TM	1,2-Dichloroet...	0.554	0.557	0.545	0.584	0.556	0.564	0.560	2.37
43)	T	Isopropyl Acetate	0.736	0.854	0.835	0.916	0.908	0.941	0.865	8.62
44)	TM	Trichloroethene	0.356	0.325	0.324	0.349	0.337	0.342	0.339	3.79
45)	C	1,2-Dichloropr...	0.368	0.345	0.330	0.357	0.341	0.342	0.347	3.81#
46)	T	Dibromomethane	0.247	0.267	0.259	0.286	0.276	0.281	0.269	5.53
47)	T	Bromodichlorom...	0.380	0.411	0.436	0.508	0.518	0.538	0.465	13.95
48)	T	Methyl methacr...	0.427	0.370	0.399	0.444	0.431	0.447	0.420	7.03
49)	T	1,4-Dioxane	0.005	0.007	0.007	0.008	0.008	0.008	0.007	15.81
50)	S	Toluene-d8		1.148	1.010	1.251	1.229	1.203	1.168	8.27
51)	T	4-Methyl-2-Pen...	0.506	0.551	0.547	0.590	0.561	0.582	0.556	5.37
52)	CM	Toluene	0.908	0.830	0.816	0.877	0.841	0.849	0.853	3.96#
53)	T	t-1,3-Dichloro...	0.338	0.357	0.439	0.514	0.526	0.558	0.455	20.32
54)	T	cis-1,3-Dichlo...	0.404	0.441	0.488	0.567	0.558	0.583	0.507	14.59
55)	T	1,1,2-Trichlor...	0.337	0.332	0.335	0.358	0.334	0.340	0.339	2.79

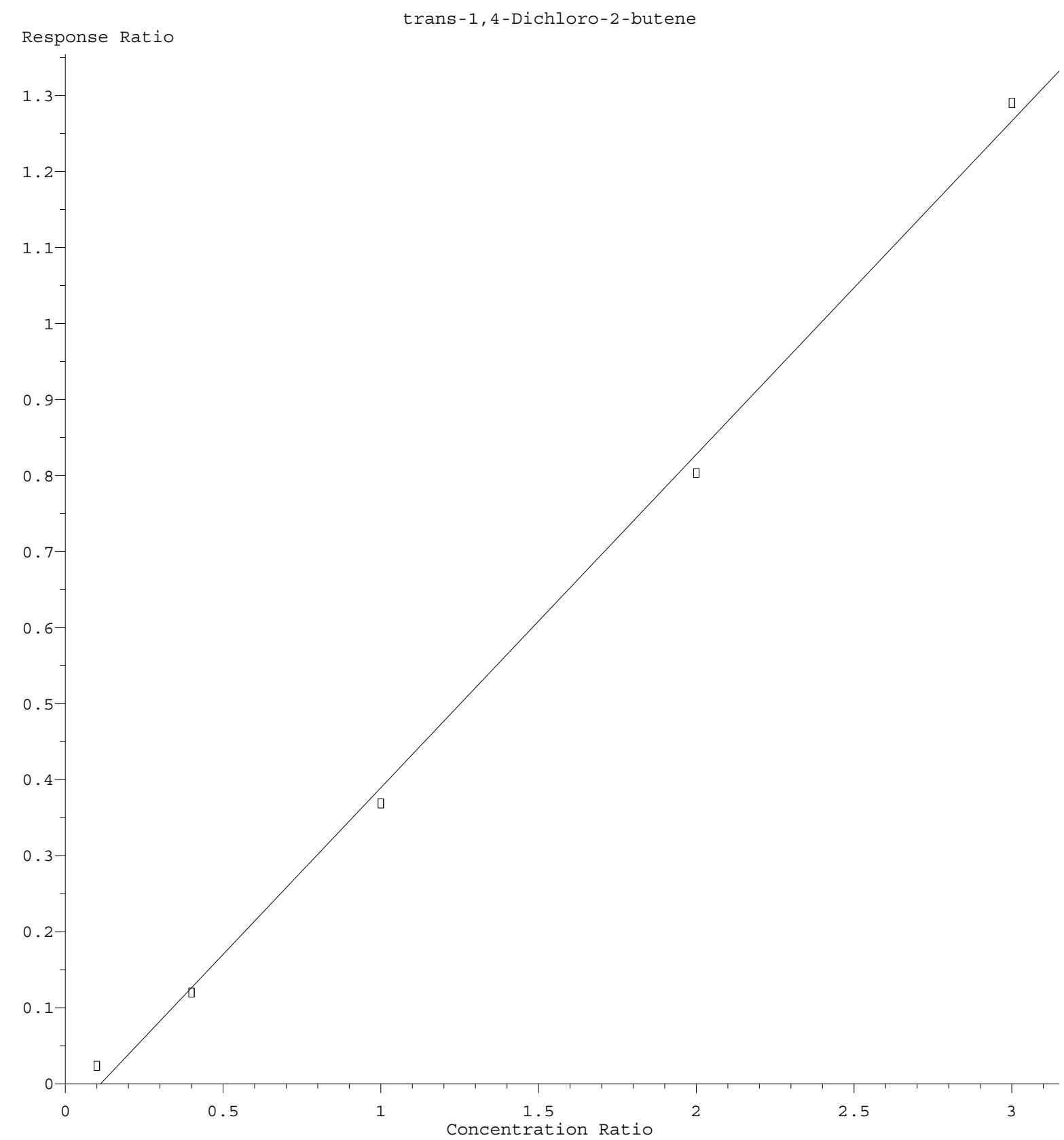
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X121124W.M

56)	T	Ethyl methacry...	0.491	0.458	0.517	0.577	0.575	0.593	0.535	10.23
57)	T	1,3-Dichloropr...	0.578	0.593	0.585	0.613	0.583	0.590	0.590	2.09
58)	T	2-Chloroethyl ...	0.222	0.268	0.256	0.293	0.285	0.296	0.270	10.47
59)	T	2-Hexanone	0.323	0.386	0.408	0.439	0.420	0.438	0.403	10.82
60)	T	Dibromochlorom...	0.254	0.248	0.306	0.370	0.378	0.398	0.326	20.17
61)	T	1,2-Dibromoethane	0.303	0.322	0.344	0.369	0.364	0.370	0.345	8.06
62)	S	4-Bromofluorob...		0.390	0.351	0.442	0.432	0.426	0.408	9.23
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.359	0.354	0.317	0.321	0.312	0.327	0.332	5.96
65)	PM	Chlorobenzene	1.130	1.068	1.039	1.088	1.036	1.067	1.071	3.27
66)	T	1,1,1,2-Tetrac...	0.301	0.305	0.334	0.375	0.368	0.383	0.344	10.47
67)	C	Ethyl Benzene	1.853	1.806	1.816	1.927	1.831	1.875	1.851	2.42#
68)	T	m/p-Xylenes	0.653	0.660	0.665	0.707	0.683	0.707	0.679	3.50
69)	T	o-Xylene	0.686	0.683	0.685	0.703	0.671	0.697	0.687	1.64
70)	T	Styrene	1.007	1.019	1.099	1.162	1.148	1.177	1.102	6.70
71)	P	Bromoform	0.137	0.173	0.194	0.247	0.269	0.297	0.219	28.02
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.665	3.976	3.920	3.912	3.747	3.747	3.828	3.25
74)	T	N-amyl acetate	1.435	1.620	1.773	1.916	1.901	1.967	1.769	11.64
75)	P	1,1,2,2-Tetrac...	1.410	1.350	1.332	1.336	1.256	1.293	1.329	3.93
76)	T	1,2,3-Trichlor...	1.272	1.075	1.113	1.124	1.059	1.055	1.116	7.30
77)	T	Bromobenzene	1.009	0.934	0.890	0.942	0.899	0.895	0.928	4.87
78)	T	n-propylbenzene	3.739	4.263	4.319	4.502	4.283	4.277	4.231	6.06
79)	T	2-Chlorotoluene	2.940	2.847	2.707	2.771	2.582	2.569	2.736	5.36
80)	T	1,3,5-Trimethy...	3.066	3.222	3.224	3.308	3.097	3.128	3.174	2.90
81)	T	trans-1,4-Dich...		0.236	0.300	0.369	0.402	0.430	0.347	22.67
82)	T	4-Chlorotoluene	2.964	3.051	3.013	3.114	3.011	3.026	3.030	1.65
83)	T	tert-Butylbenzene	3.170	3.077	3.105	3.259	3.106	3.106	3.137	2.14
84)	T	1,2,4-Trimethy...	2.699	3.254	3.207	3.290	3.148	3.105	3.117	6.92
85)	T	sec-Butylbenzene	3.679	3.748	3.840	3.986	3.804	3.793	3.808	2.70
86)	T	p-Isopropyltol...	2.949	3.061	3.254	3.347	3.197	3.211	3.170	4.49
87)	T	1,3-Dichlorobe...	1.519	1.634	1.640	1.683	1.625	1.628	1.621	3.35
88)	T	1,4-Dichlorobe...	1.811	1.640	1.632	1.672	1.621	1.623	1.667	4.39
89)	T	n-Butylbenzene	2.249	2.387	2.659	2.844	2.889	2.964	2.665	10.90
90)	T	Hexachloroethane	0.358	0.396	0.406	0.507	0.542	0.567	0.463	18.85
91)	T	1,2-Dichlorobe...	1.745	1.666	1.668	1.726	1.654	1.643	1.683	2.46
92)	T	1,2-Dibromo-3-...	0.222	0.226	0.241	0.273	0.279	0.306	0.258	13.01
93)	T	1,2,4-Trichlor...	0.770	0.827	0.891	0.978	1.013	1.058	0.923	12.16
94)	T	Hexachlorobuta...	0.390	0.349	0.367	0.369	0.371	0.381	0.371	3.75
95)	T	Naphthalene	2.925	3.346	3.629	3.835	3.866	4.015	3.603	11.24
96)	T	1,2,3-Trichlor...	0.854	0.885	0.984	1.019	1.055	1.077	0.979	9.30

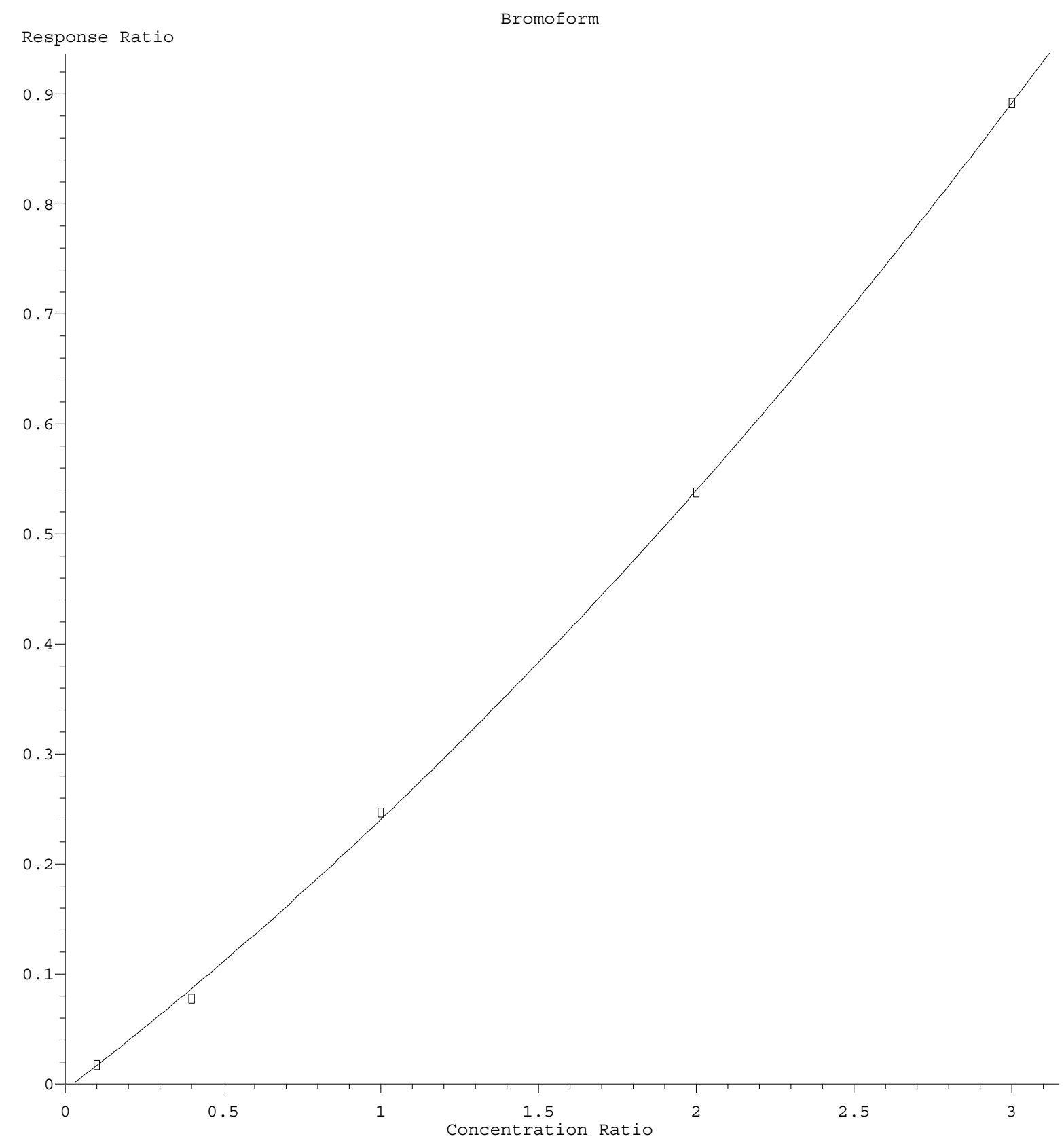
(#) = Out of Range



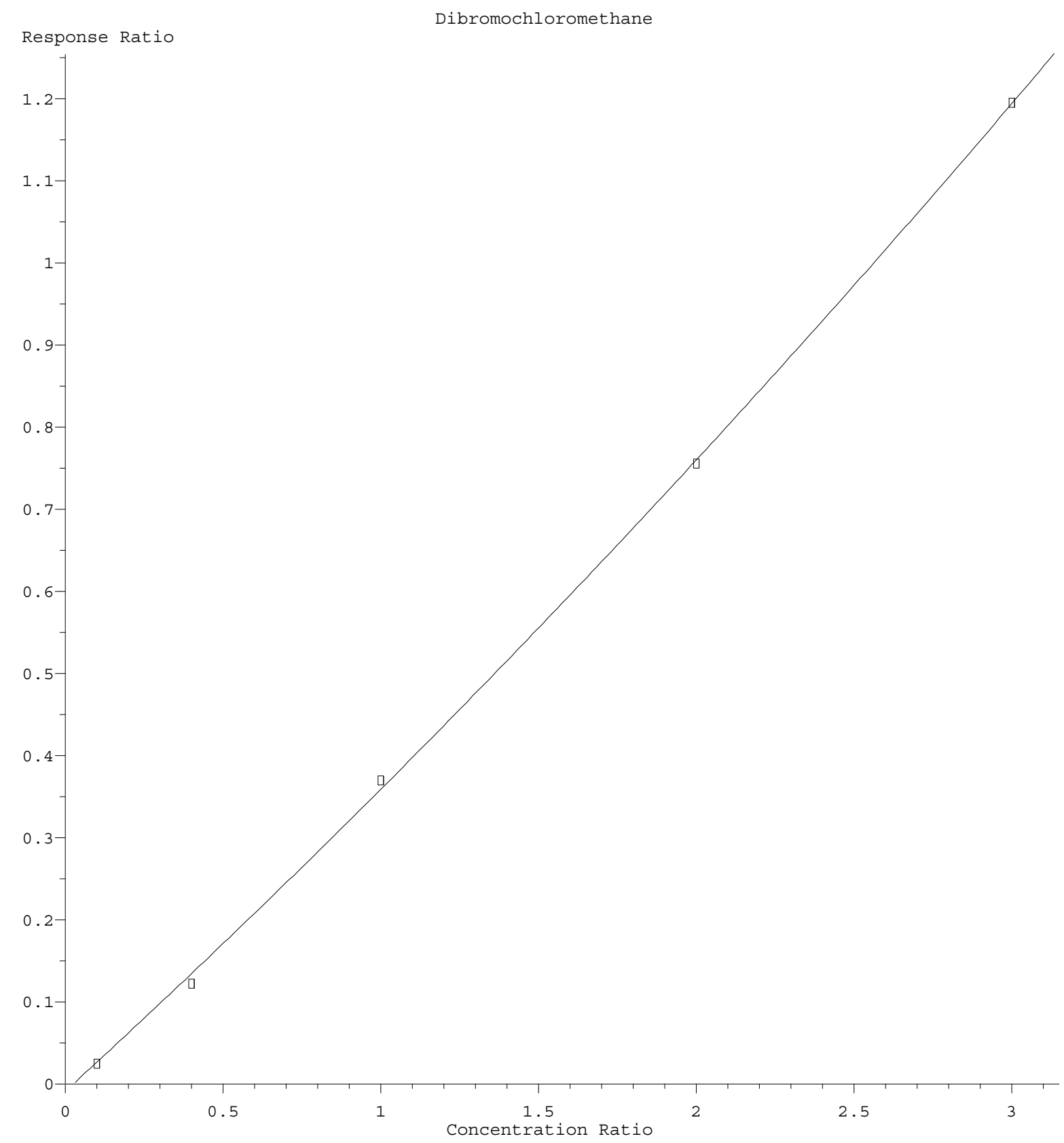
R = 2.599e-002 A*A + 4.830e-001 A - 9.631e-003
Coef of Det (r^2) = 0.999780 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024



Response = 4.385e-001 * Amt - 4.893e-002
Coef of Det (r^2) = 0.997764 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024



R = 2.648e-002 A*A + 2.195e-001 A - 5.414e-003
Coef of Det (r^2) = 0.999777 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024



R = 1.660e-002 A*A + 3.511e-001 A - 8.656e-003
Coef of Det (r^2) = 0.999705 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X121124W.M
Calibration Table Last Updated: Thu Dec 12 04:28:14 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.543	168	141947	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	253574	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	213862	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88334	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	2491	1.135	ug/l		98
3) Chloromethane	1.300	50	2109	1.005	ug/l		98
4) Vinyl Chloride	1.373	62	2285	1.045	ug/l	#	85
6) Chloroethane	1.672	64	1316m	0.967	ug/l		
7) Trichlorofluoromethane	1.867	101	4491	1.049	ug/l		96
8) Diethyl Ether	2.129	74	1651	1.130	ug/l		78
9) 1,1,2-Trichlorotrifluo...	2.318	101	1796	1.037	ug/l		95
12) 1,1-Dichloroethene	2.306	96	1454	0.914	ug/l		90
14) Allyl chloride	2.660	41	2551	0.963	ug/l	#	91
15) Acrylonitrile	3.068	53	4528	4.660	ug/l		98
16) Acetone	2.385	43	5096	5.022	ug/l		97
17) Carbon Disulfide	2.501	76	2387	0.789	ug/l		99
18) Methyl Acetate	2.702	43	2739	1.047	ug/l	#	86
19) Methyl tert-butyl Ether	3.117	73	5832	0.939	ug/l	#	91
20) Methylene Chloride	2.776	84	1928	1.012	ug/l	#	74
21) trans-1,2-Dichloroethene	3.080	96	1703	1.007	ug/l	#	79
22) Diisopropyl ether	3.763	45	5792	0.971	ug/l	#	83
23) Vinyl Acetate	3.733	43	17578	3.623	ug/l		100
24) 1,1-Dichloroethane	3.605	63	3040	0.914	ug/l		96
25) 2-Butanone	4.586	43	6380	4.423	ug/l		96
26) 2,2-Dichloropropane	4.464	77	2220	0.821	ug/l		85
27) cis-1,2-Dichloroethene	4.489	96	2296	1.069	ug/l		81
28) Bromochloromethane	4.909	49	1641	1.006	ug/l	#	72
29) Tetrahydrofuran	5.025	42	4158	4.491	ug/l	#	84
30) Chloroform	5.086	83	3943	1.055	ug/l		91
32) 1,1,1-Trichloroethane	5.379	97	2818	0.908	ug/l	#	48
36) 1,1-Dichloropropene	5.696	75	2479m	1.092	ug/l		
37) Ethyl Acetate	4.727	43	2718	0.969	ug/l	#	71
38) Carbon Tetrachloride	5.678	117	2454	1.004	ug/l	#	73
39) Methylcyclohexane	7.366	83	2606	0.960	ug/l		93
40) Benzene	6.037	78	6864	0.996	ug/l		92
41) Methacrylonitrile	4.946	41	1447m	0.971	ug/l		
42) 1,2-Dichloroethane	6.092	62	2810	0.990	ug/l		93
43) Isopropyl Acetate	6.354	43	3734	0.851	ug/l		98
44) Trichloroethene	7.122	130	1806	1.051	ug/l		71
45) 1,2-Dichloropropane	7.433	63	1865	1.059	ug/l	#	74

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	7.592	93	1251	0.916 ug/l	97
47) Bromodichloromethane	7.830	83	1926	0.816 ug/l #	74
48) Methyl methacrylate	7.720	41	2168	1.018 ug/l #	77
49) 1,4-Dioxane	7.702	88	492m	13.522 ug/l	
51) 4-Methyl-2-Pentanone	8.579	43	12824	4.547 ug/l	95
52) Toluene	8.720	92	4606	1.064 ug/l	92
53) t-1,3-Dichloropropene	8.988	75	1716	1.694 ug/l #	78
54) cis-1,3-Dichloropropene	8.366	75	2048	0.797 ug/l #	75
55) 1,1,2-Trichloroethane	9.159	97	1710	0.994 ug/l #	83
56) Ethyl methacrylate	9.128	69	2490	0.917 ug/l #	85
57) 1,3-Dichloropropane	9.317	76	2929	0.979 ug/l	94
58) 2-Chloroethyl Vinyl ether	8.244	63	5621	4.105 ug/l	96
59) 2-Hexanone	9.439	43	8199	4.017 ug/l	98
60) Dibromochloromethane	9.524	129	1289	1.953 ug/l	97
61) 1,2-Dibromoethane	9.610	107	1535	0.877 ug/l	95
64) Tetrachloroethene	9.274	164	1536	1.082 ug/l	86
65) Chlorobenzene	10.079	112	4835	1.055 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.158	131	1288	0.875 ug/l #	63
67) Ethyl Benzene	10.195	91	7924	1.001 ug/l #	88
68) m/p-Xylenes	10.305	106	5583	1.922 ug/l	98
69) o-Xylene	10.640	106	2933	0.998 ug/l	96
70) Styrene	10.658	104	4306	0.914 ug/l	94
71) Bromoform	10.805	173	584	1.847 ug/l #	72
73) Isopropylbenzene	10.963	105	6474	0.957 ug/l	100
74) N-amyl acetate	10.847	43	2536	0.811 ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.219	83	2491	1.061 ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	2248m	1.121 ug/l	
77) Bromobenzene	11.201	156	1783	1.087 ug/l	91
78) n-propylbenzene	11.305	91	6606	0.884 ug/l	86
79) 2-Chlorotoluene	11.366	91	5194	1.075 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	5417	0.966 ug/l	98
82) 4-Chlorotoluene	11.457	91	5236	0.978 ug/l	98
83) tert-Butylbenzene	11.713	119	5601	1.011 ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	4769	0.866 ug/l	95
85) sec-Butylbenzene	11.890	105	6500	0.966 ug/l	99
86) p-Isopropyltoluene	12.012	119	5210	0.930 ug/l	93
87) 1,3-Dichlorobenzene	11.975	146	2684	0.937 ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	3200m	1.087 ug/l	
89) n-Butylbenzene	12.335	91	3973	0.844 ug/l	94
90) Hexachloroethane	12.536	117	632	0.773 ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	3082	1.036 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	392	0.860 ug/l	70
93) 1,2,4-Trichlorobenzene	13.591	180	1361	0.835 ug/l	92
94) Hexachlorobutadiene	13.725	225	689	1.051 ug/l	96
95) Naphthalene	13.780	128	5167	0.812 ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	1509	0.873 ug/l	95

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

ICAL Form

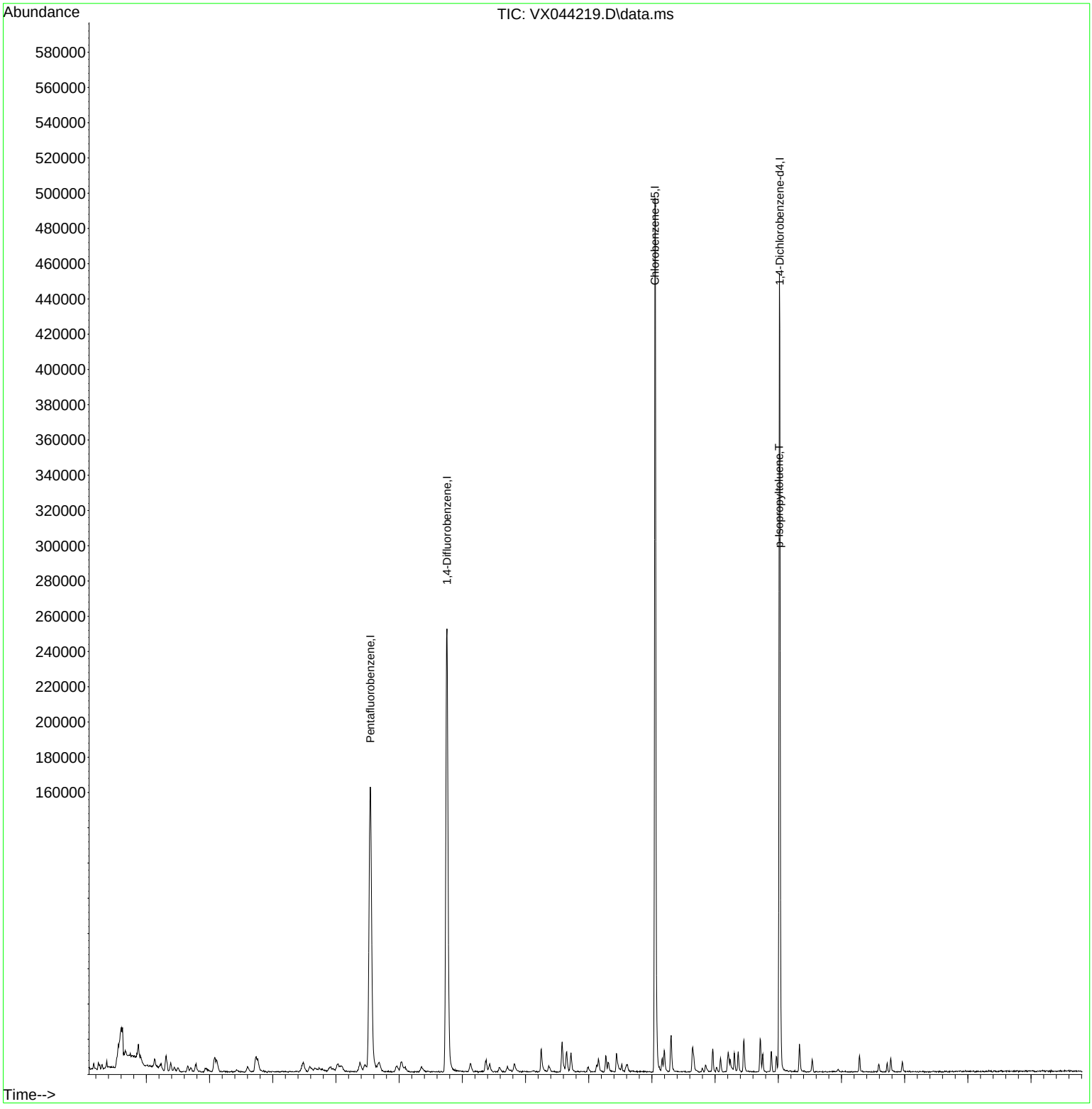
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044219.D
Acq On : 11 Dec 2024 10:41
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 04:12:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	139609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	258881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	13043	5.328	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.660%#		
35) Dibromofluoromethane	5.385	113	9145	5.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.200%#		
50) Toluene-d8	8.647	98	29732	4.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.840%#		
62) 4-Bromofluorobenzene	11.079	95	10101	4.779	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.560%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	10452	4.842	ug/l	91
3) Chloromethane	1.294	50	10429	5.052	ug/l	95
4) Vinyl Chloride	1.374	62	11031	5.129	ug/l	98
5) Bromomethane	1.593	94	8237	5.399	ug/l	92
6) Chloroethane	1.660	64	7253	5.416	ug/l	96
7) Trichlorofluoromethane	1.868	101	21207	5.037	ug/l	91
8) Diethyl Ether	2.136	74	7199	5.009	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	8766	5.145	ug/l	97
10) Methyl Iodide	2.447	142	11066	4.928	ug/l	97
11) Tert butyl alcohol	2.995	59	7159m	20.785	ug/l	
12) 1,1-Dichloroethene	2.306	96	7822	4.999	ug/l	95
13) Acrolein	2.239	56	12521	25.073	ug/l	100
14) Allyl chloride	2.654	41	12490	4.792	ug/l	94
15) Acrylonitrile	3.069	53	23276	24.357	ug/l	99
16) Acetone	2.392	43	24645	24.696	ug/l	93
17) Carbon Disulfide	2.495	76	12169	4.091	ug/l	99
18) Methyl Acetate	2.709	43	12412	4.824	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	30546	5.002	ug/l	94
20) Methylene Chloride	2.782	84	9466	5.050	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	7768	4.671	ug/l	97
22) Diisopropyl ether	3.764	45	29518	5.029	ug/l #	73
23) Vinyl Acetate	3.721	43	109670	22.983	ug/l	96
24) 1,1-Dichloroethane	3.605	63	16370	5.004	ug/l	96
25) 2-Butanone	4.574	43	34245	24.138	ug/l	97
26) 2,2-Dichloropropane	4.471	77	12514	4.708	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	10292	4.873	ug/l	97
28) Bromochloromethane	4.897	49	8049	5.017	ug/l #	93
29) Tetrahydrofuran	5.019	42	24307	26.693	ug/l	94
30) Chloroform	5.093	83	18319	4.984	ug/l	93
31) Cyclohexane	5.464	56	12995	4.919	ug/l	89
32) 1,1,1-Trichloroethane	5.373	97	14231	4.664	ug/l	96
36) 1,1-Dichloropropene	5.690	75	11455	4.942	ug/l	94
37) Ethyl Acetate	4.727	43	13265	4.630	ug/l	97
38) Carbon Tetrachloride	5.666	117	11476	4.599	ug/l	96
39) Methylcyclohexane	7.373	83	13019	4.699	ug/l #	85
40) Benzene	6.037	78	35018	4.976	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.946	41	7585	4.986 ug/l	93
42) 1,2-Dichloroethane	6.092	62	14419	4.974 ug/l	99
43) Isopropyl Acetate	6.354	43	22098	4.935 ug/l	98
44) Trichloroethene	7.123	130	8405	4.790 ug/l	100
45) 1,2-Dichloropropane	7.434	63	8932	4.968 ug/l	94
46) Dibromomethane	7.586	93	6915	4.958 ug/l	99
47) Bromodichloromethane	7.824	83	10646	4.420 ug/l #	98
48) Methyl methacrylate	7.702	41	9586	4.410 ug/l	97
49) 1,4-Dioxane	7.671	88	3545m	95.429 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	71285	24.759 ug/l	98
52) Toluene	8.720	92	21486	4.862 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	9232	4.665 ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	11404	4.348 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	8590	4.893 ug/l	97
56) Ethyl methacrylate	9.122	69	11854	4.277 ug/l #	89
57) 1,3-Dichloropropane	9.311	76	15352	5.024 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	34738	24.852 ug/l	99
59) 2-Hexanone	9.433	43	50003	23.994 ug/l	96
60) Dibromochloromethane	9.519	129	6411	4.738 ug/l	98
61) 1,2-Dibromoethane	9.610	107	8330	4.662 ug/l	97
64) Tetrachloroethene	9.275	164	7710	5.334 ug/l #	87
65) Chlorobenzene	10.079	112	23268	4.986 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	6647	4.432 ug/l	94
67) Ethyl Benzene	10.195	91	39326	4.877 ug/l	97
68) m/p-Xylenes	10.299	106	28758	9.720 ug/l	98
69) o-Xylene	10.640	106	14864	4.965 ug/l	97
70) Styrene	10.659	104	22191	4.624 ug/l	98
71) Bromoform	10.799	173	3775	5.118 ug/l #	98
73) Isopropylbenzene	10.963	105	37843	5.194 ug/l	98
74) N-amyl acetate	10.842	43	15418	4.579 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	12848	5.077 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	10236m	4.740 ug/l	
77) Bromobenzene	11.201	156	8892	5.033 ug/l	99
78) n-propylbenzene	11.305	91	40574	5.038 ug/l	96
79) 2-Chlorotoluene	11.366	91	27096	5.203 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	30665	5.075 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	2249	8.273 ug/l #	62
82) 4-Chlorotoluene	11.457	91	29039	5.035 ug/l	99
83) tert-Butylbenzene	11.713	119	29283	4.904 ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	30970	5.219 ug/l	99
85) sec-Butylbenzene	11.890	105	35670	4.921 ug/l	98
86) p-Isopropyltoluene	12.006	119	29132	4.828 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15553	5.039 ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	15609	4.920 ug/l	95
89) n-Butylbenzene	12.335	91	22719	4.478 ug/l	98
90) Hexachloroethane	12.536	117	3765	4.275 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	15858	4.949 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2154	4.385 ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	7867	4.478 ug/l	96
94) Hexachlorobutadiene	13.725	225	3321	4.700 ug/l	93
95) Naphthalene	13.780	128	31842	4.643 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	8422	4.520 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

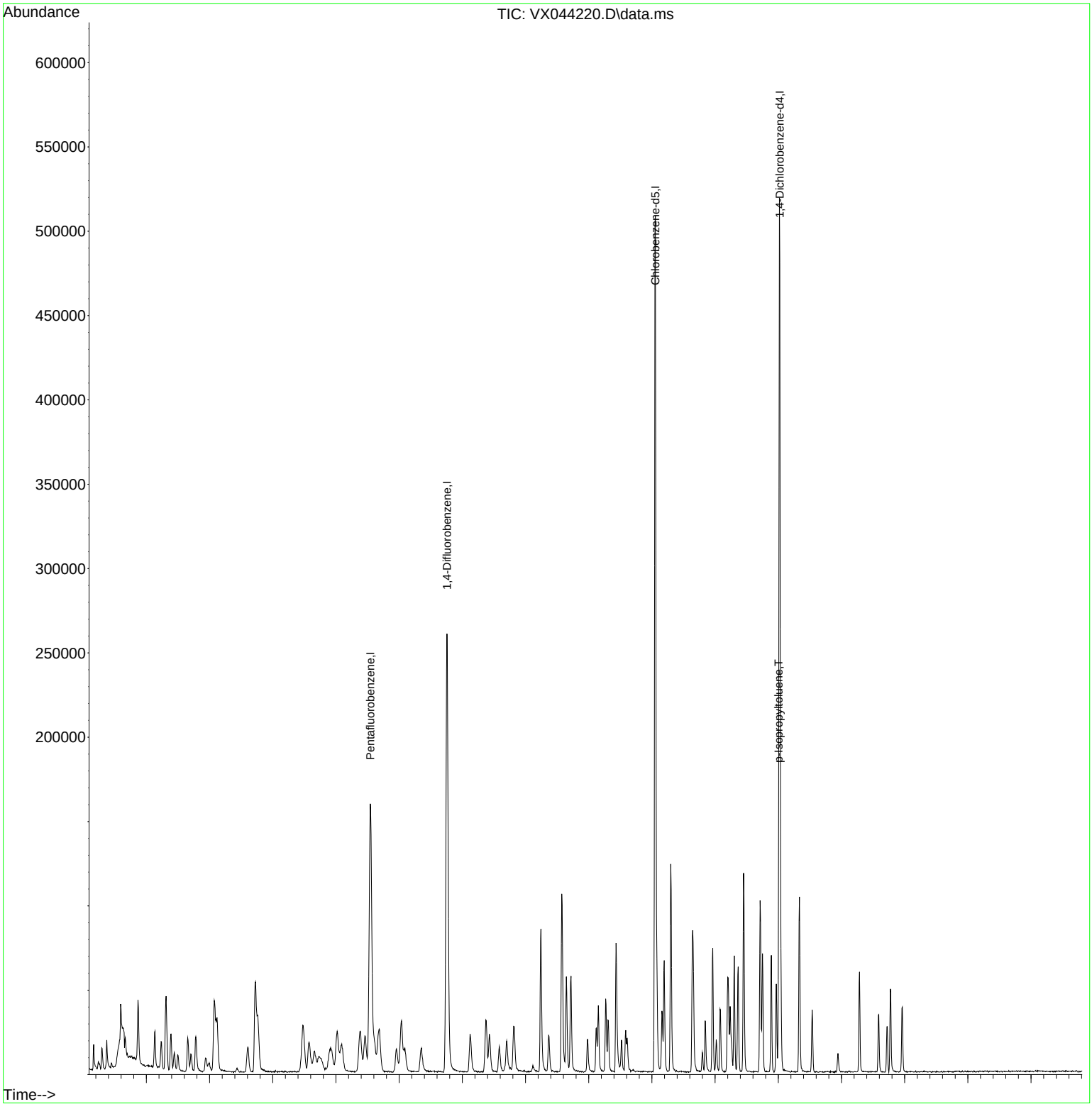
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044220.D
Acq On : 11 Dec 2024 11:27
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 12 04:13:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	134436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	41821	17.743	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	35.480%#		
35) Dibromofluoromethane	5.391	113	30304	17.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	34.420%#		
50) Toluene-d8	8.647	98	102660	17.284	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	34.560%#		
62) 4-Bromofluorobenzene	11.079	95	35645	17.175	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	34.340%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	38748	18.640	ug/l	90
3) Chloromethane	1.294	50	39546	19.894	ug/l	100
4) Vinyl Chloride	1.374	62	42048	20.304	ug/l	97
5) Bromomethane	1.593	94	27604	18.789	ug/l	94
6) Chloroethane	1.666	64	27673	21.460	ug/l	94
7) Trichlorofluoromethane	1.867	101	81398	20.077	ug/l	99
8) Diethyl Ether	2.136	74	25884	18.704	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	31846	19.412	ug/l	99
10) Methyl Iodide	2.441	142	42786	19.788	ug/l	99
11) Tert butyl alcohol	3.001	59	29819m	89.904	ug/l	
12) 1,1-Dichloroethene	2.306	96	29241	19.405	ug/l	92
13) Acrolein	2.239	56	43909	91.311	ug/l	97
14) Allyl chloride	2.654	41	47218	18.813	ug/l	98
15) Acrylonitrile	3.068	53	89249	96.988	ug/l	99
16) Acetone	2.392	43	88985	92.601	ug/l	95
17) Carbon Disulfide	2.502	76	50399	17.595	ug/l	98
18) Methyl Acetate	2.709	43	47509	19.175	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	114371	19.450	ug/l	100
20) Methylene Chloride	2.782	84	35820	19.846	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	31036	19.380	ug/l	97
22) Diisopropyl ether	3.764	45	112511	19.907	ug/l	94
23) Vinyl Acetate	3.721	43	465716	101.354	ug/l	100
24) 1,1-Dichloroethane	3.605	63	62059	19.699	ug/l	98
25) 2-Butanone	4.568	43	136992	100.277	ug/l	99
26) 2,2-Dichloropropane	4.471	77	51431	20.095	ug/l #	74
27) cis-1,2-Dichloroethene	4.477	96	39161	19.254	ug/l	99
28) Bromochloromethane	4.891	49	30977	20.052	ug/l	95
29) Tetrahydrofuran	5.013	42	86235	98.343	ug/l	99
30) Chloroform	5.093	83	68410	19.327	ug/l	97
31) Cyclohexane	5.458	56	51773	20.351	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	57900	19.706	ug/l	99
36) 1,1-Dichloropropene	5.690	75	42878	18.841	ug/l	99
37) Ethyl Acetate	4.727	43	56019	19.913	ug/l	99
38) Carbon Tetrachloride	5.672	117	43901	17.918	ug/l	92
39) Methylcyclohexane	7.379	83	53536	19.678	ug/l	97
40) Benzene	6.031	78	135467	19.606	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	28523	19.095	ug/l		94
42) 1,2-Dichloroethane	6.086	62	55377	19.456	ug/l		98
43) Isopropyl Acetate	6.342	43	84866	19.301	ug/l		100
44) Trichloroethene	7.123	130	32995	19.149	ug/l		96
45) 1,2-Dichloropropane	7.427	63	33585	19.025	ug/l		97
46) Dibromomethane	7.580	93	26293	19.199	ug/l		99
47) Bromodichloromethane	7.818	83	44312	18.735	ug/l		99
48) Methyl methacrylate	7.696	41	40620	19.032	ug/l		98
49) 1,4-Dioxane	7.671	88	14281m	391.518	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	278267	98.429	ug/l		100
52) Toluene	8.714	92	82934	19.113	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	44614	18.785	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	49596	19.258	ug/l		91
55) 1,1,2-Trichloroethane	9.147	97	34013	19.732	ug/l		98
56) Ethyl methacrylate	9.116	69	52571	19.318	ug/l		99
57) 1,3-Dichloropropane	9.305	76	59489	19.827	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	129900	94.642	ug/l		100
59) 2-Hexanone	9.433	43	207578	101.440	ug/l		99
60) Dibromochloromethane	9.519	129	31066	18.318	ug/l		97
61) 1,2-Dibromoethane	9.610	107	34978	19.935	ug/l		98
64) Tetrachloroethene	9.275	164	27702	19.133	ug/l		97
65) Chlorobenzene	10.079	112	90631	19.389	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	29132	19.392	ug/l		99
67) Ethyl Benzene	10.195	91	158455	19.619	ug/l		98
68) m/p-Xylenes	10.299	106	116126	39.183	ug/l		98
69) o-Xylene	10.640	106	59787	19.938	ug/l		99
70) Styrene	10.653	104	95883	19.946	ug/l		98
71) Bromoform	10.799	173	16924	18.112	ug/l	#	96
73) Isopropylbenzene	10.963	105	153935	20.481	ug/l		98
74) N-amyl acetate	10.842	43	69643	20.049	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	52312	20.039	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	43726m	19.627	ug/l		
77) Bromobenzene	11.195	156	34951	19.176	ug/l		98
78) n-propylbenzene	11.305	91	169622	20.419	ug/l		100
79) 2-Chlorotoluene	11.366	91	106310	19.788	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	126626	20.315	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	11784	19.264	ug/l		90
82) 4-Chlorotoluene	11.451	91	118309	19.886	ug/l		100
83) tert-Butylbenzene	11.713	119	121929	19.794	ug/l		95
84) 1,2,4-Trimethylbenzene	11.750	105	125939	20.574	ug/l		99
85) sec-Butylbenzene	11.890	105	150795	20.165	ug/l		99
86) p-Isopropyltoluene	12.006	119	127790	20.532	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	64399	20.228	ug/l		98
88) 1,4-Dichlorobenzene	12.043	146	64106	19.588	ug/l		99
89) n-Butylbenzene	12.329	91	104410	19.950	ug/l		99
90) Hexachloroethane	12.536	117	15939	17.543	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	65511	19.817	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9468	18.683	ug/l		97
93) 1,2,4-Trichlorobenzene	13.591	180	35001	19.313	ug/l		99
94) Hexachlorobutadiene	13.725	225	14415	19.774	ug/l		97
95) Naphthalene	13.774	128	142515	20.146	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	38639	20.101	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

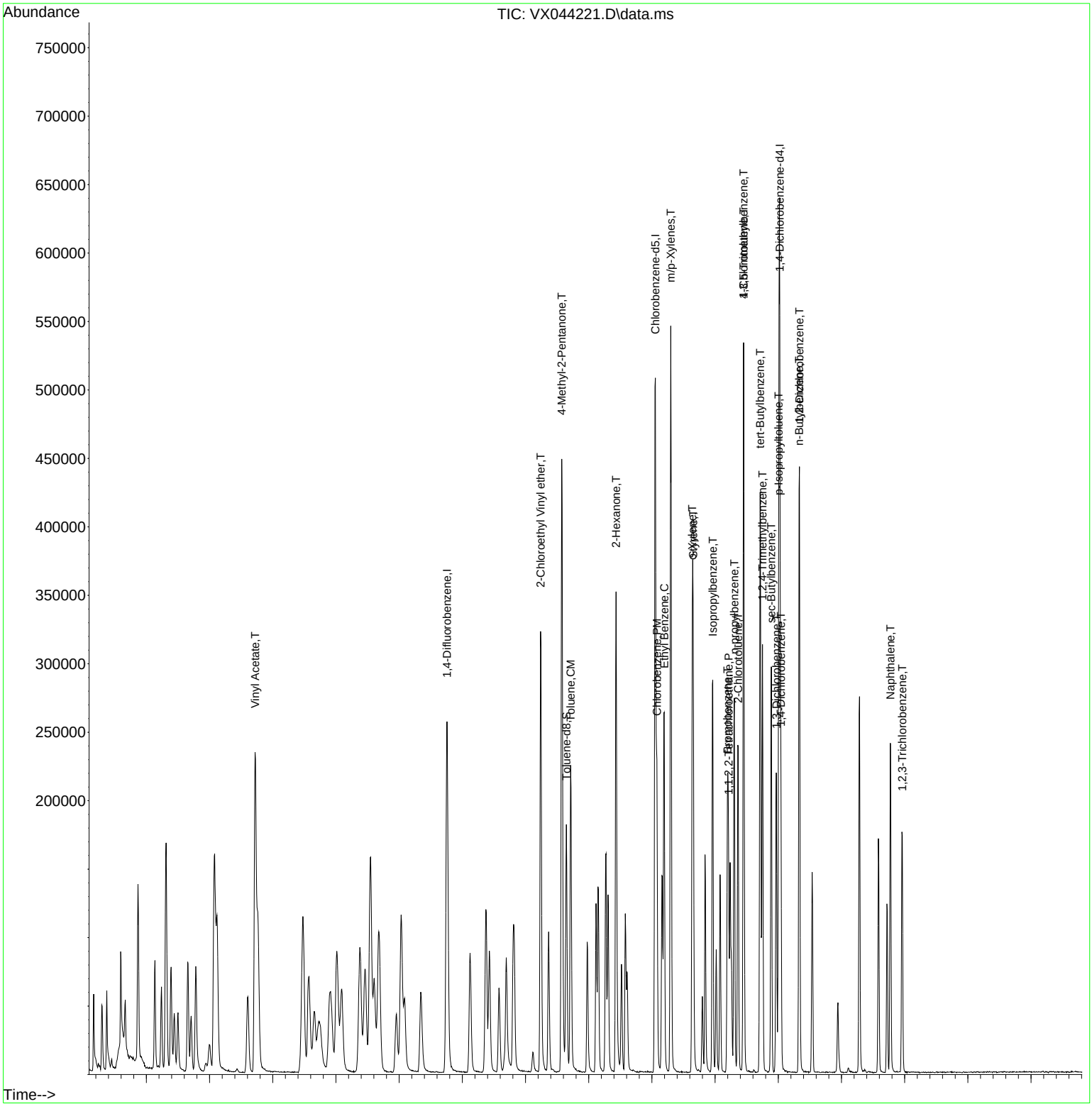
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044221.D
Acq On : 11 Dec 2024 11:50
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 12 04:14:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	125713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233488	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	115815	52.544	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.080%			
35) Dibromofluoromethane	5.385	113	85656	52.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	8.647	98	292199	53.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.120%			
62) 4-Bromofluorobenzene	11.079	95	103178	54.123	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	99052	50.957	ug/l	100
3) Chloromethane	1.295	50	94981	51.097	ug/l	100
4) Vinyl Chloride	1.374	62	98852	51.045	ug/l	100
5) Bromomethane	1.593	94	69250	50.405	ug/l	100
6) Chloroethane	1.666	64	66862	55.448	ug/l	100
7) Trichlorofluoromethane	1.868	101	193676	51.086	ug/l	100
8) Diethyl Ether	2.136	74	64542	49.875	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	77275	50.371	ug/l	100
10) Methyl Iodide	2.441	142	106509	52.678	ug/l	100
11) Tert butyl alcohol	2.995	59	75690m	244.039	ug/l	
12) 1,1-Dichloroethene	2.307	96	74884	53.143	ug/l	100
13) Acrolein	2.239	56	116171	258.347	ug/l	100
14) Allyl chloride	2.654	41	126925	54.079	ug/l	100
15) Acrylonitrile	3.069	53	225330	261.859	ug/l	100
16) Acetone	2.392	43	239661	266.704	ug/l	100
17) Carbon Disulfide	2.502	76	144624	53.994	ug/l	100
18) Methyl Acetate	2.709	43	119808	51.710	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	289735	52.691	ug/l	100
20) Methylene Chloride	2.782	84	86593	51.305	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	77834	51.974	ug/l	100
22) Diisopropyl ether	3.764	45	273039	51.662	ug/l	100
23) Vinyl Acetate	3.721	43	1202044	279.754	ug/l	100
24) 1,1-Dichloroethane	3.605	63	156412	53.093	ug/l	100
25) 2-Butanone	4.562	43	344663	269.797	ug/l	100
26) 2,2-Dichloropropane	4.465	77	131428	54.914	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	97013	51.007	ug/l	100
28) Bromochloromethane	4.898	49	74477	51.555	ug/l	100
29) Tetrahydrofuran	5.007	42	212103	258.669	ug/l	100
30) Chloroform	5.087	83	168864	51.017	ug/l	100
31) Cyclohexane	5.465	56	122841	51.637	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	147834	53.806	ug/l	100
36) 1,1-Dichloropropene	5.690	75	103760	49.638	ug/l	100
37) Ethyl Acetate	4.721	43	135753	52.537	ug/l	100
38) Carbon Tetrachloride	5.672	117	117076	52.023	ug/l	100
39) Methylcyclohexane	7.373	83	129697	51.901	ug/l	100
40) Benzene	6.031	78	329154	51.863	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	70427	51.329 ug/l		100
42) 1,2-Dichloroethane	6.086	62	136309	52.138 ug/l		100
43) Isopropyl Acetate	6.342	43	213891	52.961 ug/l		100
44) Trichloroethene	7.123	130	81542	51.521 ug/l		100
45) 1,2-Dichloropropane	7.428	63	83376	51.420 ug/l		100
46) Dibromomethane	7.580	93	66786	53.092 ug/l		100
47) Bromodichloromethane	7.824	83	118634	54.607 ug/l		100
48) Methyl methacrylate	7.696	41	103726	52.909 ug/l		100
49) 1,4-Dioxane	7.671	88	35263m	1052.498 ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	688666	265.203 ug/l		100
52) Toluene	8.714	92	204738	51.370 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	120007	51.362 ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	132286	55.923 ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	83488	52.729 ug/l		100
56) Ethyl methacrylate	9.116	69	134770	53.917 ug/l		100
57) 1,3-Dichloropropane	9.305	76	143044	51.904 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	342592	271.745 ug/l		100
59) 2-Hexanone	9.433	43	512906	272.881 ug/l		100
60) Dibromochloromethane	9.519	129	86352	51.400 ug/l		100
61) 1,2-Dibromoethane	9.604	107	86150	53.454 ug/l		100
64) Tetrachloroethene	9.269	164	65888	48.379 ug/l		100
65) Chlorobenzene	10.080	112	223269	50.779 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	76867	54.396 ug/l		100
67) Ethyl Benzene	10.189	91	395430	52.050 ug/l		100
68) m/p-Xylenes	10.299	106	290181	104.094 ug/l		100
69) o-Xylene	10.640	106	144247	51.141 ug/l		100
70) Styrene	10.653	104	238379	52.719 ug/l		100
71) Bromoform	10.799	173	50667	51.158 ug/l	#	100
73) Isopropylbenzene	10.957	105	372519	51.100 ug/l		100
74) N-amyl acetate	10.842	43	182491	54.166 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	127193	50.233 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	107003m	49.518 ug/l		
77) Bromobenzene	11.195	156	89687	50.734 ug/l		100
78) n-propylbenzene	11.305	91	428741	53.211 ug/l		100
79) 2-Chlorotoluene	11.360	91	263849	50.634 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	314986	52.102 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	35119	47.628 ug/l		100
82) 4-Chlorotoluene	11.451	91	296520	51.387 ug/l		100
83) tert-Butylbenzene	11.713	119	310320	51.940 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	313338	52.776 ug/l		100
85) sec-Butylbenzene	11.890	105	379552	52.329 ug/l		100
86) p-Isopropyltoluene	12.006	119	318721	52.796 ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	160223	51.887 ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	159258	50.171 ug/l		100
89) n-Butylbenzene	12.329	91	270840	53.354 ug/l		100
90) Hexachloroethane	12.536	117	48303	54.813 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	164342	51.256 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26027	52.951 ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	93173	53.005 ug/l		100
94) Hexachlorobutadiene	13.725	225	35172	49.744 ug/l		100
95) Naphthalene	13.774	128	365234	53.230 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	97000	52.027 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

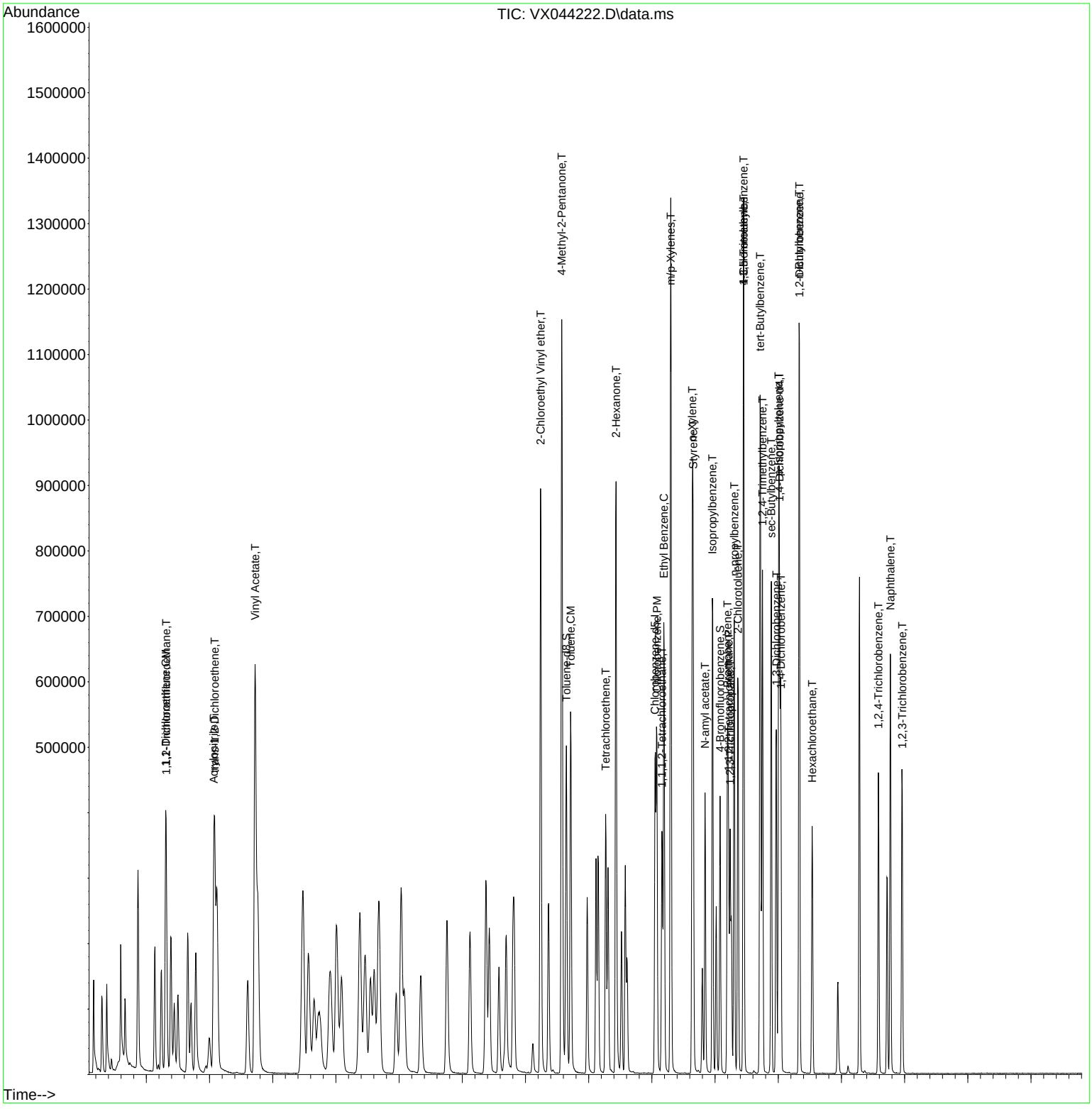
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044222.D
Acq On : 11 Dec 2024 12:14
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 12 04:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.550	168	130101	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	235738	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209164	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97670	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.952	65	224292	98.326 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.660%#		
35) Dibromofluoromethane	5.379	113	169582	103.866 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 207.740%#		
50) Toluene-d8	8.647	98	579477	105.201 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 210.400%#		
62) 4-Bromofluorobenzene	11.079	95	203694	105.830 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 211.660%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	193785	96.329 ug/l	97
3) Chloromethane	1.295	50	186167	96.774 ug/l	99
4) Vinyl Chloride	1.374	62	187739	93.675 ug/l	99
5) Bromomethane	1.593	94	137770	96.897 ug/l	97
6) Chloroethane	1.660	64	109912	88.074 ug/l	95
7) Trichlorofluoromethane	1.862	101	384622	98.030 ug/l	98
8) Diethyl Ether	2.136	74	124039	92.618 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	149151	93.944 ug/l	99
10) Methyl Iodide	2.441	142	203545	97.275 ug/l	100
11) Tert butyl alcohol	3.008	59	173139	539.406 ug/l	100
12) 1,1-Dichloroethene	2.307	96	144268	98.930 ug/l	100
13) Acrolein	2.240	56	226037	485.718 ug/l	99
14) Allyl chloride	2.654	41	244602	100.703 ug/l	99
15) Acrylonitrile	3.069	53	446747	501.661 ug/l	99
16) Acetone	2.392	43	452955	487.065 ug/l	97
17) Carbon Disulfide	2.496	76	320036	115.453 ug/l	99
18) Methyl Acetate	2.709	43	230998	96.338 ug/l	97
19) Methyl tert-butyl Ether	3.117	73	564545	99.205 ug/l	99
20) Methylene Chloride	2.782	84	168498	96.466 ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	154797	99.880 ug/l	98
22) Diisopropyl ether	3.764	45	538742	98.498 ug/l	99
23) Vinyl Acetate	3.721	43	2395923	538.801 ug/l	100
24) 1,1-Dichloroethane	3.605	63	304626	99.915 ug/l	99
25) 2-Butanone	4.568	43	662768	501.306 ug/l	99
26) 2,2-Dichloropropane	4.471	77	258092	104.201 ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	190127	96.593 ug/l	99
28) Bromochloromethane	4.891	49	144783	96.842 ug/l	99
29) Tetrahydrofuran	5.007	42	412666	486.290 ug/l	99
30) Chloroform	5.093	83	331047	96.642 ug/l	98
31) Cyclohexane	5.458	56	239879	97.433 ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	291065	102.363 ug/l	99
36) 1,1-Dichloropropene	5.684	75	209732	99.376 ug/l	98
37) Ethyl Acetate	4.721	43	266307	102.079 ug/l	100
38) Carbon Tetrachloride	5.672	117	236869	104.249 ug/l	96
39) Methylcyclohexane	7.373	83	259368	102.800 ug/l	98
40) Benzene	6.032	78	638055	99.575 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	140375	101.332 ug/l		99
42) 1,2-Dichloroethane	6.086	62	261991	99.255 ug/l		99
43) Isopropyl Acetate	6.342	43	427893	104.939 ug/l		99
44) Trichloroethene	7.123	130	158990	99.497 ug/l		99
45) 1,2-Dichloropropane	7.428	63	160913	98.293 ug/l		97
46) Dibromomethane	7.580	93	130316	102.607 ug/l		99
47) Bromodichloromethane	7.818	83	244401	111.423 ug/l		100
48) Methyl methacrylate	7.696	41	203116	102.618 ug/l		99
49) 1,4-Dioxane	7.665	88	73434m	2170.871 ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	1322678	504.496 ug/l		99
52) Toluene	8.714	92	396383	98.506 ug/l		100
53) t-1,3-Dichloropropene	8.976	75	248092	99.321 ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	263014	110.127 ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	157366	98.441 ug/l		98
56) Ethyl methacrylate	9.116	69	271146	107.442 ug/l		99
57) 1,3-Dichloropropane	9.305	76	274642	98.704 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	671233	527.342 ug/l		100
59) 2-Hexanone	9.433	43	989466	521.401 ug/l		99
60) Dibromochloromethane	9.519	129	178135	99.480 ug/l		99
61) 1,2-Dibromoethane	9.610	107	171458	105.371 ug/l		97
64) Tetrachloroethene	9.269	164	130678	94.131 ug/l		97
65) Chlorobenzene	10.080	112	433179	96.650 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	153882	106.831 ug/l		99
67) Ethyl Benzene	10.195	91	765930	98.906 ug/l		97
68) m/p-Xylenes	10.299	106	571648	201.171 ug/l		99
69) o-Xylene	10.640	106	280603	97.597 ug/l		100
70) Styrene	10.653	104	480077	104.159 ug/l		97
71) Bromoform	10.799	173	112482	99.723 ug/l	#	98
73) Isopropylbenzene	10.964	105	731955	97.894 ug/l		99
74) N-amyl acetate	10.842	43	371420	107.485 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.214	83	245395	94.491 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	206786m	93.302 ug/l		
77) Bromobenzene	11.195	156	175647	96.874 ug/l		98
78) n-propylbenzene	11.305	91	836676	101.242 ug/l		99
79) 2-Chlorotoluene	11.366	91	504407	94.377 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	604993	97.570 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	78453	97.165 ug/l		94
82) 4-Chlorotoluene	11.451	91	588197	99.384 ug/l		99
83) tert-Butylbenzene	11.713	119	606738	99.013 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	614999	100.994 ug/l		100
85) sec-Butylbenzene	11.890	105	743098	99.889 ug/l		100
86) p-Isopropyltoluene	12.006	119	624416	100.847 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	317377	100.210 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	316688	97.271 ug/l		99
89) n-Butylbenzene	12.329	91	564303	108.385 ug/l		99
90) Hexachloroethane	12.536	117	105946	117.218 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	323040	98.232 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	54588	108.279 ug/l		93
93) 1,2,4-Trichlorobenzene	13.585	180	197899	109.766 ug/l		98
94) Hexachlorobutadiene	13.725	225	72453	99.908 ug/l		97
95) Naphthalene	13.774	128	755181	107.308 ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	206053	107.754 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

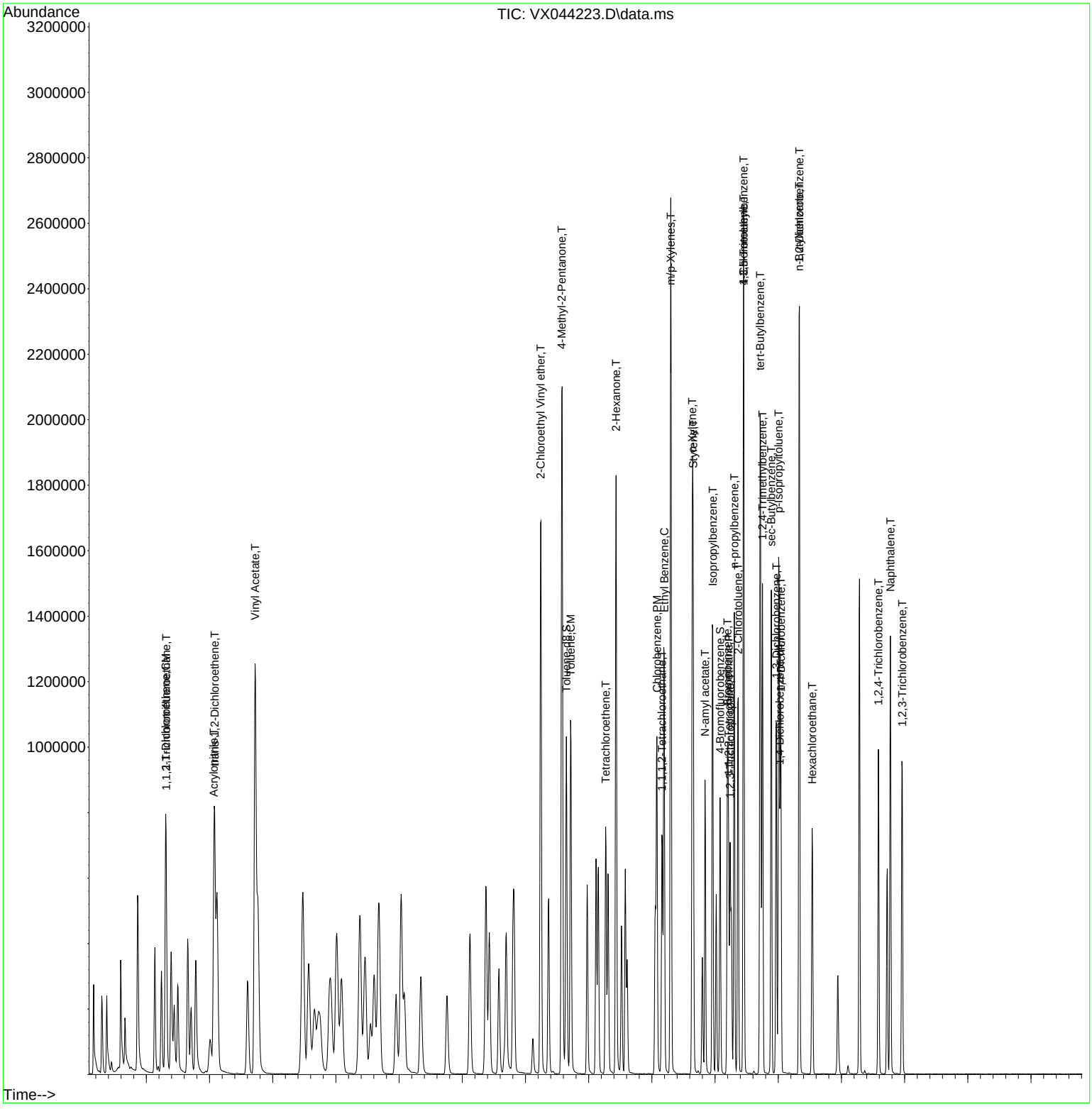
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044223.D
Acq On : 11 Dec 2024 12:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 12 04:15:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	117957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90898	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	314272	151.956	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 303.920%#			
35) Dibromofluoromethane	5.385	113	231937	153.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 306.380%#			
50) Toluene-d8	8.647	98	788876	154.438	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 308.880%#			
62) 4-Bromofluorobenzene	11.079	95	279706	156.709	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 313.420%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	268739	147.342	ug/l	98
3) Chloromethane	1.294	50	261734	150.062	ug/l	97
4) Vinyl Chloride	1.374	62	260651	143.446	ug/l	97
5) Bromomethane	1.593	94	194089	150.562	ug/l	100
6) Chloroethane	1.660	64	150640	133.137	ug/l	98
7) Trichlorofluoromethane	1.861	101	500315	140.645	ug/l	99
8) Diethyl Ether	2.136	74	183845	151.407	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	219513	152.497	ug/l	99
10) Methyl Iodide	2.441	142	284184	149.795	ug/l	99
11) Tert butyl alcohol	3.014	59	266830	916.880	ug/l	98
12) 1,1-Dichloroethene	2.306	96	211016	159.600	ug/l	96
13) Acrolein	2.239	56	341487	809.350	ug/l	100
14) Allyl chloride	2.654	41	346773	157.465	ug/l	99
15) Acrylonitrile	3.068	53	649783	804.774	ug/l	99
16) Acetone	2.392	43	658120	780.537	ug/l	98
17) Carbon Disulfide	2.495	76	481926	191.754	ug/l	99
18) Methyl Acetate	2.709	43	336516	154.792	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	806360	156.286	ug/l	98
20) Methylene Chloride	2.782	84	236412	149.282	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	221622	157.719	ug/l	99
22) Diisopropyl ether	3.763	45	751292	151.500	ug/l	98
23) Vinyl Acetate	3.727	43	3464902	859.417	ug/l	99
24) 1,1-Dichloroethane	3.605	63	431006	155.921	ug/l	100
25) 2-Butanone	4.568	43	957709	798.973	ug/l	99
26) 2,2-Dichloropropane	4.465	77	367781	163.773	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	269708	151.131	ug/l	99
28) Bromochloromethane	4.897	49	200978	148.269	ug/l	100
29) Tetrahydrofuran	5.013	42	602095	782.561	ug/l	99
30) Chloroform	5.092	83	463606	149.274	ug/l	99
31) Cyclohexane	5.458	56	332026	148.745	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	415253	161.073	ug/l	99
36) 1,1-Dichloropropene	5.684	75	290913	148.642	ug/l	99
37) Ethyl Acetate	4.721	43	376757	155.731	ug/l	99
38) Carbon Tetrachloride	5.672	117	346795	164.587	ug/l	98
39) Methylcyclohexane	7.373	83	368542	157.516	ug/l	99
40) Benzene	6.031	78	887413	149.340	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	199851	155.569 ug/l	99
42) 1,2-Dichloroethane	6.086	62	369874	151.105 ug/l	100
43) Isopropyl Acetate	6.342	43	617107	163.200 ug/l	99
44) Trichloroethene	7.123	130	224164	151.275 ug/l	100
45) 1,2-Dichloropropane	7.427	63	224224	147.697 ug/l	96
46) Dibromomethane	7.580	93	184590	156.728 ug/l	99
47) Bromodichloromethane	7.818	83	352904	173.496 ug/l	98
48) Methyl methacrylate	7.696	41	292890	159.567 ug/l	98
49) 1,4-Dioxane	7.665	88	101048m	3221.248 ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	1907523	784.573 ug/l	99
52) Toluene	8.714	92	557102	149.294 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	366275	150.167 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	382226	172.581 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	222665	150.202 ug/l	98
56) Ethyl methacrylate	9.116	69	389165	166.289 ug/l	99
57) 1,3-Dichloropropane	9.305	76	387086	150.014 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	970949	822.575 ug/l	100
59) 2-Hexanone	9.433	43	1436300	816.161 ug/l	99
60) Dibromochloromethane	9.525	129	261253	150.105 ug/l	99
61) 1,2-Dibromoethane	9.610	107	242451	160.674 ug/l	97
64) Tetrachloroethene	9.269	164	186443	147.836 ug/l	98
65) Chlorobenzene	10.079	112	608404	149.428 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	218515	166.991 ug/l	100
67) Ethyl Benzene	10.195	91	1068736	151.917 ug/l	98
68) m/p-Xylenes	10.299	106	806058	312.254 ug/l	98
69) o-Xylene	10.640	106	397084	152.030 ug/l	98
70) Styrene	10.652	104	670887	160.228 ug/l	98
71) Bromoform	10.799	173	169450	150.034 ug/l #	99
73) Isopropylbenzene	10.963	105	1021749	146.832 ug/l	99
74) N-amyl acetate	10.841	43	536496	166.823 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	352591	145.883 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	287602m	139.434 ug/l	
77) Bromobenzene	11.201	156	243975	144.584 ug/l	100
78) n-propylbenzene	11.305	91	1166255	151.637 ug/l	98
79) 2-Chlorotoluene	11.366	91	700673	140.866 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	853042	147.824 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	117263	152.670 ug/l	93
82) 4-Chlorotoluene	11.451	91	825278	149.831 ug/l	99
83) tert-Butylbenzene	11.713	119	846864	148.495 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	846771	149.414 ug/l	100
85) sec-Butylbenzene	11.890	105	1034419	149.409 ug/l	99
86) p-Isopropyltoluene	12.006	119	875562	151.944 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	443826	150.575 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	442556	146.058 ug/l	99
89) n-Butylbenzene	12.329	91	808399	166.836 ug/l	100
90) Hexachloroethane	12.536	117	154726	183.942 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	447931	146.357 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	83565	178.106 ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	288519	171.952 ug/l	98
94) Hexachlorobutadiene	13.725	225	103961	154.036 ug/l	98
95) Naphthalene	13.774	128	1094997	167.187 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	293760	165.064 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

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

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

ICAL Form

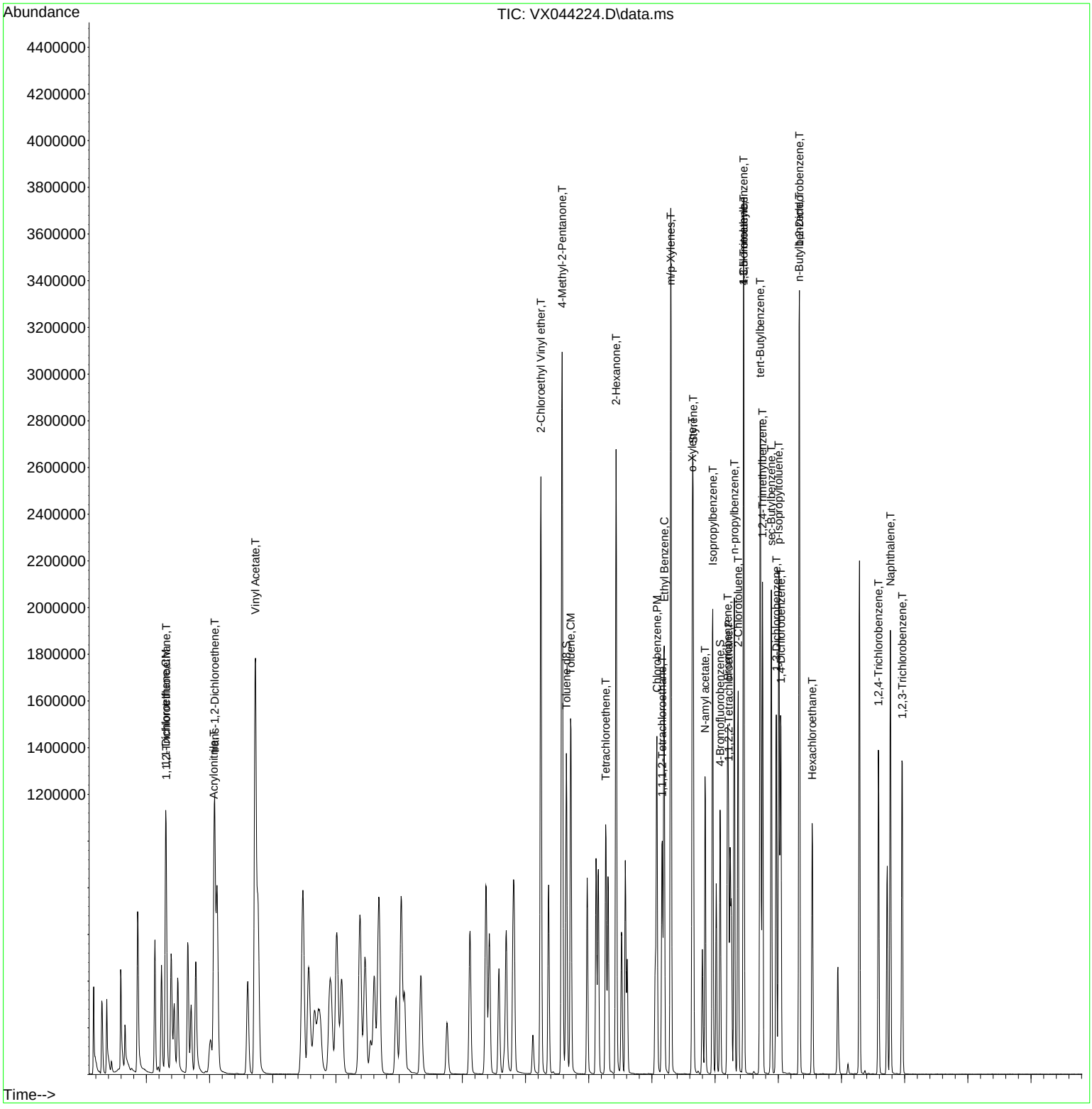
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044224.D
Acq On : 11 Dec 2024 13:00
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 12 04:16:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:11:59 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237295	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107407	45.646	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.300%			
35) Dibromofluoromethane	5.379	113	77619	47.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.460%			
50) Toluene-d8	8.647	98	271508	48.968	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.940%			
62) 4-Bromofluorobenzene	11.079	95	97061	50.098	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	104566	50.390	ug/l	98
3) Chloromethane	1.294	50	92633	46.681	ug/l	98
4) Vinyl Chloride	1.374	62	97702	47.260	ug/l	97
5) Bromomethane	1.593	94	67357	45.926	ug/l	99
6) Chloroethane	1.666	64	62821	48.801	ug/l	100
7) Trichlorofluoromethane	1.867	101	203619	50.311	ug/l	99
8) Diethyl Ether	2.136	74	63075	45.658	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	82498	50.374	ug/l	99
10) Methyl Iodide	2.441	142	100043	46.349	ug/l	100
11) Tert butyl alcohol	3.001	59	77494	233.680	ug/l	100
12) 1,1-Dichloroethene	2.306	96	74177	49.311	ug/l	99
13) Acrolein	2.233	56	111927	233.162	ug/l	97
14) Allyl chloride	2.654	41	124635	49.744	ug/l	100
15) Acrylonitrile	3.068	53	221037	240.620	ug/l	100
16) Acetone	2.386	43	260267	271.312	ug/l	98
17) Carbon Disulfide	2.501	76	149824	52.397	ug/l	98
18) Methyl Acetate	2.709	43	115569	46.725	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	281413	47.940	ug/l	99
20) Methylene Chloride	2.782	84	83188	46.170	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	77471	48.459	ug/l	98
22) Diisopropyl ether	3.763	45	264732	46.922	ug/l	98
23) Vinyl Acetate	3.721	43	1185779	258.510	ug/l	99
24) 1,1-Dichloroethane	3.605	63	151134	48.056	ug/l	98
25) 2-Butanone	4.562	43	346052	253.747	ug/l	100
26) 2,2-Dichloropropane	4.465	77	140196	54.872	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	94838	46.709	ug/l	99
28) Bromochloromethane	4.891	49	69139	44.832	ug/l	99
29) Tetrahydrofuran	5.007	42	208362	238.031	ug/l	98
30) Chloroform	5.092	83	163372	46.235	ug/l	94
31) Cyclohexane	5.458	56	125567	49.443	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	146348	49.895	ug/l	99
36) 1,1-Dichloropropene	5.684	75	106889	50.314	ug/l	98
37) Ethyl Acetate	4.721	43	137017	52.176	ug/l	99
38) Carbon Tetrachloride	5.672	117	118390	51.763	ug/l	97
39) Methylcyclohexane	7.373	83	139077	54.761	ug/l	99
40) Benzene	6.031	78	316391	49.052	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	68251	48.945 ug/l	98
42) 1,2-Dichloroethane	6.086	62	132744	49.960 ug/l	100
43) Isopropyl Acetate	6.342	43	211889	51.624 ug/l	100
44) Trichloroethene	7.123	130	80008	49.741 ug/l	98
45) 1,2-Dichloropropane	7.427	63	78321	47.528 ug/l	98
46) Dibromomethane	7.574	93	65491	51.227 ug/l	99
47) Bromodichloromethane	7.818	83	116783	52.893 ug/l	99
48) Methyl methacrylate	7.690	41	101318	50.852 ug/l	98
49) 1,4-Dioxane	7.665	88	30522m	923.966 ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	673069	255.038 ug/l	99
52) Toluene	8.714	92	199281	49.199 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	120696	50.864 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	128875	53.607 ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	81362	50.562 ug/l	96
56) Ethyl methacrylate	9.116	69	134357	52.890 ug/l	98
57) 1,3-Dichloropropane	9.305	76	137705	49.165 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	332599	259.586 ug/l	100
59) 2-Hexanone	9.433	43	519476	271.943 ug/l	99
60) Dibromochloromethane	9.518	129	83515	49.073 ug/l	99
61) 1,2-Dibromoethane	9.610	107	85024	51.909 ug/l	97
64) Tetrachloroethene	9.269	164	66669	47.702 ug/l	98
65) Chlorobenzene	10.079	112	217180	48.133 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	74531	51.396 ug/l	100
67) Ethyl Benzene	10.189	91	385605	49.461 ug/l	99
68) m/p-Xylenes	10.299	106	285774	99.896 ug/l	99
69) o-Xylene	10.640	106	144001	49.750 ug/l	98
70) Styrene	10.652	104	239508	51.617 ug/l	98
71) Bromoform	10.799	173	50972	50.269 ug/l #	99
73) Isopropylbenzene	10.963	105	374769	49.014 ug/l	99
74) N-amyl acetate	10.841	43	183763	52.003 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	126615	47.676 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103796m	46.544 ug/l	
77) Bromobenzene	11.195	156	87767	47.335 ug/l	99
78) n-propylbenzene	11.305	91	429443	50.816 ug/l	99
79) 2-Chlorotoluene	11.366	91	259860	47.546 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	313435	49.431 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	37038	47.861 ug/l	97
82) 4-Chlorotoluene	11.451	91	297641	49.178 ug/l	100
83) tert-Butylbenzene	11.713	119	309463	49.384 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	313433	50.333 ug/l	100
85) sec-Butylbenzene	11.890	105	381109	50.097 ug/l	100
86) p-Isopropyltoluene	12.006	119	320882	50.678 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	159094	49.122 ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	160742	48.280 ug/l	99
89) n-Butylbenzene	12.329	91	283284	53.207 ug/l	99
90) Hexachloroethane	12.536	117	48734	52.727 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	160039	47.589 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26738	51.864 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	99449	53.940 ug/l	98
94) Hexachlorobutadiene	13.725	225	37651	50.770 ug/l	98
95) Naphthalene	13.774	128	365781	50.827 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	100209	51.244 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

ICAL Form

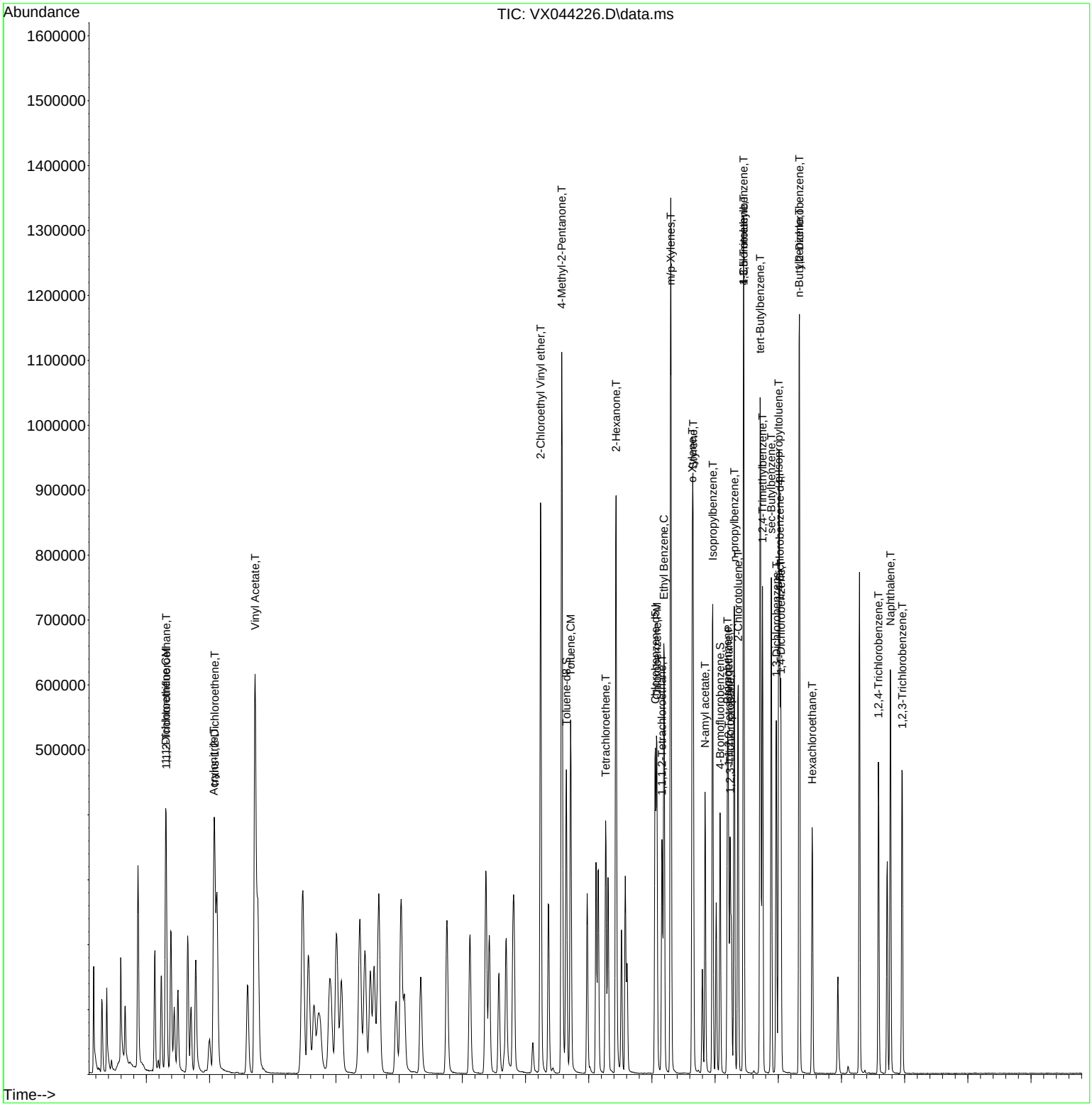
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Manual Integrations APPROVED

Reviewed By :John Carlone 12/12/2024
Supervised By :Mahesh Dadoda 12/12/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	107	0.00
2	T	Dichlorodifluoromethane	0.773	0.779	-0.8	106	0.00
3	P	Chloromethane	0.739	0.690	6.6	98	0.00
4	C	Vinyl Chloride	0.770	0.728	5.5#	99	0.00
5	T	Bromomethane	0.546	0.502	8.1	97	0.00
6	T	Chloroethane	0.480	0.468	2.5	94	0.00
7	T	Trichlorofluoromethane	1.508	1.517	-0.6	105	0.00
8	T	Diethyl Ether	0.515	0.470	8.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.610	0.615	-0.8	107	0.00
10	T	Methyl Iodide	0.804	0.745	7.3	94	0.00
11	T	Tert butyl alcohol	0.124	0.115	7.3	102	0.00
12	CM	1,1-Dichloroethene	0.560	0.553	1.3#	99	0.00
13	T	Acrolein	0.179	0.167	6.7	96	0.00
14	T	Allyl chloride	0.933	0.929	0.4	98	0.00
15	T	Acrylonitrile	0.342	0.329	3.8	98	0.00
16	T	Acetone	0.357	0.388	-8.7	109	0.00
17	T	Carbon Disulfide	1.065	1.116	-4.8	104	0.00
18	T	Methyl Acetate	0.922	0.861	6.6	96	0.00
19	T	Methyl tert-butyl Ether	2.187	2.097	4.1	97	0.00
20	T	Methylene Chloride	0.671	0.620	7.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.577	3.2	100	0.00
22	T	Diisopropyl ether	2.102	1.973	6.1	97	0.00
23	T	Vinyl Acetate	1.709	1.767	-3.4	99	0.00
24	P	1,1-Dichloroethane	1.172	1.126	3.9	97	0.00
25	T	2-Butanone	0.508	0.516	-1.6	100	0.00
26	T	2,2-Dichloropropane	0.952	1.045	-9.8	107	0.00
27	T	cis-1,2-Dichloroethene	0.756	0.707	6.5	98	0.00
28	T	Bromochloromethane	0.575	0.515	10.4	93	0.00
29	T	Tetrahydrofuran	0.326	0.311	4.6	98	0.00
30	C	Chloroform	1.316	1.217	7.5#	97	0.00
31	T	Cyclohexane	0.946	0.936	1.1	102	0.00
32	T	1,1,1-Trichloroethane	1.093	1.090	0.3	99	0.00
33	S	1,2-Dichloroethane-d4	0.877	0.800	8.8	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.346	0.327	5.5	91	0.00
36	T	1,1-Dichloropropene	0.448	0.450	-0.4	103	0.00
37	T	Ethyl Acetate	0.553	0.577	-4.3	101	0.00
38	T	Carbon Tetrachloride	0.482	0.499	-3.5	101	0.00
39	T	Methylcyclohexane	0.535	0.586	-9.5	107	0.00
40	TM	Benzene	1.359	1.333	1.9	96	0.00
41	T	Methacrylonitrile	0.294	0.288	2.0	97	0.00
42	TM	1,2-Dichloroethane	0.560	0.559	0.2	97	0.00
43	T	Isopropyl Acetate	0.865	0.893	-3.2	99	0.00
44	TM	Trichloroethene	0.339	0.337	0.6	98	0.00
45	C	1,2-Dichloropropane	0.347	0.330	4.9#	94	0.00
46	T	Dibromomethane	0.269	0.276	-2.6	98	0.00
47	T	Bromodichloromethane	0.465	0.492	-5.8	98	0.00
48	T	Methyl methacrylate	0.420	0.427	-1.7	98	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	0.007	0.006	14.3	87	0.00
50	S	Toluene-d8	1.168	1.144	2.1	93	0.00
51	T	4-Methyl-2-Pentanone	0.556	0.567	-2.0	98	0.00
52	CM	Toluene	0.853	0.840	1.5#	97	0.00
53	T	t-1,3-Dichloropropene	0.455	0.509	-11.9	101	0.00
54	T	cis-1,3-Dichloropropene	0.507	0.543	-7.1	97	0.00
55	T	1,1,2-Trichloroethane	0.339	0.343	-1.2	97	0.00
56	T	Ethyl methacrylate	0.535	0.566	-5.8	100	0.00
57	T	1,3-Dichloropropane	0.590	0.580	1.7	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.270	0.280	-3.7	97	0.00
59	T	2-Hexanone	0.403	0.438	-8.7	101	0.00
60	T	Dibromochloromethane	0.326	0.352	-8.0	97	0.00
61	T	1,2-Dibromoethane	0.345	0.358	-3.8	99	0.00
62	S	4-Bromofluorobenzene	0.408	0.409	-0.2	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.332	0.317	4.5	101	0.00
65	PM	Chlorobenzene	1.071	1.031	3.7	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.344	0.354	-2.9	97	0.00
67	C	Ethyl Benzene	1.851	1.831	1.1#	98	0.00
68	T	m/p-Xylenes	0.679	0.679	0.0	98	0.00
69	T	o-Xylene	0.687	0.684	0.4	100	0.00
70	T	Styrene	1.102	1.137	-3.2	100	0.00
71	P	Bromoform	0.219	0.242	-10.5	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.828	3.752	2.0	101	0.00
74	T	N-amyl acetate	1.769	1.840	-4.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.329	1.268	4.6	100	0.00
76	T	1,2,3-Trichloropropane	1.116	1.039	6.9	97	0.00
77	T	Bromobenzene	0.928	0.879	5.3	98	0.00
78	T	n-propylbenzene	4.231	4.300	-1.6	100	0.00
79	T	2-Chlorotoluene	2.736	2.602	4.9	98	0.00
80	T	1,3,5-Trimethylbenzene	3.174	3.138	1.1	100	0.00
81	T	trans-1,4-Dichloro-2-butene	0.347	0.371	-6.9	105	0.00
82	T	4-Chlorotoluene	3.030	2.980	1.7	100	0.00
83	T	tert-Butylbenzene	3.137	3.098	1.2	100	0.00
84	T	1,2,4-Trimethylbenzene	3.117	3.138	-0.7	100	0.00
85	T	sec-Butylbenzene	3.808	3.816	-0.2	100	0.00
86	T	p-Isopropyltoluene	3.170	3.213	-1.4	101	0.00
87	T	1,3-Dichlorobenzene	1.621	1.593	1.7	99	0.00
88	T	1,4-Dichlorobenzene	1.667	1.609	3.5	101	0.00
89	T	n-Butylbenzene	2.665	2.836	-6.4	105	0.00
90	T	Hexachloroethane	0.463	0.488	-5.4	101	0.00
91	T	1,2-Dichlorobenzene	1.683	1.602	4.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.268	-3.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.923	0.996	-7.9	107	0.00
94	T	Hexachlorobutadiene	0.371	0.377	-1.6	107	0.00
95	T	Naphthalene	3.603	3.662	-1.6	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	0.979	1.003	-2.5	103	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	107	0.00
2	T	Dichlorodifluoromethane	50.000	50.390	-0.8	106	0.00
3	P	Chloromethane	50.000	46.681	6.6	98	0.00
4	C	Vinyl Chloride	50.000	47.260	5.5#	99	0.00
5	T	Bromomethane	50.000	45.926	8.1	97	0.00
6	T	Chloroethane	50.000	48.801	2.4	94	0.00
7	T	Trichlorofluoromethane	50.000	50.311	-0.6	105	0.00
8	T	Diethyl Ether	50.000	45.658	8.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.374	-0.7	107	0.00
10	T	Methyl Iodide	50.000	46.349	7.3	94	0.00
11	T	Tert butyl alcohol	250.000	233.680	6.5	102	0.00
12	CM	1,1-Dichloroethene	50.000	49.311	1.4#	99	0.00
13	T	Acrolein	250.000	233.162	6.7	96	0.00
14	T	Allyl chloride	50.000	49.744	0.5	98	0.00
15	T	Acrylonitrile	250.000	240.620	3.8	98	0.00
16	T	Acetone	250.000	271.312	-8.5	109	0.00
17	T	Carbon Disulfide	50.000	52.397	-4.8	104	0.00
18	T	Methyl Acetate	50.000	46.725	6.5	96	0.00
19	T	Methyl tert-butyl Ether	50.000	47.940	4.1	97	0.00
20	T	Methylene Chloride	50.000	46.170	7.7	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.459	3.1	100	0.00
22	T	Diisopropyl ether	50.000	46.922	6.2	97	0.00
23	T	Vinyl Acetate	250.000	258.510	-3.4	99	0.00
24	P	1,1-Dichloroethane	50.000	48.056	3.9	97	0.00
25	T	2-Butanone	250.000	253.747	-1.5	100	0.00
26	T	2,2-Dichloropropane	50.000	54.872	-9.7	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.709	6.6	98	0.00
28	T	Bromochloromethane	50.000	44.832	10.3	93	0.00
29	T	Tetrahydrofuran	250.000	238.031	4.8	98	0.00
30	C	Chloroform	50.000	46.235	7.5#	97	0.00
31	T	Cyclohexane	50.000	49.443	1.1	102	0.00
32	T	1,1,1-Trichloroethane	50.000	49.895	0.2	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.646	8.7	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	47.228	5.5	91	0.00
36	T	1,1-Dichloropropene	50.000	50.314	-0.6	103	0.00
37	T	Ethyl Acetate	50.000	52.176	-4.4	101	0.00
38	T	Carbon Tetrachloride	50.000	51.763	-3.5	101	0.00
39	T	Methylcyclohexane	50.000	54.761	-9.5	107	0.00
40	TM	Benzene	50.000	49.052	1.9	96	0.00
41	T	Methacrylonitrile	50.000	48.945	2.1	97	0.00
42	TM	1,2-Dichloroethane	50.000	49.960	0.1	97	0.00
43	T	Isopropyl Acetate	50.000	51.624	-3.2	99	0.00
44	TM	Trichloroethene	50.000	49.741	0.5	98	0.00
45	C	1,2-Dichloropropane	50.000	47.528	4.9#	94	0.00
46	T	Dibromomethane	50.000	51.227	-2.5	98	0.00
47	T	Bromodichloromethane	50.000	52.893	-5.8	98	0.00
48	T	Methyl methacrylate	50.000	50.852	-1.7	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	923.966	7.6	87	0.00
50	S	Toluene-d8	50.000	48.968	2.1	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.038	-2.0	98	0.00
52	CM	Toluene	50.000	49.199	1.6#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	50.864	-1.7	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.607	-7.2	97	0.00
55	T	1,1,2-Trichloroethane	50.000	50.562	-1.1	97	0.00
56	T	Ethyl methacrylate	50.000	52.890	-5.8	100	0.00
57	T	1,3-Dichloropropane	50.000	49.165	1.7	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	259.586	-3.8	97	0.00
59	T	2-Hexanone	250.000	271.943	-8.8	101	0.00
60	T	Dibromochloromethane	50.000	49.073	1.9	97	0.00
61	T	1,2-Dibromoethane	50.000	51.909	-3.8	99	0.00
62	S	4-Bromofluorobenzene	50.000	50.098	-0.2	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	47.702	4.6	101	0.00
65	PM	Chlorobenzene	50.000	48.133	3.7	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.396	-2.8	97	0.00
67	C	Ethyl Benzene	50.000	49.461	1.1#	98	0.00
68	T	m/p-Xylenes	100.000	99.896	0.1	98	0.00
69	T	o-Xylene	50.000	49.750	0.5	100	0.00
70	T	Styrene	50.000	51.617	-3.2	100	0.00
71	P	Bromoform	50.000	50.269	-0.5	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.014	2.0	101	0.00
74	T	N-amyl acetate	50.000	52.003	-4.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.676	4.6	100	0.00
76	T	1,2,3-Trichloropropane	50.000	46.544	6.9	97	0.00
77	T	Bromobenzene	50.000	47.335	5.3	98	0.00
78	T	n-propylbenzene	50.000	50.816	-1.6	100	0.00
79	T	2-Chlorotoluene	50.000	47.546	4.9	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.431	1.1	100	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.861	4.3	105	0.00
82	T	4-Chlorotoluene	50.000	49.178	1.6	100	0.00
83	T	tert-Butylbenzene	50.000	49.384	1.2	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.333	-0.7	100	0.00
85	T	sec-Butylbenzene	50.000	50.097	-0.2	100	0.00
86	T	p-Isopropyltoluene	50.000	50.678	-1.4	101	0.00
87	T	1,3-Dichlorobenzene	50.000	49.122	1.8	99	0.00
88	T	1,4-Dichlorobenzene	50.000	48.280	3.4	101	0.00
89	T	n-Butylbenzene	50.000	53.207	-6.4	105	0.00
90	T	Hexachloroethane	50.000	52.727	-5.5	101	0.00
91	T	1,2-Dichlorobenzene	50.000	47.589	4.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.864	-3.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.940	-7.9	107	0.00
94	T	Hexachlorobutadiene	50.000	50.770	-1.5	107	0.00
95	T	Naphthalene	50.000	50.827	-1.7	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044226.D
Acq On : 11 Dec 2024 13:51
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX121124

Quant Time: Dec 12 04:32:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	51.244	-2.5	103	0.00

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

Raw Data: **VX044308.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG No.: P5288

Instrument ID: MSVOA_X Calibration Date/Time: 12/16/2024 08:58

Lab File ID: VX044308.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.773	0.794		2.72	20
Chloromethane	0.739	0.720	0.1	-2.57	20
Vinyl Chloride	0.770	0.735		-4.55	20
Ethyl Acetate	0.553	0.517		-6.51	20
Bromomethane	0.546	0.499		-8.61	20
Chloroethane	0.480	0.450		-6.25	20
Trichlorofluoromethane	1.508	1.490		-1.19	20
1,1,2-Trichlorotrifluoroethane	0.610	0.650		6.56	20
Tert butyl alcohol	0.124	0.108		-12.9	20
1,1-Dichloroethene	0.560	0.580		3.57	20
Acrolein	0.179	0.196		9.5	20
Acrylonitrile	0.342	0.316		-7.6	20
Acetone	0.357	0.399		11.77	20
Carbon Disulfide	1.065	1.223		14.84	20
Methyl tert-butyl Ether	2.187	2.109		-3.57	20
Methyl Acetate	0.922	0.830		-9.98	20
Methylene Chloride	0.671	0.649		-3.28	20
trans-1,2-Dichloroethene	0.596	0.599		0.5	20
Vinyl Acetate	1.709	1.767		3.39	20
1,1-Dichloroethane	1.172	1.189	0.1	1.45	20
Cyclohexane	0.946	0.966		2.11	20
2-Butanone	0.508	0.480		-5.51	20
Carbon Tetrachloride	0.482	0.526		9.13	20
2,2-Dichloropropane	0.952	1.079		13.34	20
cis-1,2-Dichloroethene	0.756	0.720		-4.76	20
Bromochloromethane	0.575	0.551		-4.17	20
Chloroform	1.316	1.264		-3.95	20
1,1,1-Trichloroethane	1.093	1.118		2.29	20
Methylcyclohexane	0.535	0.604		12.9	20
1,1-Dichloropropene	0.448	0.468		4.46	20
Benzene	1.359	1.384		1.84	20
1,2-Dichloroethane	0.560	0.564		0.71	20
Trichloroethene	0.339	0.347		2.36	20
1,2-Dichloropropane	0.347	0.340		-2.02	20
Dibromomethane	0.269	0.273		1.49	20
Bromodichloromethane	0.465	0.508		9.25	20
4-Methyl-2-Pentanone	0.556	0.506		-8.99	20
Toluene	0.853	0.830		-2.7	20

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

Raw Data: **VX044308.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG No.: P5288

Instrument ID: MSVOA_X Calibration Date/Time: 12/16/2024 08:58

Lab File ID: VX044308.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.455	0.509		11.87	20
cis-1,3-Dichloropropene	0.507	0.550		8.48	20
1,1,2-Trichloroethane	0.339	0.332		-2.07	20
1,3-Dichloropropane	0.590	0.575		-2.54	20
2-Chloroethyl Vinyl ether	0.270	0.264		-2.22	20
2-Hexanone	0.403	0.393		-2.48	20
Dibromochloromethane	0.326	0.357		9.51	20
1,2-Dibromoethane	0.345	0.350		1.45	20
Tetrachloroethene	0.332	0.342		3.01	20
Chlorobenzene	1.071	1.071	0.3	0	20
1,1,1,2-Tetrachloroethane	0.344	0.381		10.76	20
Hexachloroethane	0.463	0.546		17.93	20
Ethyl Benzene	1.851	1.926		4	20
m/p-Xylenes	0.679	0.710		4.57	20
o-Xylene	0.687	0.689		0.29	20
Styrene	1.102	1.176		6.72	20
Bromoform	0.219	0.257	0.1	17.35	20
Isopropylbenzene	3.828	3.954		3.29	20
1,1,2,2-Tetrachloroethane	1.329	1.243	0.3	-6.47	20
1,2,3-Trichloropropane	1.116	1.051		-5.82	20
Bromobenzene	0.928	0.880		-5.17	20
n-propylbenzene	4.231	4.413		4.3	20
2-Chlorotoluene	2.736	2.632		-3.8	20
1,3,5-Trimethylbenzene	3.174	3.191		0.54	20
4-Chlorotoluene	3.030	3.096		2.18	20
tert-Butylbenzene	3.137	3.108		-0.92	20
1,2,4-Trimethylbenzene	3.117	3.202		2.73	20
sec-Butylbenzene	3.808	4.017		5.49	20
p-Isopropyltoluene	3.170	3.392		7	20
1,3-Dichlorobenzene	1.621	1.669		2.96	20
1,4-Dichlorobenzene	1.667	1.689		1.32	20
n-Butylbenzene	2.665	3.022		13.4	20
1,2-Dichlorobenzene	1.684	1.724		2.38	20
1,2-Dibromo-3-Chloropropane	0.258	0.261		1.16	20
1,2,4-Trichlorobenzene	0.923	1.012		9.64	20
Hexachlorobutadiene	0.371	0.389		4.85	20
Naphthalene	3.603	3.675		2	20
1,2,3-Trichlorobenzene	0.979	1.000		2.14	20

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

Raw Data: **VX044308.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5288 SAS No.: P5288 SDG No.: P5288

Instrument ID: MSVOA_X Calibration Date/Time: 12/16/2024 08:58

Lab File ID: VX044308.D Init. Calib. Date(s): 12/11/2024 12/11/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:41 13:00

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.877	0.799		-8.89	20
Dibromofluoromethane	0.346	0.341		-1.45	20
Toluene-d8	1.168	1.142		-2.23	20
4-Bromofluorobenzene	0.408	0.395		-3.19	20

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

Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	139378	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	244474	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111334	45.559	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.120%			
35) Dibromofluoromethane	5.379	113	83428	49.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	8.641	98	279261	48.887	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.780%			
62) 4-Bromofluorobenzene	11.079	95	96647	48.419	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	110626	51.331	ug/l	98
3) Chloromethane	1.294	50	100403	48.718	ug/l	98
4) Vinyl Chloride	1.374	62	102385	47.686	ug/l	96
5) Bromomethane	1.599	94	69588	45.685	ug/l	97
6) Chloroethane	1.666	64	62712	46.907	ug/l	97
7) Trichlorofluoromethane	1.867	101	207694	49.412	ug/l	98
8) Diethyl Ether	2.130	74	61938	43.170	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	90544	53.234	ug/l	99
10) Methyl Iodide	2.441	142	104644	46.681	ug/l	99
11) Tert butyl alcohol	3.007	59	75206	218.361	ug/l	99
12) 1,1-Dichloroethene	2.306	96	80782	51.708	ug/l	98
13) Acrolein	2.233	56	136673	274.141	ug/l	99
14) Allyl chloride	2.654	41	134997	51.879	ug/l	99
15) Acrylonitrile	3.062	53	220146	230.752	ug/l	99
16) Acetone	2.380	43	277963	279.001	ug/l	97
17) Carbon Disulfide	2.502	76	170467	57.403	ug/l	100
18) Methyl Acetate	2.703	43	115672	45.030	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	293948	48.216	ug/l	99
20) Methylene Chloride	2.782	84	90461	48.342	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	83553	50.323	ug/l	96
22) Diisopropyl ether	3.757	45	285903	48.792	ug/l	98
23) Vinyl Acetate	3.715	43	1231090	258.424	ug/l	99
24) 1,1-Dichloroethane	3.599	63	165751	50.747	ug/l	99
25) 2-Butanone	4.556	43	334703	236.313	ug/l	99
26) 2,2-Dichloropropane	4.458	77	150352	56.662	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	100284	47.558	ug/l	99
28) Bromochloromethane	4.885	49	76752	47.920	ug/l	97
29) Tetrahydrofuran	5.001	42	194173	213.585	ug/l	99
30) Chloroform	5.080	83	176157	48.002	ug/l	99
31) Cyclohexane	5.452	56	134608	51.035	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	155855	51.164	ug/l	98
36) 1,1-Dichloropropene	5.684	75	114418	52.277	ug/l	100
37) Ethyl Acetate	4.708	43	126299	46.682	ug/l	99
38) Carbon Tetrachloride	5.666	117	128566	54.561	ug/l	96
39) Methylcyclohexane	7.373	83	147614	56.416	ug/l	97
40) Benzene	6.025	78	338436	50.929	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	64755	45.074 ug/l	97
42) 1,2-Dichloroethane	6.074	62	137831	50.351 ug/l	99
43) Isopropyl Acetate	6.336	43	203384	48.097 ug/l	100
44) Trichloroethene	7.117	130	84716	51.122 ug/l	98
45) 1,2-Dichloropropane	7.421	63	83040	48.912 ug/l	99
46) Dibromomethane	7.574	93	66712	50.650 ug/l	99
47) Bromodichloromethane	7.812	83	124250	54.622 ug/l	98
48) Methyl methacrylate	7.690	41	94819	46.192 ug/l	98
49) 1,4-Dioxane	7.659	88	28971	851.260 ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	618153	227.351 ug/l	99
52) Toluene	8.714	92	203030	48.652 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	124383	50.878 ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	134510	54.308 ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	81180	48.968 ug/l	96
56) Ethyl methacrylate	9.116	69	131035	50.067 ug/l	97
57) 1,3-Dichloropropane	9.305	76	140579	48.717 ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	322186	244.075 ug/l	100
59) 2-Hexanone	9.427	43	480115	243.957 ug/l	100
60) Dibromochloromethane	9.519	129	87323	49.756 ug/l	97
61) 1,2-Dibromoethane	9.604	107	85604	50.729 ug/l	97
64) Tetrachloroethene	9.269	164	70444	51.556 ug/l	93
65) Chlorobenzene	10.073	112	220448	49.974 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	78369	55.279 ug/l	99
67) Ethyl Benzene	10.189	91	396393	52.007 ug/l	98
68) m/p-Xylenes	10.299	106	292255	104.497 ug/l	98
69) o-Xylene	10.640	106	141788	50.106 ug/l	100
70) Styrene	10.652	104	242125	53.374 ug/l	97
71) Bromoform	10.799	173	52920	53.004 ug/l #	99
73) Isopropylbenzene	10.957	105	379505	51.656 ug/l	99
74) N-amyl acetate	10.841	43	170652	50.260 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	119271	46.740 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100840m	47.061 ug/l	
77) Bromobenzene	11.195	156	84496	47.428 ug/l	98
78) n-propylbenzene	11.299	91	423538	52.159 ug/l	100
79) 2-Chlorotoluene	11.360	91	252548	48.090 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	306219	50.261 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	36024	48.379 ug/l	97
82) 4-Chlorotoluene	11.451	91	297134	51.095 ug/l	98
83) tert-Butylbenzene	11.713	119	298265	49.536 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	307294	51.358 ug/l	100
85) sec-Butylbenzene	11.890	105	385516	52.741 ug/l	99
86) p-Isopropyltoluene	12.006	119	325542	53.509 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	160182	51.473 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	162126	50.680 ug/l	98
89) n-Butylbenzene	12.329	91	290065	56.700 ug/l	99
90) Hexachloroethane	12.536	117	52370	58.969 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	165459	51.206 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25002	50.472 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	97086	54.804 ug/l	98
94) Hexachlorobutadiene	13.725	225	37294	52.338 ug/l	97
95) Naphthalene	13.774	128	352655	50.999 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	95989	51.086 ug/l	99

Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
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 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

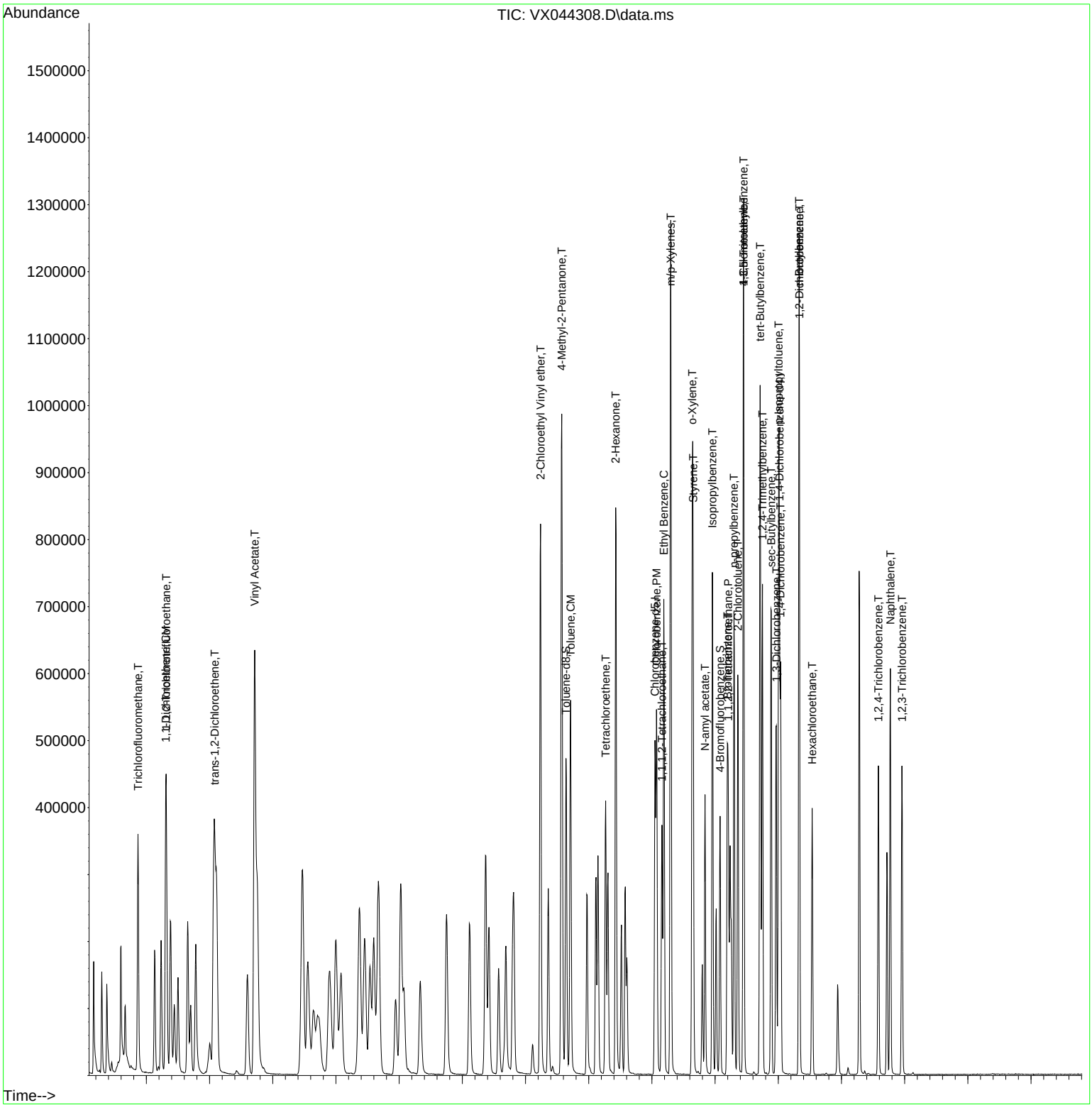
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024



Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	111	-0.01
2	T	Dichlorodifluoromethane	0.773	0.794	-2.7	112	0.00
3	P	Chloromethane	0.739	0.720	2.6	106	0.00
4	C	Vinyl Chloride	0.770	0.735	4.5#	104	0.00
5	T	Bromomethane	0.546	0.499	8.6	100	0.00
6	T	Chloroethane	0.480	0.450	6.2	94	0.00
7	T	Trichlorofluoromethane	1.508	1.490	1.2	107	0.00
8	T	Diethyl Ether	0.515	0.444	13.8	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.610	0.650	-6.6	117	0.00
10	T	Methyl Iodide	0.804	0.751	6.6	98	0.00
11	T	Tert butyl alcohol	0.124	0.108	12.9	99	0.01
12	CM	1,1-Dichloroethene	0.560	0.580	-3.6#	108	0.00
13	T	Acrolein	0.179	0.196	-9.5	118	0.00
14	T	Allyl chloride	0.933	0.969	-3.9	106	0.00
15	T	Acrylonitrile	0.342	0.316	7.6	98	0.00
16	T	Acetone	0.357	0.399	-11.8	116	-0.01
17	T	Carbon Disulfide	1.065	1.223	-14.8	118	0.00
18	T	Methyl Acetate	0.922	0.830	10.0	97	0.00
19	T	Methyl tert-butyl Ether	2.187	2.109	3.6	101	0.00
20	T	Methylene Chloride	0.671	0.649	3.3	104	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.599	-0.5	107	0.00
22	T	Diisopropyl ether	2.102	2.051	2.4	105	0.00
23	T	Vinyl Acetate	1.709	1.767	-3.4	102	0.00
24	P	1,1-Dichloroethane	1.172	1.189	-1.5	106	0.00
25	T	2-Butanone	0.508	0.480	5.5	97	0.00
26	T	2,2-Dichloropropane	0.952	1.079	-13.3	114	0.00
27	T	cis-1,2-Dichloroethene	0.756	0.720	4.8	103	0.00
28	T	Bromochloromethane	0.575	0.551	4.2	103	-0.01
29	T	Tetrahydrofuran	0.326	0.279	14.4	92	0.00
30	C	Chloroform	1.316	1.264	4.0#	104	0.00
31	T	Cyclohexane	0.946	0.966	-2.1	110	-0.01
32	T	1,1,1-Trichloroethane	1.093	1.118	-2.3	105	-0.01
33	S	1,2-Dichloroethane-d4	0.877	0.799	8.9	96	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.346	0.341	1.4	97	0.00
36	T	1,1-Dichloropropene	0.448	0.468	-4.5	110	0.00
37	T	Ethyl Acetate	0.553	0.517	6.5	93	-0.01
38	T	Carbon Tetrachloride	0.482	0.526	-9.1	110	0.00
39	T	Methylcyclohexane	0.535	0.604	-12.9	114	0.00
40	TM	Benzene	1.359	1.384	-1.8	103	0.00
41	T	Methacrylonitrile	0.294	0.265	9.9	92	0.00
42	TM	1,2-Dichloroethane	0.560	0.564	-0.7	101	-0.01
43	T	Isopropyl Acetate	0.865	0.832	3.8	95	0.00
44	TM	Trichloroethene	0.339	0.347	-2.4	104	0.00
45	C	1,2-Dichloropropane	0.347	0.340	2.0#	100	0.00
46	T	Dibromomethane	0.269	0.273	-1.5	100	0.00
47	T	Bromodichloromethane	0.465	0.508	-9.2	105	-0.01
48	T	Methyl methacrylate	0.420	0.388	7.6	91	0.00

Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	0.007	0.006	14.3	82	-0.01
50	S	Toluene-d8	1.168	1.142	2.2	96	0.00
51	T	4-Methyl-2-Pentanone	0.556	0.506	9.0	90	0.00
52	CM	Toluene	0.853	0.830	2.7#	99	0.00
53	T	t-1,3-Dichloropropene	0.455	0.509	-11.9	104	0.00
54	T	cis-1,3-Dichloropropene	0.507	0.550	-8.5	102	0.00
55	T	1,1,2-Trichloroethane	0.339	0.332	2.1	97	0.00
56	T	Ethyl methacrylate	0.535	0.536	-0.2	97	0.00
57	T	1,3-Dichloropropane	0.590	0.575	2.5	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.270	0.264	2.2	94	0.00
59	T	2-Hexanone	0.403	0.393	2.5	94	0.00
60	T	Dibromochloromethane	0.326	0.357	-9.5	101	0.00
61	T	1,2-Dibromoethane	0.345	0.350	-1.4	99	0.00
62	S	4-Bromofluorobenzene	0.408	0.395	3.2	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	T	Tetrachloroethene	0.332	0.342	-3.0	107	0.00
65	PM	Chlorobenzene	1.071	1.071	0.0	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.344	0.381	-10.8	102	0.00
67	C	Ethyl Benzene	1.851	1.925	-4.0#	100	0.00
68	T	m/p-Xylenes	0.679	0.710	-4.6	101	0.00
69	T	o-Xylene	0.687	0.689	-0.3	98	0.00
70	T	Styrene	1.102	1.176	-6.7	102	0.00
71	P	Bromoform	0.219	0.257	-17.4	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73	T	Isopropylbenzene	3.828	3.954	-3.3	102	0.00
74	T	N-amyl acetate	1.769	1.778	-0.5	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.329	1.243	6.5	94	0.00
76	T	1,2,3-Trichloropropane	1.116	1.051	5.8	94	0.00
77	T	Bromobenzene	0.928	0.880	5.2	94	0.00
78	T	n-propylbenzene	4.231	4.413	-4.3	99	0.00
79	T	2-Chlorotoluene	2.736	2.632	3.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.174	3.191	-0.5	97	0.00
81	T	trans-1,4-Dichloro-2-butene	0.347	0.375	-8.1	103	0.00
82	T	4-Chlorotoluene	3.030	3.096	-2.2	100	0.00
83	T	tert-Butylbenzene	3.137	3.108	0.9	96	0.00
84	T	1,2,4-Trimethylbenzene	3.117	3.202	-2.7	98	0.00
85	T	sec-Butylbenzene	3.808	4.017	-5.5	102	0.00
86	T	p-Isopropyltoluene	3.170	3.392	-7.0	102	0.00
87	T	1,3-Dichlorobenzene	1.621	1.669	-3.0	100	0.00
88	T	1,4-Dichlorobenzene	1.667	1.689	-1.3	102	0.00
89	T	n-Butylbenzene	2.665	3.022	-13.4	107	0.00
90	T	Hexachloroethane	0.463	0.546	-17.9	108	0.00
91	T	1,2-Dichlorobenzene	1.683	1.724	-2.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.258	0.261	-1.2	96	0.00
93	T	1,2,4-Trichlorobenzene	0.923	1.012	-9.6	104	0.00
94	T	Hexachlorobutadiene	0.371	0.389	-4.9	106	0.00
95	T	Naphthalene	3.603	3.675	-2.0	97	0.00

Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	0.979	1.000	-2.1	99	0.00

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

Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	111	-0.01
2	T	Dichlorodifluoromethane	50.000	51.331	-2.7	112	0.00
3	P	Chloromethane	50.000	48.718	2.6	106	0.00
4	C	Vinyl Chloride	50.000	47.686	4.6#	104	0.00
5	T	Bromomethane	50.000	45.685	8.6	100	0.00
6	T	Chloroethane	50.000	46.907	6.2	94	0.00
7	T	Trichlorofluoromethane	50.000	49.412	1.2	107	0.00
8	T	Diethyl Ether	50.000	43.170	13.7	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.234	-6.5	117	0.00
10	T	Methyl Iodide	50.000	46.681	6.6	98	0.00
11	T	Tert butyl alcohol	250.000	218.361	12.7	99	0.01
12	CM	1,1-Dichloroethene	50.000	51.708	-3.4#	108	0.00
13	T	Acrolein	250.000	274.141	-9.7	118	0.00
14	T	Allyl chloride	50.000	51.879	-3.8	106	0.00
15	T	Acrylonitrile	250.000	230.752	7.7	98	0.00
16	T	Acetone	250.000	279.001	-11.6	116	-0.01
17	T	Carbon Disulfide	50.000	57.403	-14.8	118	0.00
18	T	Methyl Acetate	50.000	45.030	9.9	97	0.00
19	T	Methyl tert-butyl Ether	50.000	48.216	3.6	101	0.00
20	T	Methylene Chloride	50.000	48.342	3.3	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.323	-0.6	107	0.00
22	T	Diisopropyl ether	50.000	48.792	2.4	105	0.00
23	T	Vinyl Acetate	250.000	258.424	-3.4	102	0.00
24	P	1,1-Dichloroethane	50.000	50.747	-1.5	106	0.00
25	T	2-Butanone	250.000	236.313	5.5	97	0.00
26	T	2,2-Dichloropropane	50.000	56.662	-13.3	114	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.558	4.9	103	0.00
28	T	Bromochloromethane	50.000	47.920	4.2	103	-0.01
29	T	Tetrahydrofuran	250.000	213.585	14.6	92	0.00
30	C	Chloroform	50.000	48.002	4.0#	104	0.00
31	T	Cyclohexane	50.000	51.035	-2.1	110	-0.01
32	T	1,1,1-Trichloroethane	50.000	51.164	-2.3	105	-0.01
33	S	1,2-Dichloroethane-d4	50.000	45.559	8.9	96	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.272	1.5	97	0.00
36	T	1,1-Dichloropropene	50.000	52.277	-4.6	110	0.00
37	T	Ethyl Acetate	50.000	46.682	6.6	93	-0.01
38	T	Carbon Tetrachloride	50.000	54.561	-9.1	110	0.00
39	T	Methylcyclohexane	50.000	56.416	-12.8	114	0.00
40	TM	Benzene	50.000	50.929	-1.9	103	0.00
41	T	Methacrylonitrile	50.000	45.074	9.9	92	0.00
42	TM	1,2-Dichloroethane	50.000	50.351	-0.7	101	-0.01
43	T	Isopropyl Acetate	50.000	48.097	3.8	95	0.00
44	TM	Trichloroethene	50.000	51.122	-2.2	104	0.00
45	C	1,2-Dichloropropane	50.000	48.912	2.2#	100	0.00
46	T	Dibromomethane	50.000	50.650	-1.3	100	0.00
47	T	Bromodichloromethane	50.000	54.622	-9.2	105	-0.01
48	T	Methyl methacrylate	50.000	46.192	7.6	91	0.00

Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	851.260	14.9	82	-0.01
50	S	Toluene-d8	50.000	48.887	2.2	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	227.351	9.1	90	0.00
52	CM	Toluene	50.000	48.652	2.7#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	50.878	-1.8	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.308	-8.6	102	0.00
55	T	1,1,2-Trichloroethane	50.000	48.968	2.1	97	0.00
56	T	Ethyl methacrylate	50.000	50.067	-0.1	97	0.00
57	T	1,3-Dichloropropane	50.000	48.717	2.6	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	244.075	2.4	94	0.00
59	T	2-Hexanone	250.000	243.957	2.4	94	0.00
60	T	Dibromochloromethane	50.000	49.756	0.5	101	0.00
61	T	1,2-Dibromoethane	50.000	50.729	-1.5	99	0.00
62	S	4-Bromofluorobenzene	50.000	48.419	3.2	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64	T	Tetrachloroethene	50.000	51.556	-3.1	107	0.00
65	PM	Chlorobenzene	50.000	49.974	0.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.279	-10.6	102	0.00
67	C	Ethyl Benzene	50.000	52.007	-4.0#	100	0.00
68	T	m/p-Xylenes	100.000	104.497	-4.5	101	0.00
69	T	o-Xylene	50.000	50.106	-0.2	98	0.00
70	T	Styrene	50.000	53.374	-6.7	102	0.00
71	P	Bromoform	50.000	53.004	-6.0	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73	T	Isopropylbenzene	50.000	51.656	-3.3	102	0.00
74	T	N-amyl acetate	50.000	50.260	-0.5	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.740	6.5	94	0.00
76	T	1,2,3-Trichloropropane	50.000	47.061	5.9	94	0.00
77	T	Bromobenzene	50.000	47.428	5.1	94	0.00
78	T	n-propylbenzene	50.000	52.159	-4.3	99	0.00
79	T	2-Chlorotoluene	50.000	48.090	3.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.261	-0.5	97	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.379	3.2	103	0.00
82	T	4-Chlorotoluene	50.000	51.095	-2.2	100	0.00
83	T	tert-Butylbenzene	50.000	49.536	0.9	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.358	-2.7	98	0.00
85	T	sec-Butylbenzene	50.000	52.741	-5.5	102	0.00
86	T	p-Isopropyltoluene	50.000	53.509	-7.0	102	0.00
87	T	1,3-Dichlorobenzene	50.000	51.473	-2.9	100	0.00
88	T	1,4-Dichlorobenzene	50.000	50.680	-1.4	102	0.00
89	T	n-Butylbenzene	50.000	56.700	-13.4	107	0.00
90	T	Hexachloroethane	50.000	58.969	-17.9	108	0.00
91	T	1,2-Dichlorobenzene	50.000	51.206	-2.4	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.472	-0.9	96	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.804	-9.6	104	0.00
94	T	Hexachlorobutadiene	50.000	52.338	-4.7	106	0.00
95	T	Naphthalene	50.000	50.999	-2.0	97	0.00

Sample Results: **VX044308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044308.D
Acq On : 16 Dec 2024 08:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Dec 17 00:42:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 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	51.086	-2.2	99	0.00

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

QC SAMPLE DATA

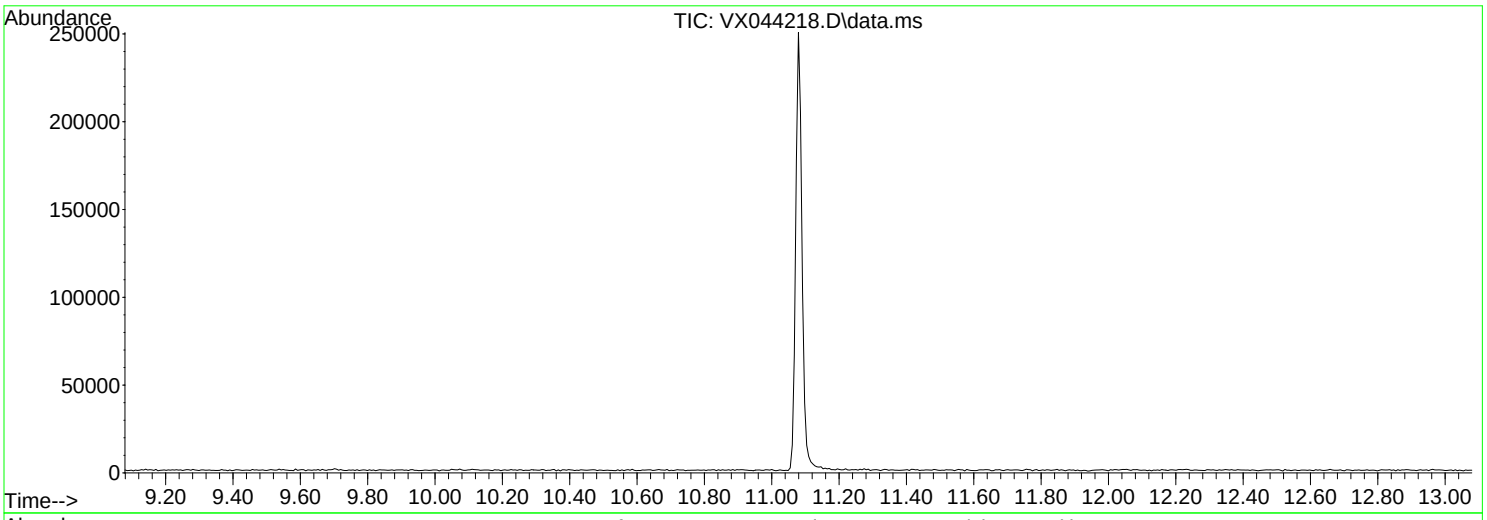
Sample Results: **VX044218.D**

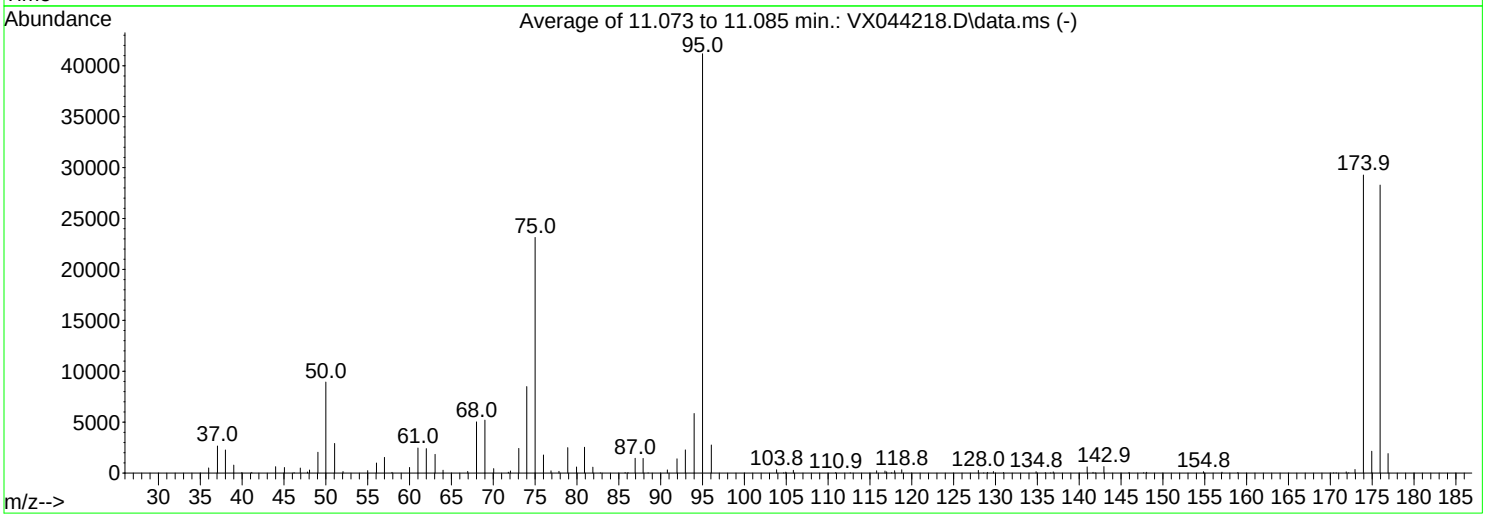
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121124\
Data File : VX044218.D
Acq On : 11 Dec 2024 10:13
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 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	21.7	8939	PASS
75	95	30	60	56.2	23141	PASS
95	95	100	100	100.0	41184	PASS
96	95	5	9	6.7	2759	PASS
173	174	0.00	2	1.2	353	PASS
174	95	50	100	71.1	29272	PASS
175	174	5	9	7.3	2147	PASS
176	174	95	101	96.6	28285	PASS
177	176	5	9	6.8	1915	PASS

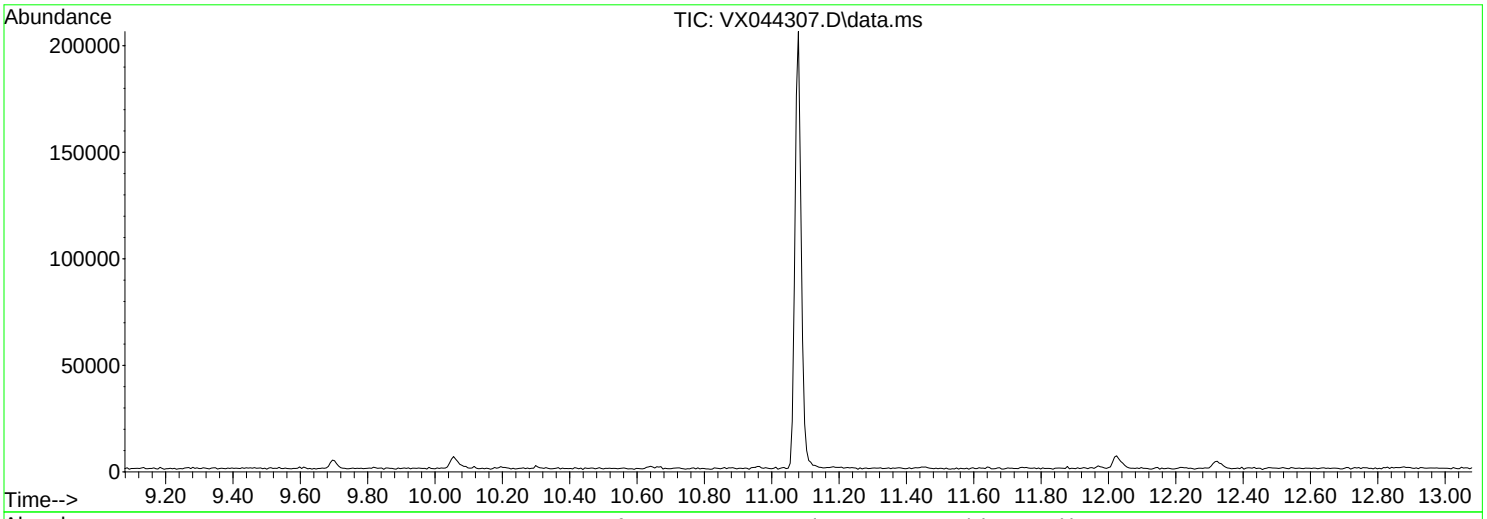
Sample Results: **VX044307.D**

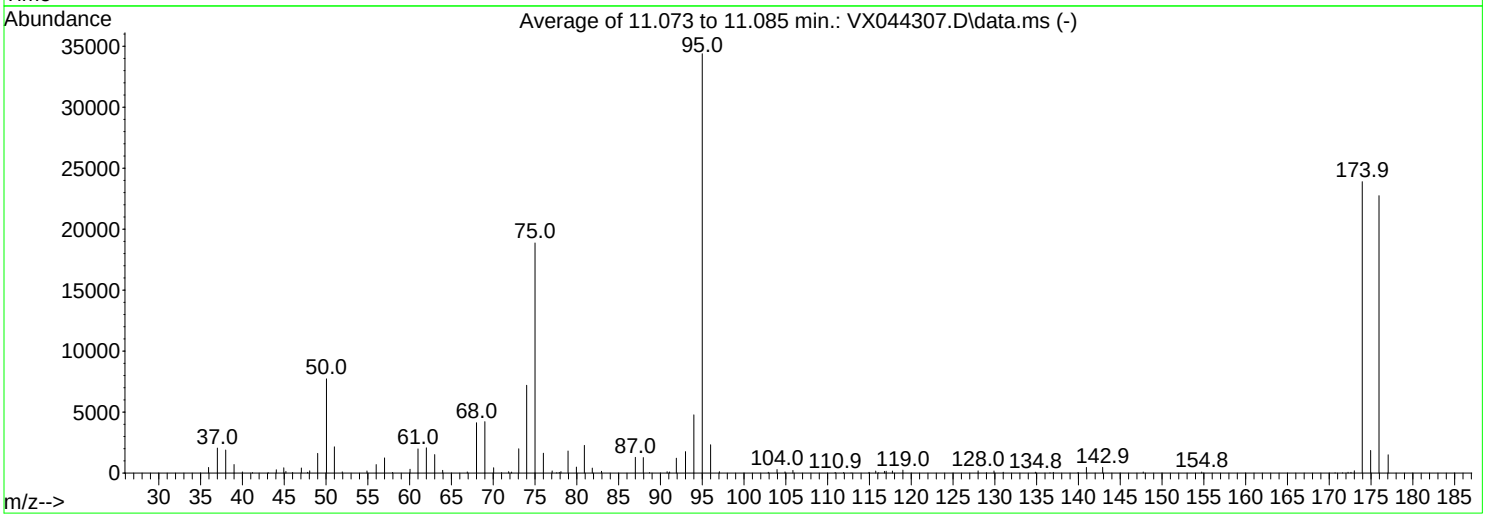
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044307.D
Acq On : 16 Dec 2024 08:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Title : SW846 8260
Last Update : Thu Dec 12 04:28:14 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	22.5	7728	PASS
75	95	30	60	54.9	18870	PASS
95	95	100	100	100.0	34387	PASS
96	95	5	9	6.8	2324	PASS
173	174	0.00	2	0.8	190	PASS
174	95	50	100	69.5	23896	PASS
175	174	5	9	7.8	1855	PASS
176	174	95	101	95.2	22747	PASS
177	176	5	9	6.6	1501	PASS

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBL01	SDG No.:	P5288
Lab Sample ID:	VX1216WBL01	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
VX044310.D	1		12/16/24 09:50	VX121624

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

Raw Data: **VX044310.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBL01	SDG No.:	P5288
Lab Sample ID:	VX1216WBL01	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
VX044310.D	1		12/16/24 09:50	VX121624

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

Raw Data: **VX044310.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBL01	SDG No.:	P5288
Lab Sample ID:	VX1216WBL01	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
VX044310.D	1		12/16/24 09:50	VX121624

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	47.5		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	51.6		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	5.544			
540-36-3	1,4-Difluorobenzene	254000	6.751			
3114-55-4	Chlorobenzene-d5	222000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	94800	12.018			

Raw Data: **VX044310.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBL01	SDG No.:	P5288
Lab Sample ID:	VX1216WBL01	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
VX044310.D	1		12/16/24 09:50	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX044310.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044310.D
Acq On : 16 Dec 2024 09:50
Operator : JC/MD
Sample : VX1216WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

Quant Time: Dec 17 00:44:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	253656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	222159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112287	47.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.000%			
35) Dibromofluoromethane	5.379	113	82208	46.794	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.580%			
50) Toluene-d8	8.647	98	305541	51.551	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.100%			
62) 4-Bromofluorobenzene	11.079	95	102368	49.429	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.860%			
Target Compounds						Qvalue

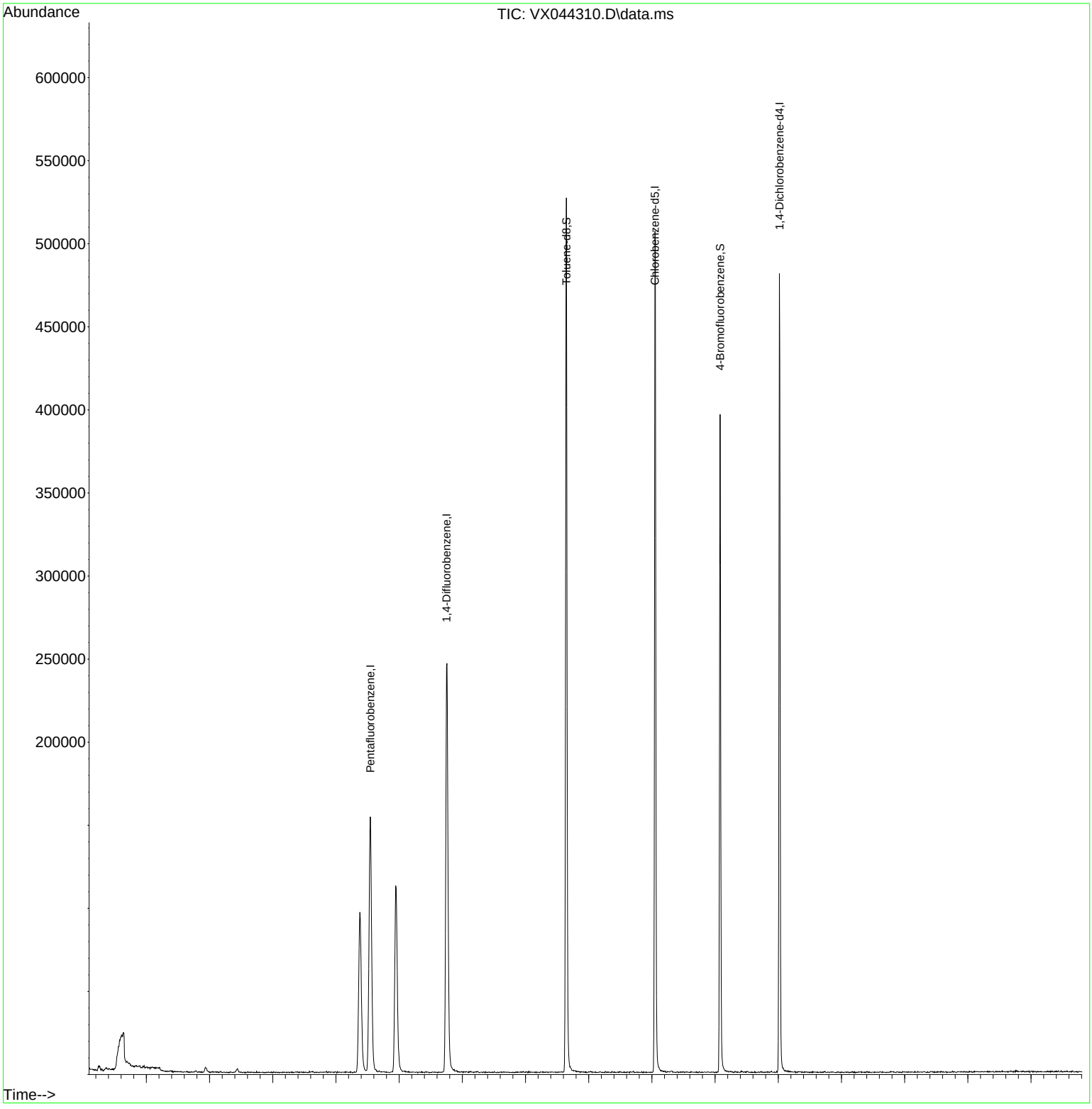
(#) = qualifier out of range (m) = manual integration (+) = signals summed

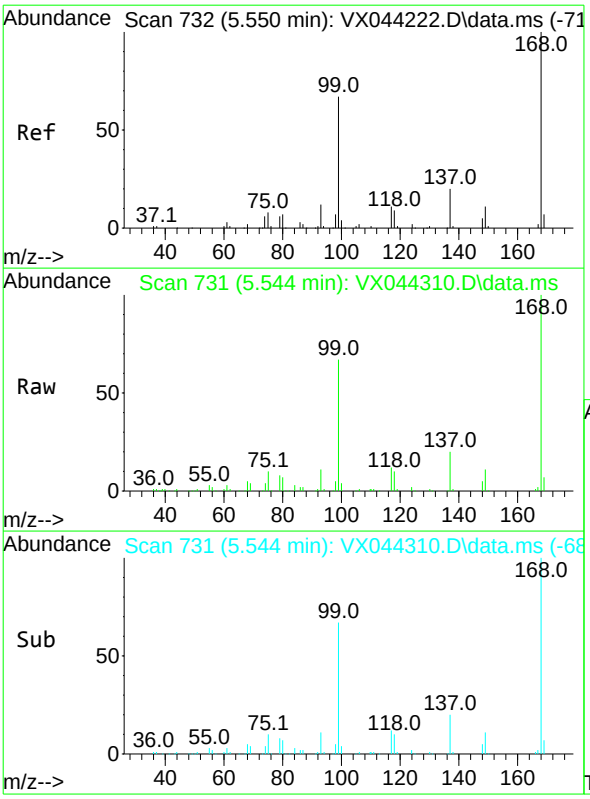
Sample Results: **VX044310.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044310.D
Acq On : 16 Dec 2024 09:50
Operator : JC/MD
Sample : VX1216WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

Quant Time: Dec 17 00:44:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration



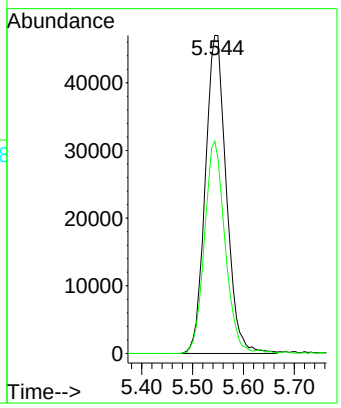


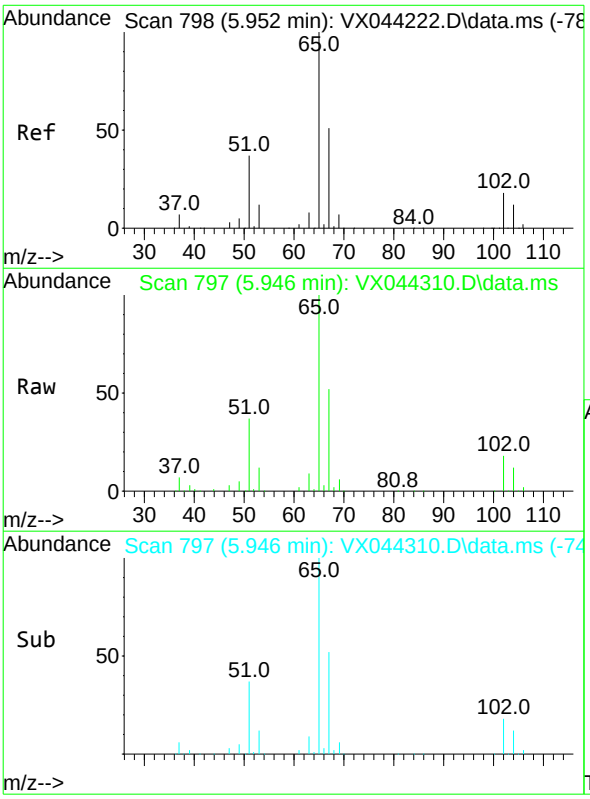
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

Tgt Ion:168 Resp: 134837

Ion	Ratio	Lower	Upper
168	100		
99	66.8	53.4	80.0

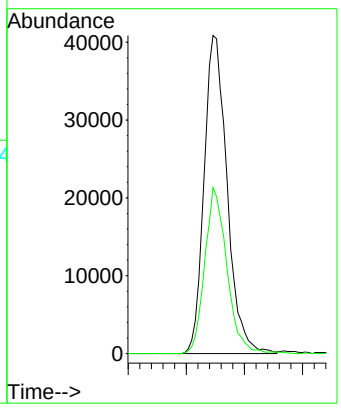


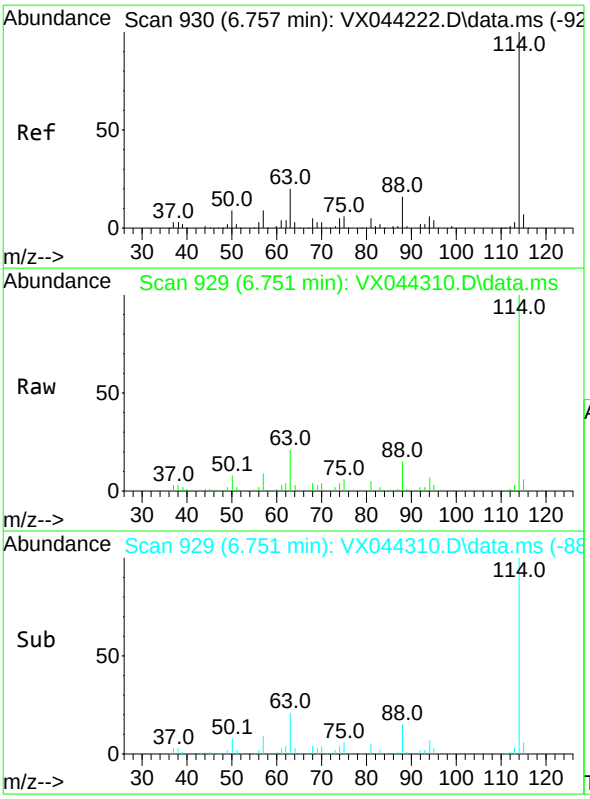


#33
1,2-Dichloroethane-d4
Concen: 47.496 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Tgt Ion: 65 Resp: 112287

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	101.6



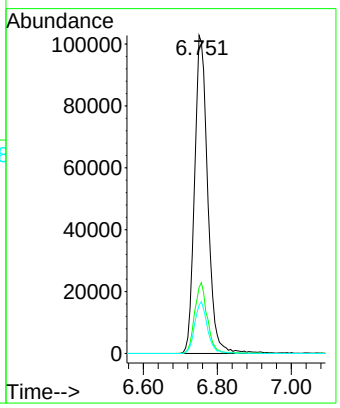


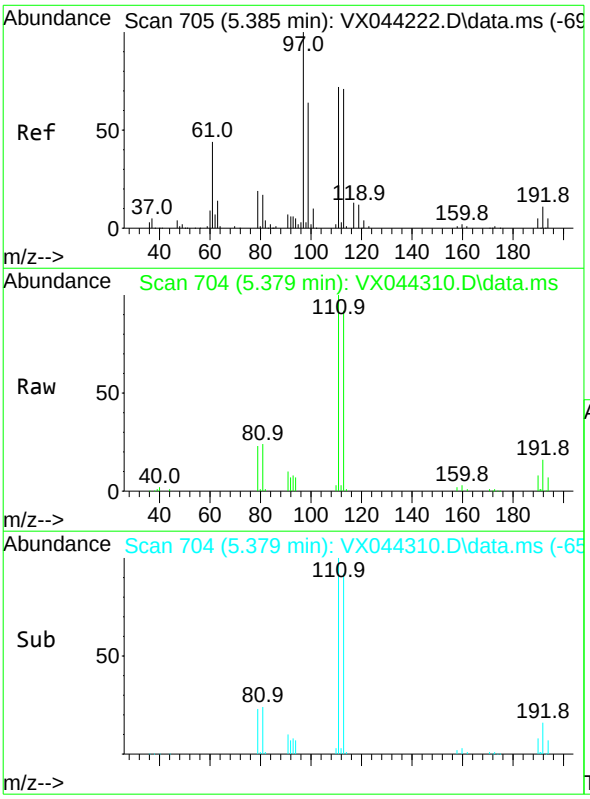
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 92
Delta R.T. -0.006 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

Tgt Ion:114 Resp: 253656

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.6
88	15.2	0.0	31.8

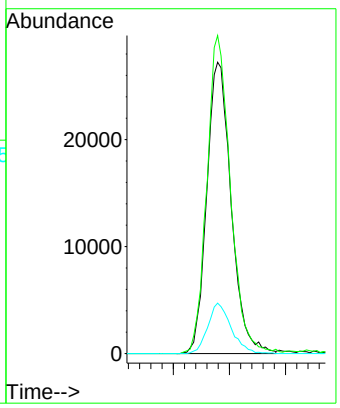


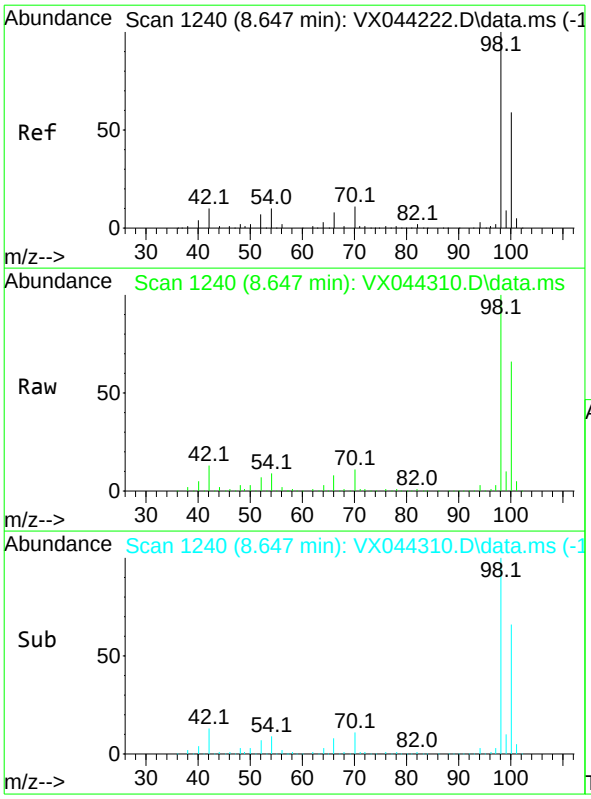


#35
Dibromofluoromethane
Concen: 46.794 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Tgt Ion:113 Resp: 82208

Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.4	120.6
192	16.7	13.3	19.9



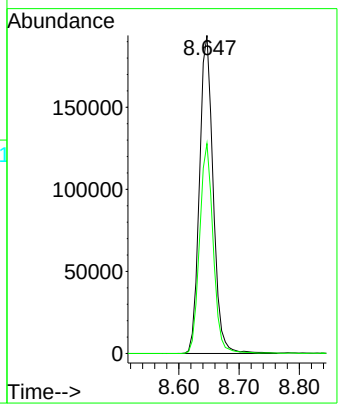


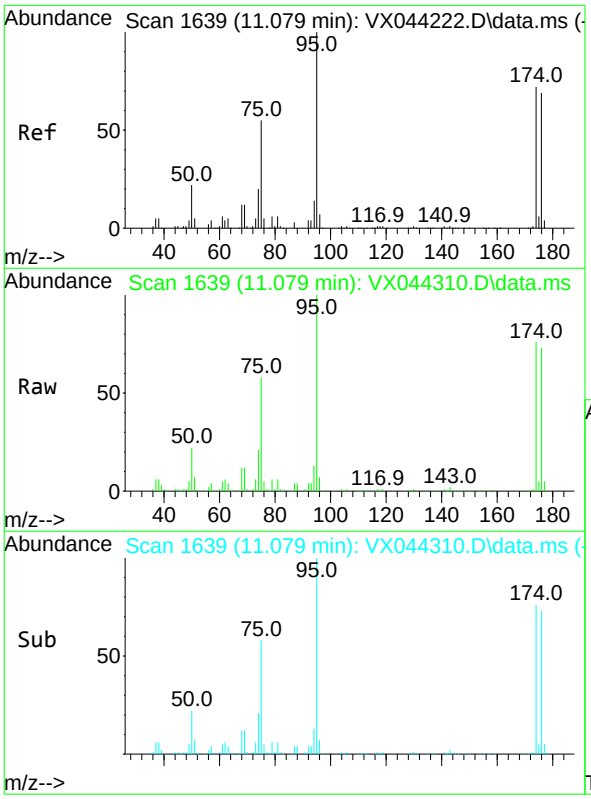
#50
Toluene-d8
Concen: 51.551 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

Tgt Ion: 98 Resp: 305541

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3

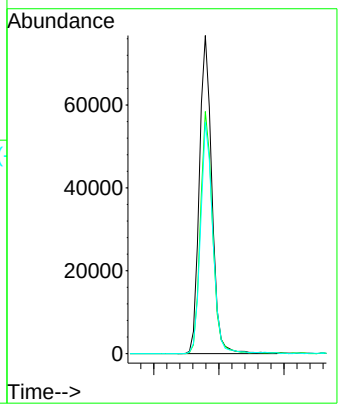


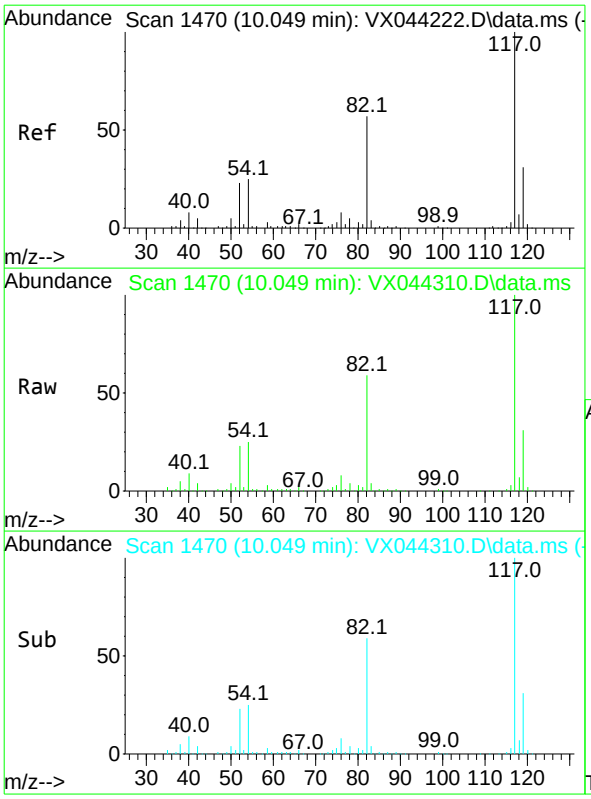


#62
4-Bromofluorobenzene
Concen: 49.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Tgt Ion: 95 Resp: 102368

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	145.8
176	70.9	0.0	137.8



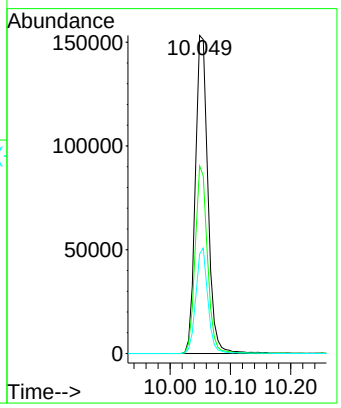


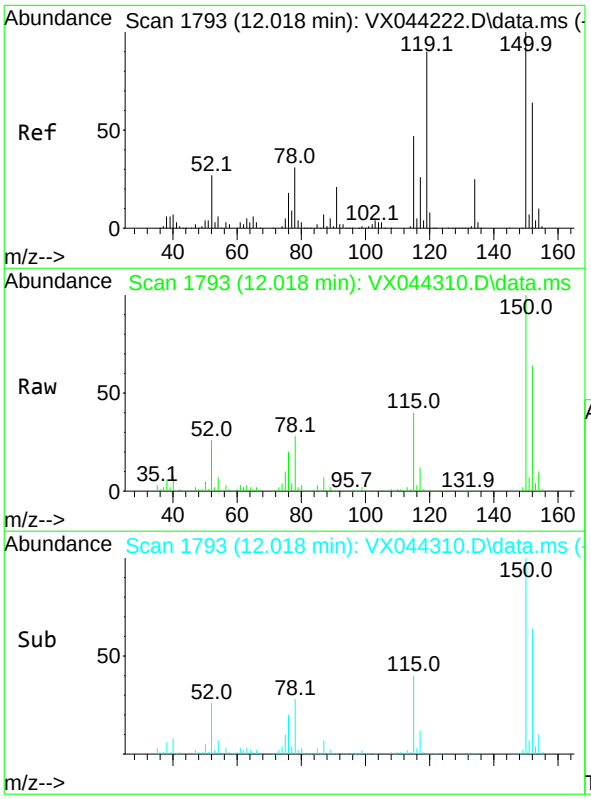
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBL01

Tgt Ion:117 Resp: 222159

Ion	Ratio	Lower	Upper
117	100		
82	59.0	45.8	68.8
119	31.3	25.0	37.4

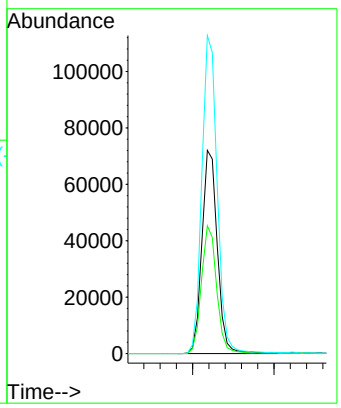




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044310.D
Acq: 16 Dec 2024 09:50

Tgt Ion:152 Resp: 94759

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.5	133.3
150	155.9	0.0	353.8



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBS01	SDG No.:	P5288
Lab Sample ID:	VX1216WBS01	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
VX044311.D	1		12/16/24 10:13	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.9		0.21	1.00	ug/L
74-87-3	Chloromethane	20.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.7		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	17.9		0.38	1.00	ug/L
74-83-9	Bromomethane	19.0		1.40	5.00	ug/L
75-00-3	Chloroethane	20.3		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.26	1.00	ug/L
107-02-8	Acrolein	87.4		6.70	25.0	ug/L
107-13-1	Acrylonitrile	96.6		0.90	5.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.9		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.6		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.3		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	100		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.4		1.60	5.00	ug/L
78-93-3	2-Butanone	98.7		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	21.6		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	16.6		0.18	1.00	ug/L
67-66-3	Chloroform	19.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.6		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	20.1		0.18	1.00	ug/L

Raw Data: **VX044311.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBS01	SDG No.:	P5288
Lab Sample ID:	VX1216WBS01	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
VX044311.D	1		12/16/24 10:13	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.8		0.19	1.00	ug/L
74-95-3	Dibromomethane	20.2		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.9		0.75	5.00	ug/L
108-88-3	Toluene	20.6		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	20.1		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	94.5		1.80	5.00	ug/L
591-78-6	2-Hexanone	98.2		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.3		0.21	1.00	ug/L
67-72-1	Hexachloroethane	20.7		0	0	ug/L
100-41-4	Ethyl Benzene	20.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.6		0.31	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	1.00	ug/L
100-42-5	Styrene	20.7		0.16	1.00	ug/L
75-25-2	Bromoform	19.1		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	21.0		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.9		0.39	1.00	ug/L
108-86-1	Bromobenzene	20.7		0.26	1.00	ug/L
103-65-1	n-propylbenzene	21.1		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	20.2		0.16	1.00	ug/L

Raw Data: **VX044311.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBS01	SDG No.:	P5288
Lab Sample ID:	VX1216WBS01	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
VX044311.D	1		12/16/24 10:13	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	21.0		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	20.8		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	21.0		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	21.5		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	20.9		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.3		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.1		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.3		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	21.1		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		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	20.3		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	19.8		0.31	1.00	ug/L
91-20-3	Naphthalene	19.2		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	5.543			
540-36-3	1,4-Difluorobenzene	242000	6.757			
3114-55-4	Chlorobenzene-d5	212000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	96000	12.018			

Raw Data: **VX044311.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBS01	SDG No.:	P5288
Lab Sample ID:	VX1216WBS01	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
VX044311.D	1		12/16/24 10:13	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX044311.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044311.D
Acq On : 16 Dec 2024 10:13
Operator : JC/MD
Sample : VX1216WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 00:44:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	134529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	242066	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96021	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111328	47.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	5.385	113	81234	48.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.900%			
50) Toluene-d8	8.646	98	288040	50.925	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	96042	48.595	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	41434	19.919	ug/l	95
3) Chloromethane	1.294	50	41466	20.845	ug/l	99
4) Vinyl Chloride	1.373	62	40774	19.675	ug/l	99
5) Bromomethane	1.593	94	27894	18.973	ug/l	100
6) Chloroethane	1.666	64	26234	20.330	ug/l	96
7) Trichlorofluoromethane	1.873	101	65061	16.036	ug/l	98
8) Diethyl Ether	2.129	74	24659	17.806	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	32928	20.057	ug/l	99
10) Methyl Iodide	2.446	142	43823	20.254	ug/l	98
11) Tert butyl alcohol	2.983	59	34007	102.298	ug/l	97
12) 1,1-Dichloroethene	2.312	96	30576	20.277	ug/l	96
13) Acrolein	2.233	56	42059	87.403	ug/l	100
14) Allyl chloride	2.660	41	50274	20.017	ug/l	98
15) Acrylonitrile	3.062	53	88935	96.580	ug/l	98
16) Acetone	2.379	43	106176	110.414	ug/l	99
17) Carbon Disulfide	2.507	76	55319	19.300	ug/l	98
18) Methyl Acetate	2.702	43	46861	18.900	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	115525	19.632	ug/l	97
20) Methylene Chloride	2.788	84	37200	20.596	ug/l	92
21) trans-1,2-Dichloroethene	3.086	96	32543	20.307	ug/l	95
22) Diisopropyl ether	3.757	45	113465	20.062	ug/l	90
23) Vinyl Acetate	3.721	43	462150	100.509	ug/l	100
24) 1,1-Dichloroethane	3.605	63	64430	20.437	ug/l	99
25) 2-Butanone	4.556	43	134957	98.719	ug/l	99
26) 2,2-Dichloropropane	4.470	77	55206	21.555	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	39297	19.308	ug/l	97
28) Bromochloromethane	4.891	49	25670	16.605	ug/l	98
29) Tetrahydrofuran	5.007	42	80351	91.570	ug/l	98
30) Chloroform	5.092	83	69366	19.583	ug/l	95
31) Cyclohexane	5.464	56	49455	19.426	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	58343	19.843	ug/l	99
36) 1,1-Dichloropropene	5.690	75	43501	20.073	ug/l	100
37) Ethyl Acetate	4.714	43	48028	17.929	ug/l	98
38) Carbon Tetrachloride	5.671	117	47510	20.363	ug/l	99
39) Methylcyclohexane	7.378	83	53260	20.558	ug/l	99
40) Benzene	6.031	78	135059	20.526	ug/l	98

Sample Results: **VX044311.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044311.D
Acq On : 16 Dec 2024 10:13
Operator : JC/MD
Sample : VX1216WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 00:44:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26315	18.499 ug/l	98
42) 1,2-Dichloroethane	6.080	62	54309	20.037 ug/l	99
43) Isopropyl Acetate	6.342	43	80299	19.178 ug/l	99
44) Trichloroethene	7.122	130	33444	20.382 ug/l	96
45) 1,2-Dichloropropane	7.427	63	35014	20.829 ug/l	99
46) Dibromomethane	7.580	93	26382	20.229 ug/l	99
47) Bromodichloromethane	7.817	83	46737	20.751 ug/l	99
48) Methyl methacrylate	7.695	41	38934	19.156 ug/l	97
49) 1,4-Dioxane	7.665	88	11832	351.120 ug/l #	78
51) 4-Methyl-2-Pentanone	8.573	43	252900	93.940 ug/l	100
52) Toluene	8.714	92	84932	20.555 ug/l	96
53) t-1,3-Dichloropropene	8.976	75	47642	20.900 ug/l	92
54) cis-1,3-Dichloropropene	8.366	75	52190	21.281 ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	33766	20.570 ug/l	97
56) Ethyl methacrylate	9.116	69	50862	19.627 ug/l	98
57) 1,3-Dichloropropane	9.305	76	57416	20.095 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	123493	94.484 ug/l	99
59) 2-Hexanone	9.433	43	191312	98.177 ug/l	100
60) Dibromochloromethane	9.518	129	32408	19.922 ug/l	96
61) 1,2-Dibromoethane	9.610	107	34712	20.775 ug/l	100
64) Tetrachloroethene	9.268	164	29704	21.067 ug/l	99
65) Chlorobenzene	10.079	112	92878	20.403 ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.158	131	29689	20.293 ug/l	97
67) Ethyl Benzene	10.195	91	162704	20.686 ug/l	97
68) m/p-Xylenes	10.299	106	120194	41.646 ug/l	99
69) o-Xylene	10.640	106	60911	20.859 ug/l	97
70) Styrene	10.652	104	96693	20.655 ug/l	97
71) Bromoform	10.799	173	17467	19.082 ug/l #	97
73) Isopropylbenzene	10.963	105	154027	20.954 ug/l	100
74) N-amyl acetate	10.841	43	67193	19.779 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	49757	19.488 ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	40437m	18.861 ug/l	
77) Bromobenzene	11.195	156	36857	20.677 ug/l	97
78) n-propylbenzene	11.305	91	171507	21.110 ug/l	99
79) 2-Chlorotoluene	11.365	91	106376	20.245 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	128141	21.021 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11779	19.566 ug/l	89
82) 4-Chlorotoluene	11.451	91	120796	20.761 ug/l	98
83) tert-Butylbenzene	11.713	119	126530	21.003 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	128899	21.531 ug/l	99
85) sec-Butylbenzene	11.890	105	152498	20.851 ug/l	99
86) p-Isopropyltoluene	12.006	119	123679	20.318 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	65609	21.071 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	64883	20.271 ug/l	99
89) n-Butylbenzene	12.329	91	108013	21.102 ug/l	99
90) Hexachloroethane	12.536	117	18381	20.686 ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	65192	20.164 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	8302	16.750 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	35925	20.268 ug/l	96
94) Hexachlorobutadiene	13.725	225	14096	19.771 ug/l	95
95) Naphthalene	13.774	128	133025	19.227 ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	37378	19.882 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044311.D
Acq On : 16 Dec 2024 10:13
Operator : JC/MD
Sample : VX1216WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Quant Time: Dec 17 00:44:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

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

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

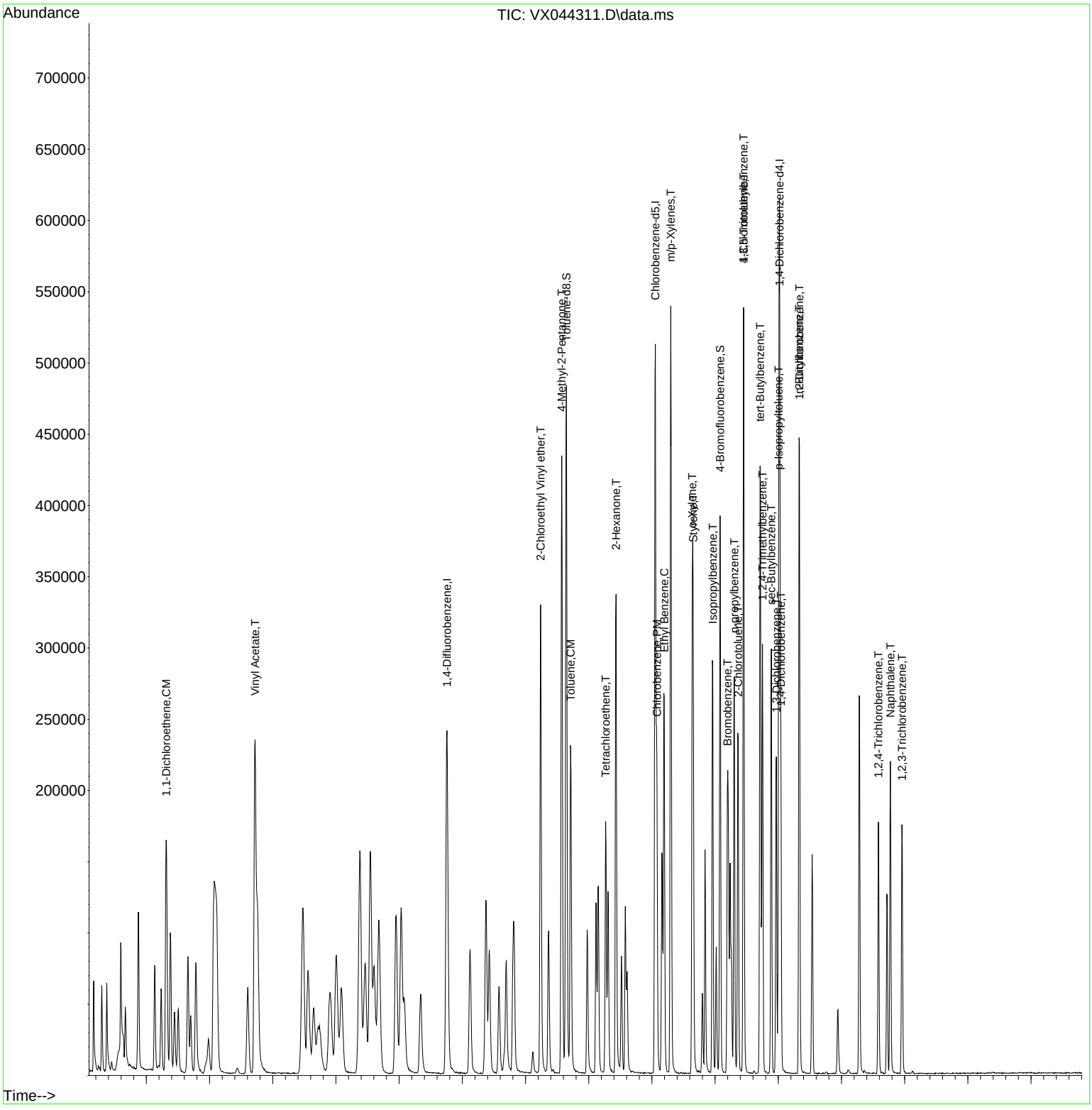
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044311.D
Acq On : 16 Dec 2024 10:13
Operator : JC/MD
Sample : VX1216WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 00:44:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024



Raw Data: **VX044312.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBSD01	SDG No.:	P5288
Lab Sample ID:	VX1216WBSD01	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
VX044312.D	1		12/16/24 10:43	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.9		0.21	1.00	ug/L
74-87-3	Chloromethane	18.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	19.1		0.38	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	5.00	ug/L
75-00-3	Chloroethane	21.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.4		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
107-02-8	Acrolein	82.0		6.70	25.0	ug/L
107-13-1	Acrylonitrile	93.2		0.90	5.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	100		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.60	5.00	ug/L
78-93-3	2-Butanone	96.3		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	20.3		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	19.1		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	19.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	20.1		0.18	1.00	ug/L

Raw Data: **VX044312.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBSD01	SDG No.:	P5288
Lab Sample ID:	VX1216WBSD01	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
VX044312.D	1		12/16/24 10:43	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.9		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.19	1.00	ug/L
74-95-3	Dibromomethane	20.2		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	20.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.0		0.75	5.00	ug/L
108-88-3	Toluene	19.6		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.3		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	20.2		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	90.7		1.80	5.00	ug/L
591-78-6	2-Hexanone	98.4		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.1		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.6		0.21	1.00	ug/L
67-72-1	Hexachloroethane	20.4		0	0	ug/L
100-41-4	Ethyl Benzene	20.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.1		0.31	2.00	ug/L
95-47-6	o-Xylene	20.1		0.14	1.00	ug/L
100-42-5	Styrene	20.5		0.16	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.8		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		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	20.1		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	19.6		0.16	1.00	ug/L

Raw Data: **VX044312.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBSD01	SDG No.:	P5288
Lab Sample ID:	VX1216WBSD01	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
VX044312.D	1		12/16/24 10:43	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	20.2		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	20.2		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	20.1		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.8		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	20.1		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.0		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	20.4		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.1		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	20.2		0.31	1.00	ug/L
91-20-3	Naphthalene	19.1		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.2		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	133000	5.544			
540-36-3	1,4-Difluorobenzene	239000	6.757			
3114-55-4	Chlorobenzene-d5	202000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	96100	12.018			

Raw Data: **VX044312.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1216WBSD01	SDG No.:	P5288
Lab Sample ID:	VX1216WBSD01	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
VX044312.D	1		12/16/24 10:43	VX121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **VX044312.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044312.D
Acq On : 16 Dec 2024 10:43
Operator : JC/MD
Sample : VX1216WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 00:45:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	133444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	238576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	201904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	96145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114476	48.927	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.860%			
35) Dibromofluoromethane	5.379	113	83106	50.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	8.641	98	285565	51.226	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	99625	51.145	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	39074	18.937	ug/l	99
3) Chloromethane	1.295	50	36683	18.591	ug/l	100
4) Vinyl Chloride	1.374	62	38502	18.730	ug/l	97
5) Bromomethane	1.593	94	26209	17.972	ug/l	99
6) Chloroethane	1.666	64	27108	21.178	ug/l	97
7) Trichlorofluoromethane	1.868	101	66160	16.440	ug/l	99
8) Diethyl Ether	2.130	74	25073	18.253	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	32857	20.177	ug/l	99
10) Methyl Iodide	2.447	142	39741	18.517	ug/l	100
11) Tert butyl alcohol	2.989	59	34419	104.380	ug/l	99
12) 1,1-Dichloroethene	2.307	96	28561	19.095	ug/l	97
13) Acrolein	2.233	56	39127	81.972	ug/l	99
14) Allyl chloride	2.654	41	47626	19.116	ug/l	98
15) Acrylonitrile	3.063	53	85125	93.194	ug/l	98
16) Acetone	2.380	43	103490	108.495	ug/l	98
17) Carbon Disulfide	2.502	76	52742	18.550	ug/l	100
18) Methyl Acetate	2.703	43	45628	18.552	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	113050	19.368	ug/l	100
20) Methylene Chloride	2.782	84	34691	19.363	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	29996	18.869	ug/l	92
22) Diisopropyl ether	3.757	45	110490	19.695	ug/l	95
23) Vinyl Acetate	3.715	43	456229	100.028	ug/l	99
24) 1,1-Dichloroethane	3.599	63	60308	19.285	ug/l	99
25) 2-Butanone	4.556	43	130559	96.279	ug/l	95
26) 2,2-Dichloropropane	4.465	77	51662	20.335	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	38489	19.064	ug/l	98
28) Bromochloromethane	4.891	49	29263	19.083	ug/l	96
29) Tetrahydrofuran	5.001	42	79354	91.169	ug/l	98
30) Chloroform	5.080	83	68352	19.454	ug/l	98
31) Cyclohexane	5.452	56	49827	19.732	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	56442	19.353	ug/l	100
36) 1,1-Dichloropropene	5.684	75	43015	20.139	ug/l	99
37) Ethyl Acetate	4.709	43	50319	19.059	ug/l	98
38) Carbon Tetrachloride	5.666	117	44548	19.373	ug/l	96
39) Methylcyclohexane	7.373	83	53395	20.911	ug/l	95
40) Benzene	6.025	78	128463	19.809	ug/l	98

Sample Results: **VX044312.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044312.D
Acq On : 16 Dec 2024 10:43
Operator : JC/MD
Sample : VX1216WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 00:45:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	25975	18.527 ug/l	98
42) 1,2-Dichloroethane	6.080	62	53028	19.851 ug/l	98
43) Isopropyl Acetate	6.336	43	80633	19.540 ug/l	99
44) Trichloroethene	7.117	130	31901	19.726 ug/l	95
45) 1,2-Dichloropropane	7.428	63	31768	19.174 ug/l	93
46) Dibromomethane	7.580	93	25994	20.223 ug/l	99
47) Bromodichloromethane	7.818	83	45586	20.536 ug/l	96
48) Methyl methacrylate	7.690	41	37850	18.895 ug/l	99
49) 1,4-Dioxane	7.665	88	10130	305.010 ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	252120	95.020 ug/l	100
52) Toluene	8.714	92	79938	19.629 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	45457	20.278 ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	49402	20.439 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	32571	20.132 ug/l	94
56) Ethyl methacrylate	9.116	69	50499	19.772 ug/l	99
57) 1,3-Dichloropropane	9.305	76	56800	20.171 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	116786	90.659 ug/l	100
59) 2-Hexanone	9.433	43	189062	98.441 ug/l	100
60) Dibromochloromethane	9.519	129	30916	19.332 ug/l	100
61) 1,2-Dibromoethane	9.604	107	33619	20.415 ug/l	98
64) Tetrachloroethene	9.269	164	26888	20.065 ug/l	93
65) Chlorobenzene	10.080	112	88849	20.537 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	28697	20.639 ug/l	97
67) Ethyl Benzene	10.189	91	154521	20.671 ug/l	100
68) m/p-Xylenes	10.299	106	115409	42.075 ug/l	97
69) o-Xylene	10.640	106	55902	20.142 ug/l	98
70) Styrene	10.653	104	91348	20.532 ug/l	99
71) Bromoform	10.799	173	17510	20.019 ug/l #	97
73) Isopropylbenzene	10.957	105	145574	19.778 ug/l	99
74) N-amyl acetate	10.842	43	64505	18.963 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	50334	19.689 ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	40701m	18.960 ug/l	
77) Bromobenzene	11.195	156	34688	19.435 ug/l	97
78) n-propylbenzene	11.305	91	163329	20.077 ug/l	99
79) 2-Chlorotoluene	11.360	91	103198	19.615 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	123389	20.215 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11739	19.500 ug/l	92
82) 4-Chlorotoluene	11.451	91	117457	20.161 ug/l	99
83) tert-Butylbenzene	11.713	119	120974	20.055 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	124461	20.763 ug/l	100
85) sec-Butylbenzene	11.890	105	146915	20.062 ug/l	100
86) p-Isopropyltoluene	12.006	119	121762	19.977 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62515	20.052 ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	61687	19.248 ug/l	99
89) n-Butylbenzene	12.329	91	104514	20.392 ug/l	99
90) Hexachloroethane	12.536	117	18109	20.354 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	65141	20.123 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8607	17.343 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	35745	20.141 ug/l	98
94) Hexachlorobutadiene	13.725	225	14417	20.196 ug/l	99
95) Naphthalene	13.774	128	132216	19.085 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	37541	19.943 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044312.D
Acq On : 16 Dec 2024 10:43
Operator : JC/MD
Sample : VX1216WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 00:45:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024

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

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

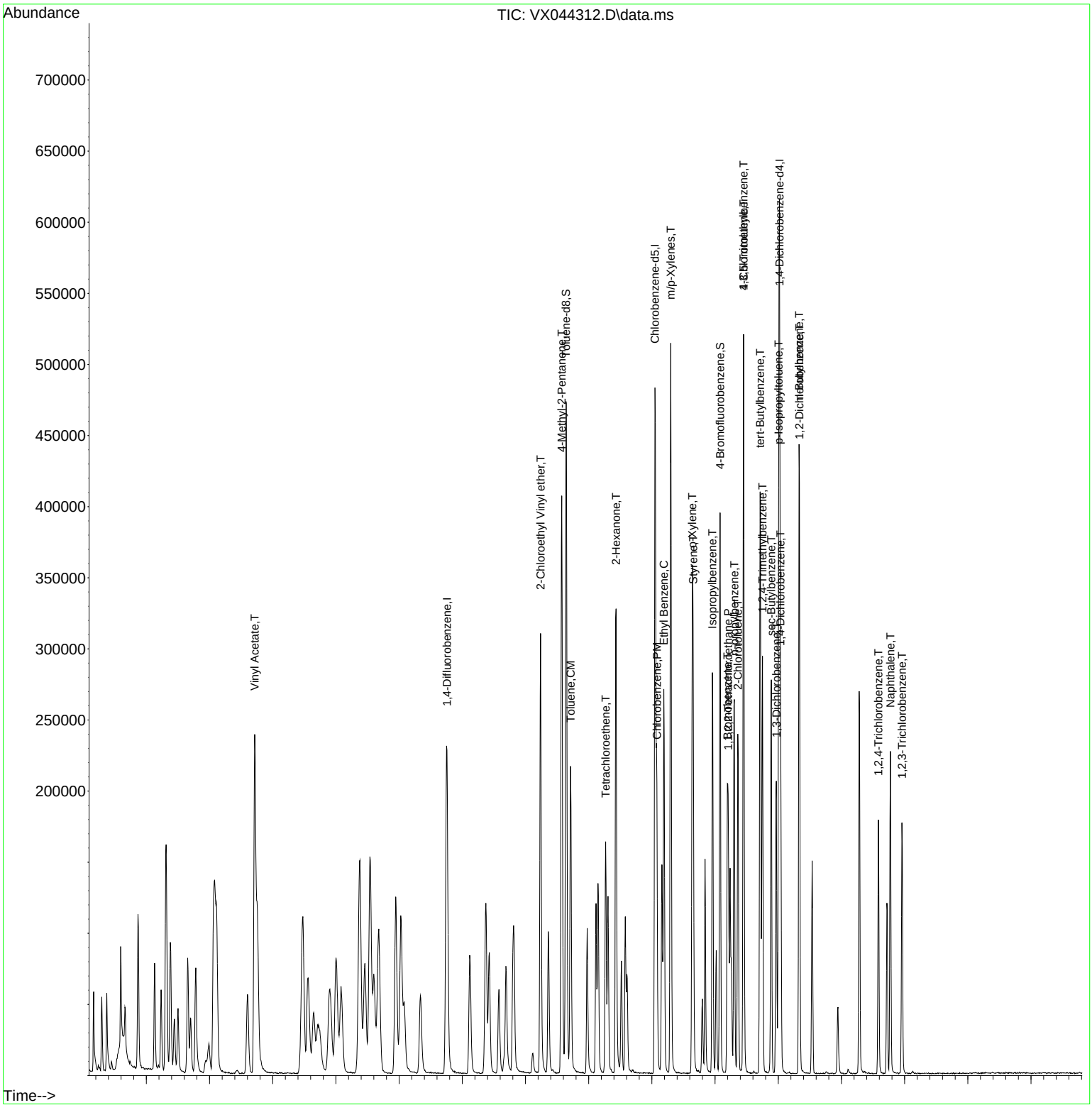
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
Data File : VX044312.D
Acq On : 16 Dec 2024 10:43
Operator : JC/MD
Sample : VX1216WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 00:45:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1216WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
Supervised By :Semsettin Yesilyurt 12/17/2024



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Manual Integration Report

Sequence:	vx121124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044219.D	1,1-Dichloropropene	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	1,4-Dichlorobenzene	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	1,4-Dioxane	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	Chloroethane	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC001	VX044219.D	Methacrylonitrile	JOHN	12/12/2024 9:55:42 AM	MMDadoda	12/12/2024 2:17:09 PM	Peak Integrated by Software
VSTDICC005	VX044220.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:55:46 AM	MMDadoda	12/12/2024 2:17:07 PM	Peak Integrated by Software
VSTDICC005	VX044220.D	1,4-Dioxane	JOHN	12/12/2024 9:55:46 AM	MMDadoda	12/12/2024 2:17:07 PM	Peak Integrated by Software
VSTDICC005	VX044220.D	Tert butyl alcohol	JOHN	12/12/2024 9:55:46 AM	MMDadoda	12/12/2024 2:17:07 PM	Peak Integrated by Software
VSTDICC020	VX044221.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:10 AM	MMDadoda	12/12/2024 2:17:06 PM	Peak Integrated by Software
VSTDICC020	VX044221.D	1,4-Dioxane	JOHN	12/12/2024 9:56:10 AM	MMDadoda	12/12/2024 2:17:06 PM	Peak Integrated by Software
VSTDICC020	VX044221.D	Tert butyl alcohol	JOHN	12/12/2024 9:56:10 AM	MMDadoda	12/12/2024 2:17:06 PM	Peak Integrated by Software
VSTDICCC050	VX044222.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:15 AM	MMDadoda	12/12/2024 2:17:04 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx121124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC050	VX044222.D	1,4-Dioxane	JOHN	12/12/2024 9:56:15 AM	MMDadoda	12/12/2024 2:17:04 PM	Peak Integrated by Software
VSTDICCC050	VX044222.D	Tert butyl alcohol	JOHN	12/12/2024 9:56:15 AM	MMDadoda	12/12/2024 2:17:04 PM	Peak Integrated by Software
VSTDICC100	VX044223.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:19 AM	MMDadoda	12/12/2024 2:17:02 PM	Peak Integrated by Software
VSTDICC100	VX044223.D	1,4-Dioxane	JOHN	12/12/2024 9:56:19 AM	MMDadoda	12/12/2024 2:17:02 PM	Peak Integrated by Software
VSTDICC150	VX044224.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:22 AM	MMDadoda	12/12/2024 2:17:00 PM	Peak Integrated by Software
VSTDICC150	VX044224.D	1,4-Dioxane	JOHN	12/12/2024 9:56:22 AM	MMDadoda	12/12/2024 2:17:00 PM	Peak Integrated by Software
VSTDICV050	VX044226.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:56:27 AM	MMDadoda	12/12/2024 2:16:58 PM	Peak Integrated by Software
VSTDICV050	VX044226.D	1,4-Dioxane	JOHN	12/12/2024 9:56:27 AM	MMDadoda	12/12/2024 2:16:58 PM	Peak Integrated by Software
VSTDCCC050	VX044238.D	1,2,3-Trichloropropane	JOHN	12/12/2024 9:59:41 AM	MMDadoda	12/12/2024 2:16:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX121624	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044308.D	1,2,3-Trichloropropane	MMDadoda	12/17/2024 8:45:30 AM	SAM	12/17/2024 8:46:23 AM	Peak Integrated by Software
VX1216WBS01	VX044311.D	1,2,3-Trichloropropane	MMDadoda	12/17/2024 8:45:31 AM	SAM	12/17/2024 8:46:25 AM	Peak Integrated by Software
VX1216WBSD01	VX044312.D	1,2,3-Trichloropropane	MMDadoda	12/17/2024 8:45:32 AM	SAM	12/17/2024 8:46:27 AM	Peak Integrated by Software
VSTDCCC050	VX044333.D	1,2,3-Trichloropropane	MMDadoda	12/17/2024 8:45:34 AM	SAM	12/17/2024 8:46:22 AM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

Review By	John Carlone	Review On	12/12/2024 10:00:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2024 2:17:22 PM		
SubDirectory	VX121124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132057
Initial Calibration Stds	VP132059,VP132060,VP132061,VP132062,VP132063,VP132064
CCC	VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139
Internal Standard/PEM	
ICV/I.BLK	VP132065
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044218.D	11 Dec 2024 10:13	JC/MD	Ok
2	VSTDICC001	VX044219.D	11 Dec 2024 10:41	JC/MD	Ok,M
3	VSTDICC005	VX044220.D	11 Dec 2024 11:27	JC/MD	Ok,M
4	VSTDICC020	VX044221.D	11 Dec 2024 11:50	JC/MD	Ok,M
5	VSTDICCC050	VX044222.D	11 Dec 2024 12:14	JC/MD	Ok,M
6	VSTDICC100	VX044223.D	11 Dec 2024 12:37	JC/MD	Ok,M
7	VSTDICC150	VX044224.D	11 Dec 2024 13:00	JC/MD	Ok,M
8	IBLK	VX044225.D	11 Dec 2024 13:23	JC/MD	Ok
9	VSTDICV050	VX044226.D	11 Dec 2024 13:51	JC/MD	Ok,M
10	VX1211MBL01	VX044227.D	11 Dec 2024 14:28	JC/MD	Ok
11	VX1211WBL01	VX044228.D	11 Dec 2024 14:51	JC/MD	Ok
12	VX1211WBS01	VX044229.D	11 Dec 2024 15:42	JC/MD	Ok,M
13	VX1211WBSD01	VX044230.D	11 Dec 2024 16:08	JC/MD	Ok,M
14	IBLK	VX044231.D	11 Dec 2024 16:31	JC/MD	Ok
15	P4368-07 0.2PPB	VX044232.D	11 Dec 2024 16:54	JC/MD	Ok,M
16	P4368-07 0.5PPB	VX044233.D	11 Dec 2024 17:18	JC/MD	Ok,M
17	P4368-07 0.75PPB	VX044234.D	11 Dec 2024 17:41	JC/MD	Ok,M
18	P4368-07 2.5PPB	VX044235.D	11 Dec 2024 18:04	JC/MD	Ok,M
19	P4368-08 1.0PPB	VX044236.D	11 Dec 2024 18:28	JC/MD	Ok,M
20	P4368-08 5.0PPB	VX044237.D	11 Dec 2024 18:51	JC/MD	Ok,M
21	VSTDCCC050	VX044238.D	11 Dec 2024 19:14	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121624

Review By	Mahesh Dadoda	Review On	12/17/2024 8:45:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/17/2024 8:46:44 AM		
SubDirectory	VX121624	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132156
Initial Calibration Stds	
CCC	VP132157,VP132158
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044307.D	16 Dec 2024 08:09	JC/MD	Ok
2	VSTDCCC050	VX044308.D	16 Dec 2024 08:58	JC/MD	Ok,M
3	VX1216MBL01	VX044309.D	16 Dec 2024 09:27	JC/MD	Ok
4	VX1216WBL01	VX044310.D	16 Dec 2024 09:50	JC/MD	Ok
5	VX1216WBS01	VX044311.D	16 Dec 2024 10:13	JC/MD	Ok,M
6	VX1216WBSD01	VX044312.D	16 Dec 2024 10:43	JC/MD	Ok,M
7	P5261-03	VX044313.D	16 Dec 2024 11:06	JC/MD	Ok
8	P5288-01	VX044314.D	16 Dec 2024 11:29	JC/MD	Ok
9	P5288-02	VX044315.D	16 Dec 2024 11:52	JC/MD	Ok
10	P5288-03	VX044316.D	16 Dec 2024 12:15	JC/MD	Ok
11	P5288-04	VX044317.D	16 Dec 2024 12:38	JC/MD	Ok
12	P5261-11	VX044318.D	16 Dec 2024 13:01	JC/MD	Ok
13	P5261-17	VX044319.D	16 Dec 2024 13:24	JC/MD	Ok
14	P5261-08	VX044320.D	16 Dec 2024 13:48	JC/MD	Ok
15	P5261-20	VX044321.D	16 Dec 2024 14:11	JC/MD	Ok
16	P5261-16DL	VX044322.D	16 Dec 2024 14:34	JC/MD	Ok
17	P5261-01DL	VX044323.D	16 Dec 2024 14:57	JC/MD	Ok
18	P5261-05DL	VX044324.D	16 Dec 2024 15:20	JC/MD	Ok
19	P5261-15DL	VX044325.D	16 Dec 2024 15:43	JC/MD	Ok
20	P5261-18DL	VX044326.D	16 Dec 2024 16:06	JC/MD	Ok
21	P5261-04DL	VX044327.D	16 Dec 2024 16:30	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121624

Review By	Mahesh Dadoda	Review On	12/17/2024 8:45:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/17/2024 8:46:44 AM		
SubDirectory	VX121624	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132156
Initial Calibration Stds	
CCC	VP132157,VP132158
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5261-09DL	VX044328.D	16 Dec 2024 16:53	JC/MD	Ok
23	P5261-10DL	VX044329.D	16 Dec 2024 17:16	JC/MD	Ok
24	P5261-21	VX044330.D	16 Dec 2024 17:40	JC/MD	Ok
25	P5261-19	VX044331.D	16 Dec 2024 18:03	JC/MD	Dilution
26	P5280-01	VX044332.D	16 Dec 2024 18:26	JC/MD	Not Ok
27	VSTDCCC050	VX044333.D	16 Dec 2024 18:49	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

Review By	John Carlone	Review On	12/12/2024 10:00:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2024 2:17:22 PM		
SubDirectory	VX121124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132057
Initial Calibration Stds	VP132059,VP132060,VP132061,VP132062,VP132063,VP132064
CCC	VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139
Internal Standard/PEM	
ICV/I.BLK	VP132065
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044218.D	11 Dec 2024 10:13		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044219.D	11 Dec 2024 10:41		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044220.D	11 Dec 2024 11:27		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044221.D	11 Dec 2024 11:50		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044222.D	11 Dec 2024 12:14		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044223.D	11 Dec 2024 12:37		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044224.D	11 Dec 2024 13:00		JC/MD	Ok,M
8	IBLK	IBLK	VX044225.D	11 Dec 2024 13:23		JC/MD	Ok
9	VSTDICV050	ICVVX121124	VX044226.D	11 Dec 2024 13:51		JC/MD	Ok,M
10	VX1211MBL01	VX1211MBL01	VX044227.D	11 Dec 2024 14:28		JC/MD	Ok
11	VX1211WBL01	VX1211WBL01	VX044228.D	11 Dec 2024 14:51		JC/MD	Ok
12	VX1211WBS01	VX1211WBS01	VX044229.D	11 Dec 2024 15:42		JC/MD	Ok,M
13	VX1211WBSD01	VX1211WBSD01	VX044230.D	11 Dec 2024 16:08		JC/MD	Ok,M
14	IBLK	IBLK	VX044231.D	11 Dec 2024 16:31		JC/MD	Ok
15	P4368-07 0.2PPB	LOD-MDL-WATER-01-(	VX044232.D	11 Dec 2024 16:54		JC/MD	Ok,M
16	P4368-07 0.5PPB	LOD-MDL-WATER-01-(	VX044233.D	11 Dec 2024 17:18		JC/MD	Ok,M
17	P4368-07 0.75PPB	LOD-MDL-WATER-01-(	VX044234.D	11 Dec 2024 17:41		JC/MD	Ok,M
18	P4368-07 2.5PPB	LOD-MDL-WATER-01-(	VX044235.D	11 Dec 2024 18:04		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121124

Review By	John Carlone	Review On	12/12/2024 10:00:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/12/2024 2:17:22 PM		
SubDirectory	VX121124	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132057
Initial Calibration Stds	VP132059,VP132060,VP132061,VP132062,VP132063,VP132064
CCC	VP132059,VP132134,VP132135,VP132136,VP132137,VP132138,VP132139
Internal Standard/PEM	
ICV/I.BLK	VP132065
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4368-08 1.0PPB	LOQ-WATER-02-QT4-2	VX044236.D	11 Dec 2024 18:28		JC/MD	Ok,M
20	P4368-08 5.0PPB	LOQ-WATER-02-QT4-2	VX044237.D	11 Dec 2024 18:51		JC/MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VX044238.D	11 Dec 2024 19:14		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121624

Review By	Mahesh Dadoda	Review On	12/17/2024 8:45:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/17/2024 8:46:44 AM		
SubDirectory	VX121624	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132156
Initial Calibration Stds	
CCC	VP132157,VP132158
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044307.D	16 Dec 2024 08:09		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044308.D	16 Dec 2024 08:58	V13516	JC/MD	Ok,M
3	VX1216MBL01	VX1216MBL01	VX044309.D	16 Dec 2024 09:27		JC/MD	Ok
4	VX1216WBL01	VX1216WBL01	VX044310.D	16 Dec 2024 09:50		JC/MD	Ok
5	VX1216WBS01	VX1216WBS01	VX044311.D	16 Dec 2024 10:13		JC/MD	Ok,M
6	VX1216WBSD01	VX1216WBSD01	VX044312.D	16 Dec 2024 10:43		JC/MD	Ok,M
7	P5261-03	RE122D3-20241209	VX044313.D	16 Dec 2024 11:06	vial B pH<2	JC/MD	Ok
8	P5288-01	Storage-Blank-SOIL-RE	VX044314.D	16 Dec 2024 11:29	vial A pH<2	JC/MD	Ok
9	P5288-02	Storage-Blank-WATER-	VX044315.D	16 Dec 2024 11:52	vial A pH<2	JC/MD	Ok
10	P5288-03	Storage-Blank-WATER-	VX044316.D	16 Dec 2024 12:15	vial A pH<2	JC/MD	Ok
11	P5288-04	Storage-Blank-SAMPLE	VX044317.D	16 Dec 2024 12:38	vial A pH<2	JC/MD	Ok
12	P5261-11	GM3-RW3-MW1-20241	VX044318.D	16 Dec 2024 13:01	vial B pH<2	JC/MD	Ok
13	P5261-17	RE120D1-20241210	VX044319.D	16 Dec 2024 13:24	vial B pH<2	JC/MD	Ok
14	P5261-08	DUP-01-20241209	VX044320.D	16 Dec 2024 13:48	vial A pH<2	JC/MD	Ok
15	P5261-20	DUP-02-20241210	VX044321.D	16 Dec 2024 14:11	vial A pH<2	JC/MD	Ok
16	P5261-16DL	RE125D3-20241210DL	VX044322.D	16 Dec 2024 14:34	vial B pH<2	JC/MD	Ok
17	P5261-01DL	RE122D1-20241209DL	VX044323.D	16 Dec 2024 14:57	vial B pH<2	JC/MD	Ok
18	P5261-05DL	RE103D2-20241209DL	VX044324.D	16 Dec 2024 15:20	vial B pH<2	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX121624

Review By	Mahesh Dadoda	Review On	12/17/2024 8:45:46 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/17/2024 8:46:44 AM		
SubDirectory	VX121624	HP Acquire Method		HP Processing Method	82X121124W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132156
Initial Calibration Stds	
CCC	VP132157,VP132158
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5261-15DL	RE125D2-20241210DL	VX044325.D	16 Dec 2024 15:43	vial B pH<2	JC/MD	Ok
20	P5261-18DL	RE120D2-20241210DL	VX044326.D	16 Dec 2024 16:06	vial B pH<2	JC/MD	Ok
21	P5261-04DL	RE103D1-20241209DL	VX044327.D	16 Dec 2024 16:30	vial B pH<2	JC/MD	Ok
22	P5261-09DL	RE134D3-20241210DL	VX044328.D	16 Dec 2024 16:53	vial B pH<2	JC/MD	Ok
23	P5261-10DL	RE134D4-20241210DL	VX044329.D	16 Dec 2024 17:16	vial B pH<2	JC/MD	Ok
24	P5261-21	TB	VX044330.D	16 Dec 2024 17:40	vial A pH<2 TB	JC/MD	Ok
25	P5261-19	RE120D3-20241209	VX044331.D	16 Dec 2024 18:03	vial A pH<2 Need 20X	JC/MD	Dilution
26	P5280-01	BPOW6-7-20241212	VX044332.D	16 Dec 2024 18:26	No VOC test on login	JC/MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VX044333.D	16 Dec 2024 18:49		JC/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 12/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133946

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
P5277-01	COMP-1A	1	1.15	8.66	9.81	8.81	88.5	
P5277-02	COMP-2A	2	1.16	8.64	9.8	7.98	78.9	
P5277-03	COMP-3A	3	1.19	8.45	9.64	8.79	89.9	
P5277-04	SB-13	4	1.14	8.61	9.75	8.89	90.0	
P5277-05	SB-14	5	1.15	8.81	9.96	9.14	90.7	
P5277-06	SB-15	6	1.18	8.74	9.92	9.08	90.4	
P5277-07	SB-16	7	1.15	8.81	9.96	8.68	85.5	
P5277-08	SB-17	8	1.12	8.86	9.98	7.98	77.4	
P5277-09	SB-18	9	1.16	8.74	9.9	8.34	82.2	
P5277-10	SB-19	10	1.14	8.83	9.97	8.42	82.4	
P5277-11	SB-20	11	1.19	8.52	9.71	8.13	81.5	
P5277-12	SB-21	12	1.17	8.72	9.89	9.05	90.4	
P5277-13	SB-22	13	1.15	8.80	9.95	9.03	89.5	
P5277-14	SB-23	14	1.14	8.61	9.75	8.51	85.6	
P5277-15	SB-24	15	1.16	8.40	9.56	8.68	89.5	
P5279-01	ROCKAWAY-PARK	16	1.18	8.47	9.65	9.11	93.6	
P5279-03	ROCKAWAY-PARK	17	1.15	8.50	9.65	9.14	94.0	
P5287-01	STONES-A	18	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-02	STONES-A-E2	19	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-03	STONES-B	20	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-04	STONES-B-E2	21	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5288-05	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
P5288-06	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
P5288-07	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
P5288-08	PCB-GPC-BLANK	25	1.00	1.00	2.00	2.00	100.0	
P5288-09	PCB-GPC-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
P5288-10	SVOC-GPC2-BLANK	27	1.00	1.00	2.00	2.00	100.0	
P5288-11	PEST-GPC2-BLANK	28	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 12/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133946

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
P5288-12	PEST-GPC2-BLANK-SPIKE	29	1.00	1.00	2.00	2.00	100.0	
P5288-13	PCB-GPC2-BLANK	30	1.00	1.00	2.00	2.00	100.0	
P5288-14	PCB-GPC2-BLANK-SPIKE	31	1.00	1.00	2.00	2.00	100.0	

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

SHIPPING DOCUMENTS

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

Laboratory Certification

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