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:	Q1370	**OrderDate:**	2/14/2025 9:17:00 AM
Client:	Chemtech Consulting Group	**Project:**	Weekly Storage Blanks
Contact:	QA Officer	**Location:**	D11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1370-01	**Storage-Blank-SOIL-REF-6**	**Water**			**02/14/25**			**02/14/25**
			VOC- Chemtech Full	8260-Low			02/18/25	
Q1370-02	**Storage-Blank-WATER-REF-5**	**Water**			**02/14/25**			**02/14/25**
			VOC- Chemtech Full	8260-Low			02/18/25	
Q1370-03	**Storage-Blank-WATER-REF-4**	**Water**			**02/14/25**			**02/14/25**
			VOC- Chemtech Full	8260-Low			02/18/25	
Q1370-04	**Storage-Blank-SAMPLE-MANAGEMENT**	**Water**			**02/14/25**			**02/14/25**
			VOC- Chemtech Full	8260-Low			02/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1370

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.: Q1370

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1370-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	56.6	113	74	125
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	51.0	102	86	113
		4-Bromofluorobenzene	50	52.2	104	77	121
Q1370-02	Storage-Blank-WATER-REF-5	1,2-Dichloroethane-d4	50	57.1	114	74	125
		Dibromofluoromethane	50	51.0	102	75	124
		Toluene-d8	50	50.1	100	86	113
		4-Bromofluorobenzene	50	51.3	103	77	121
Q1370-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	56.3	113	74	125
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	49.8	100	86	113
		4-Bromofluorobenzene	50	51.1	102	77	121
Q1370-04	Storage-Blank-SAMPLE-MANAGEME	1,2-Dichloroethane-d4	50	54.8	110	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	51.8	104	77	121
VX0218WBL01	VX0218WBL01	1,2-Dichloroethane-d4	50	56.9	114	74	125
		Dibromofluoromethane	50	52.7	105	75	124
		Toluene-d8	50	51.9	104	86	113
		4-Bromofluorobenzene	50	56.4	113	77	121
VX0218WBS01	VX0218WBS01	1,2-Dichloroethane-d4	50	54.5	109	74	125
		Dibromofluoromethane	50	53.7	107	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	54.3	108	77	121
VX0218WBSD0	VX0218WBSD01	1,2-Dichloroethane-d4	50	53.6	107	74	125
		Dibromofluoromethane	50	53.6	107	75	124
		Toluene-d8	50	52.2	104	86	113
		4-Bromofluorobenzene	50	55.1	110	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1370

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044979.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0218WBS01	Dichlorodifluoromethane	20	19.1	ug/L	96			69	116	
	Chloromethane	20	18.9	ug/L	95			65	116	
	Vinyl chloride	20	18.8	ug/L	94			65	117	
	Ethyl Acetate	20	19.7	ug/L	99			75	115	
	Bromomethane	20	30.4	ug/L	152		*	58	125	
	Chloroethane	20	27.2	ug/L	136		*	56	128	
	Trichlorofluoromethane	20	20.7	ug/L	104			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			80	112	
	Tert butyl alcohol	100	110	ug/L	110			73	124	
	1,1-Dichloroethene	20	19.6	ug/L	98			74	110	
	Acrolein	100	98.0	ug/L	98			51	143	
	Acrylonitrile	100	110	ug/L	110			73	113	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	18.8	ug/L	94			64	112	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			78	114	
	Methyl Acetate	20	21.8	ug/L	109			67	125	
	Methylene Chloride	20	20.0	ug/L	100			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	20.2	ug/L	101			78	112	
	Cyclohexane	20	19.5	ug/L	98			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	20.6	ug/L	103			77	113	
	2,2-Dichloropropane	20	19.8	ug/L	99			75	116	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			77	110	
	Bromochloromethane	20	21.5	ug/L	108			70	124	
	Chloroform	20	20.6	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	20.4	ug/L	102			80	108	
	Methylcyclohexane	20	20.0	ug/L	100			72	115	
	1,1-Dichloropropene	20	20.0	ug/L	100			79	110	
	Benzene	20	19.9	ug/L	100			82	109	
	1,2-Dichloroethane	20	21.3	ug/L	106			80	115	
	Trichloroethene	20	20.2	ug/L	101			77	113	
	1,2-Dichloropropane	20	20.3	ug/L	102			83	111	
	Dibromomethane	20	20.7	ug/L	104			82	110	
	Bromodichloromethane	20	21.5	ug/L	108			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.5	ug/L	103			82	110	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	20.5	ug/L	103			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	1,3-Dichloropropane	20	20.7	ug/L	104			83	111	
	2-Chloroethyl vinyl ether	100	97.6	ug/L	98			75	124	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.3	ug/L	106			82	110	
	1,2-Dibromoethane	20	20.5	ug/L	103			81	110	
	Tetrachloroethene	20	21.0	ug/L	105			67	123	
	Chlorobenzene	20	20.6	ug/L	103			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1370

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044979.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0218WBS01	1,1,1,2-Tetrachloroethane	20	20.4	ug/L	102			84	111	
	Hexachloroethane	20	18.8	ug/L	94			80	113	
	Ethyl Benzene	20	20.1	ug/L	101			83	109	
	m/p-Xylenes	40	40.9	ug/L	102			82	110	
	o-Xylene	20	20.3	ug/L	102			83	109	
	Styrene	20	21.0	ug/L	105			80	111	
	Bromoform	20	21.4	ug/L	107			79	109	
	Isopropylbenzene	20	19.4	ug/L	97			83	112	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			76	118	
	1,2,3-Trichloropropane	20	20.0	ug/L	100			75	112	
	Bromobenzene	20	19.8	ug/L	99			77	116	
	N-propylbenzene	20	19.6	ug/L	98			83	112	
	2-Chlorotoluene	20	19.2	ug/L	96			83	110	
	1,3,5-Trimethylbenzene	20	19.8	ug/L	99			85	112	
	4-Chlorotoluene	20	20.0	ug/L	100			82	110	
	tert-Butylbenzene	20	19.7	ug/L	99			83	112	
	1,2,4-Trimethylbenzene	20	20.3	ug/L	102			85	111	
	Sec-butylbenzene	20	19.8	ug/L	99			81	114	
	p-Isopropyltoluene	20	20.2	ug/L	101			78	116	
	1,3-Dichlorobenzene	20	20.2	ug/L	101			82	108	
	1,4-Dichlorobenzene	20	20.0	ug/L	100			82	107	
	n-Butylbenzene	20	20.8	ug/L	104			75	115	
	1,2-Dichlorobenzene	20	20.8	ug/L	104			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.3	ug/L	97			68	112	
	1,2,4-Trichlorobenzene	20	20.2	ug/L	101			75	113	
	Hexachlorobutadiene	20	20.1	ug/L	101			81	121	
	Naphthalene	20	19.6	ug/L	98			78	119	
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1370

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0218WBSD01	Dichlorodifluoromethane	20	19.6	ug/L	98	2		69	116	20
	Chloromethane	20	18.8	ug/L	94	1		65	116	20
	Vinyl chloride	20	18.6	ug/L	93	1		65	117	20
	Ethyl Acetate	20	21.2	ug/L	106	7		75	115	20
	Bromomethane	20	23.1	ug/L	116	27	*	58	125	20
	Chloroethane	20	24.7	ug/L	124	9		56	128	20
	Trichlorofluoromethane	20	20.0	ug/L	100	4		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100	2		80	112	20
	Tert butyl alcohol	100	110	ug/L	110	0		73	124	20
	1,1-Dichloroethene	20	18.8	ug/L	94	4		74	110	20
	Acrolein	100	97.2	ug/L	97	1		51	143	20
	Acrylonitrile	100	100	ug/L	100	10		73	113	20
	Acetone	100	100	ug/L	100	10		60	125	20
	Carbon disulfide	20	17.6	ug/L	88	7		64	112	20
	Methyl tert-butyl Ether	20	20.3	ug/L	102	0		78	114	20
	Methyl Acetate	20	22.4	ug/L	112	3		67	125	20
	Methylene Chloride	20	19.7	ug/L	99	1		72	114	20
	trans-1,2-Dichloroethene	20	19.1	ug/L	96	6		75	108	20
	Vinyl Acetate	100	100	ug/L	100	0		76	115	20
	1,1-Dichloroethane	20	19.7	ug/L	99	2		78	112	20
	Cyclohexane	20	19.4	ug/L	97	1		75	110	20
	2-Butanone	100	110	ug/L	110	0		65	122	20
	Carbon Tetrachloride	20	20.9	ug/L	104	1		77	113	20
	2,2-Dichloropropane	20	19.3	ug/L	97	2		75	116	20
	cis-1,2-Dichloroethene	20	20.3	ug/L	102	1		77	110	20
	Bromochloromethane	20	21.0	ug/L	105	3		70	124	20
	Chloroform	20	20.6	ug/L	103	0		79	113	20
	1,1,1-Trichloroethane	20	19.9	ug/L	100	2		80	108	20
	Methylcyclohexane	20	20.2	ug/L	101	1		72	115	20
	1,1-Dichloropropene	20	19.6	ug/L	98	2		79	110	20
	Benzene	20	20.4	ug/L	102	2		82	109	20
	1,2-Dichloroethane	20	22.3	ug/L	112	6		80	115	20
	Trichloroethene	20	20.7	ug/L	104	3		77	113	20
	1,2-Dichloropropane	20	21.1	ug/L	106	4		83	111	20
	Dibromomethane	20	21.1	ug/L	106	2		82	110	20
	Bromodichloromethane	20	22.0	ug/L	110	2		83	110	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	9	*	74	118	20
	Toluene	20	21.1	ug/L	106	3		82	110	20
	t-1,3-Dichloropropene	20	20.7	ug/L	104	6		79	110	20
	cis-1,3-Dichloropropene	20	21.1	ug/L	106	3		82	110	20
	1,1,2-Trichloroethane	20	21.9	ug/L	110	7		83	112	20
	1,3-Dichloropropane	20	21.8	ug/L	109	5		83	111	20
	2-Chloroethyl vinyl ether	100	100	ug/L	100	2		75	124	20
	2-Hexanone	100	120	ug/L	120	9	*	73	117	20
	Dibromochloromethane	20	22.0	ug/L	110	4		82	110	20
	1,2-Dibromoethane	20	21.8	ug/L	109	6		81	110	20
	Tetrachloroethene	20	20.5	ug/L	103	2		67	123	20
	Chlorobenzene	20	20.4	ug/L	102	1		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1370

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044980.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0218WBSD01	1,1,1,2-Tetrachloroethane	20	20.7	ug/L	104	2		84	111	20
	Hexachloroethane	20	18.8	ug/L	94	0		80	113	20
	Ethyl Benzene	20	20.3	ug/L	102	1		83	109	20
	m/p-Xylenes	40	41.9	ug/L	105	3		82	110	20
	o-Xylene	20	20.1	ug/L	101	1		83	109	20
	Styrene	20	21.3	ug/L	106	1		80	111	20
	Bromoform	20	22.0	ug/L	110	3	*	79	109	20
	Isopropylbenzene	20	19.5	ug/L	98	1		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	5		76	118	20
	1,2,3-Trichloropropane	20	20.3	ug/L	102	2		75	112	20
	Bromobenzene	20	19.8	ug/L	99	0		77	116	20
	N-propylbenzene	20	19.4	ug/L	97	1		83	112	20
	2-Chlorotoluene	20	19.2	ug/L	96	0		83	110	20
	1,3,5-Trimethylbenzene	20	19.9	ug/L	100	1		85	112	20
	4-Chlorotoluene	20	19.8	ug/L	99	1		82	110	20
	tert-Butylbenzene	20	20.2	ug/L	101	2		83	112	20
	1,2,4-Trimethylbenzene	20	20.3	ug/L	102	0		85	111	20
	Sec-butylbenzene	20	20.1	ug/L	101	2		81	114	20
	p-Isopropyltoluene	20	20.5	ug/L	103	2		78	116	20
	1,3-Dichlorobenzene	20	20.1	ug/L	101	0		82	108	20
	1,4-Dichlorobenzene	20	19.9	ug/L	100	0		82	107	20
	n-Butylbenzene	20	20.6	ug/L	103	1		75	115	20
	1,2-Dichlorobenzene	20	20.6	ug/L	103	1		82	109	20
	1,2-Dibromo-3-Chloropropane	20	20.9	ug/L	104	7		68	112	20
	1,2,4-Trichlorobenzene	20	19.8	ug/L	99	2		75	113	20
	Hexachlorobutadiene	20	20.7	ug/L	104	3		81	121	20
	Naphthalene	20	20.0	ug/L	100	2		78	119	20
	1,2,3-Trichlorobenzene	20	20.2	ug/L	101	0		76	114	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0218WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1370 SAS No.: Q1370 SDG NO.: Q1370

Lab File ID: VX044978.D Lab Sample ID: VX0218WBL01

Date Analyzed: 02/18/2025 Time Analyzed: 11:31

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0218WBS01	VX0218WBS01	VX044979.D	02/18/2025
VX0218WBSD01	VX0218WBSD01	VX044980.D	02/18/2025
Storage-Blank-SOIL-REF-6	Q1370-01	VX044983.D	02/18/2025
Storage-Blank-WATER-REF-5	Q1370-02	VX044984.D	02/18/2025
Storage-Blank-WATER-REF-4	Q1370-03	VX044985.D	02/18/2025
Storage-Blank-SAMPLE-MANAGEMENT	Q1370-04	VX044986.D	02/18/2025

COMMENTS:

Raw Data: **VX044867.D**

Alliance TECHNICAL GROUP
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1370 SAS No.: Q1370 SDG NO.: Q1370

Lab File ID: VX044867.D BFB Injection Date: 02/10/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:35

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	19.7
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	72.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.2) 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	VX044868.D	02/10/2025	10:25
VSTDICC005	VSTDICC005	VX044869.D	02/10/2025	10:48
VSTDICC020	VSTDICC020	VX044870.D	02/10/2025	11:11
VSTDICCC050	VSTDICCC050	VX044871.D	02/10/2025	11:34
VSTDICC100	VSTDICC100	VX044872.D	02/10/2025	12:05
VSTDICC150	VSTDICC150	VX044873.D	02/10/2025	12:28

Raw Data: **VX044975.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1370 SAS No.: Q1370 SDG NO.: Q1370

Lab File ID: VX044975.D BFB Injection Date: 02/18/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:46

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	20.5
75	30.0 - 60.0% of mass 95	53.4
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	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5 (7.2) 1
176	95.0 - 101.0% of mass 174	65.8 (95.3) 1
177	5.0 - 9.0% of mass 176	4.7 (7.2) 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	VX044976.D	02/18/2025	10:45
VX0218WBL01	VX0218WBL01	VX044978.D	02/18/2025	11:31
VX0218WBS01	VX0218WBS01	VX044979.D	02/18/2025	11:54
VX0218WBSD01	VX0218WBSD01	VX044980.D	02/18/2025	12:20
Storage-Blank-SOIL-REF-6	Q1370-01	VX044983.D	02/18/2025	13:28
Storage-Blank-WATER-REF-5	Q1370-02	VX044984.D	02/18/2025	13:51
Storage-Blank-WATER-REF-4	Q1370-03	VX044985.D	02/18/2025	14:14
Storage-Blank-SAMPLE-MANAGEMENT	Q1370-04	VX044986.D	02/18/2025	14:37

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1370 SAS No.: Q1370 SDG NO.: Q1370

Lab File ID: VX044976.D Date Analyzed: 02/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:45

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	118005	5.54	207185	6.75	183597	10.05
UPPER LIMIT	236010	6.038	414370	7.251	367194	10.549
LOWER LIMIT	59002.5	5.038	103593	6.251	91798.5	9.549
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	83524	5.54	172995	6.76	158844	10.05
Storage-Blank-WATER-REF-5	83627	5.55	175558	6.76	156088	10.05
Storage-Blank-WATER-REF-4	81998	5.54	168065	6.76	150248	10.05
Storage-Blank-SAMPLE-MANAGEMEN	88656	5.54	178291	6.76	164456	10.05
VX0218WBL01	92895	5.55	191012	6.76	185140	10.05
VX0218WBS01	109899	5.54	202747	6.76	177300	10.05
VX0218WBSD01	102760	5.54	182711	6.75	163817	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.: Q1370 SAS No.: Q1370 SDG NO.: Q1370

Lab File ID: VX044976.D Date Analyzed: 02/18/2025

Instrument ID: MSVOA_X Time Analyzed: 10:45

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

	IS4 AREA #	RT #				
12 HOUR STD	88801	12.018				
UPPER LIMIT	177602	12.518				
LOWER LIMIT	44400.5	11.518				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	67038	12.02				
Storage-Blank-WATER-REF-5	65829	12.02				
Storage-Blank-WATER-REF-4	63533	12.02				
Storage-Blank-SAMPLE-MANAGEME	69682	12.02				
VX0218WBL01	91305	12.02				
VX0218WBS01	83521	12.02				
VX0218WBSD01	77597	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1370
Lab Sample ID:	Q1370-01	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
VX044983.D	1		02/18/25 13:28	VX021825

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	UQ	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	UQ	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: **VX044983.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1370
Lab Sample ID:	Q1370-01	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
VX044983.D	1		02/18/25 13:28	VX021825

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	UQ	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	UQ	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	UQ	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: **VX044983.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1370
Lab Sample ID:	Q1370-01	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
VX044983.D	1		02/18/25 13:28	VX021825

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	56.6		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83500	5.544			
540-36-3	1,4-Difluorobenzene	173000	6.757			
3114-55-4	Chlorobenzene-d5	159000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	67000	12.018			

Raw Data: **VX044983.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1370
Lab Sample ID:	Q1370-01	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
VX044983.D	1		02/18/25 13:28	VX021825

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\VX021825\
Data File : VX044983.D
Acq On : 18 Feb 2025 13:28
Operator : JC/MD
Sample : Q1370-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 18 14:24:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67038	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69243	56.63	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.26%			
35) Dibromofluoromethane	5.379	113	57259	50.91	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.82%			
50) Toluene-d8	8.641	98	216870	50.99	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.98%			
62) 4-Bromofluorobenzene	11.079	95	74801	52.17	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.34%			
Target Compounds						Qvalue

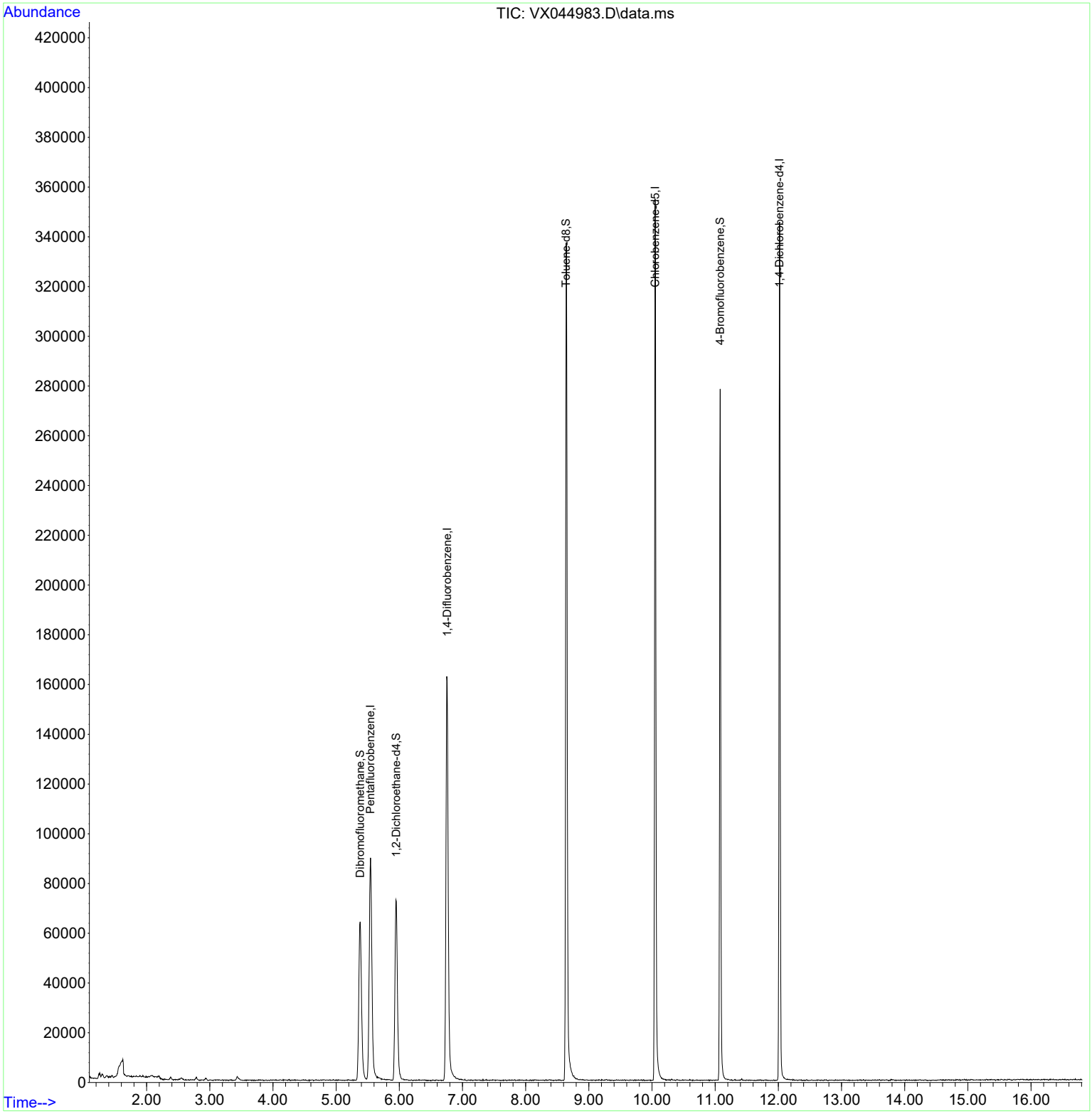
(#) = qualifier out of range (m) = manual integration (+) = signals summed

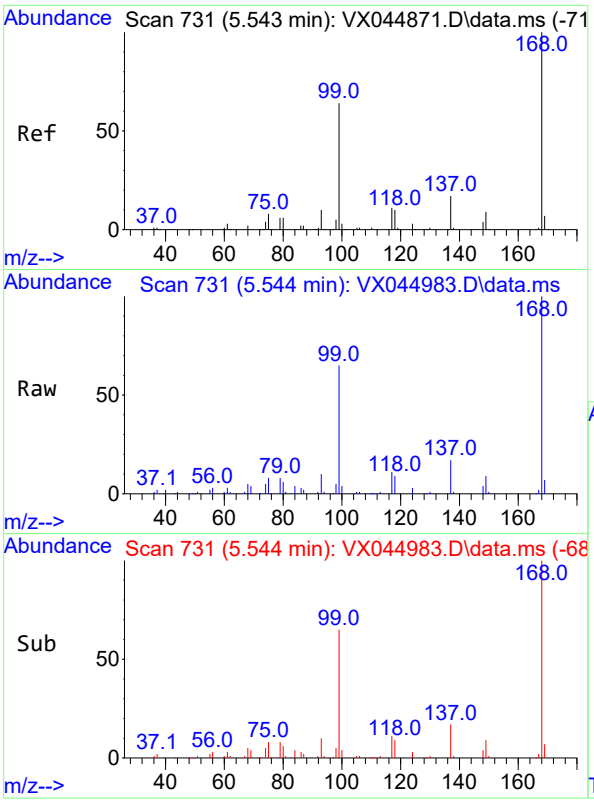
Sample Results: **VX044983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044983.D
Acq On : 18 Feb 2025 13:28
Operator : JC/MD
Sample : Q1370-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Feb 18 14:24:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



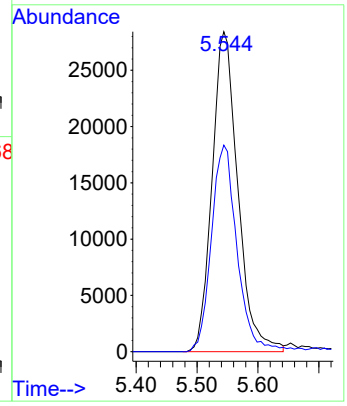


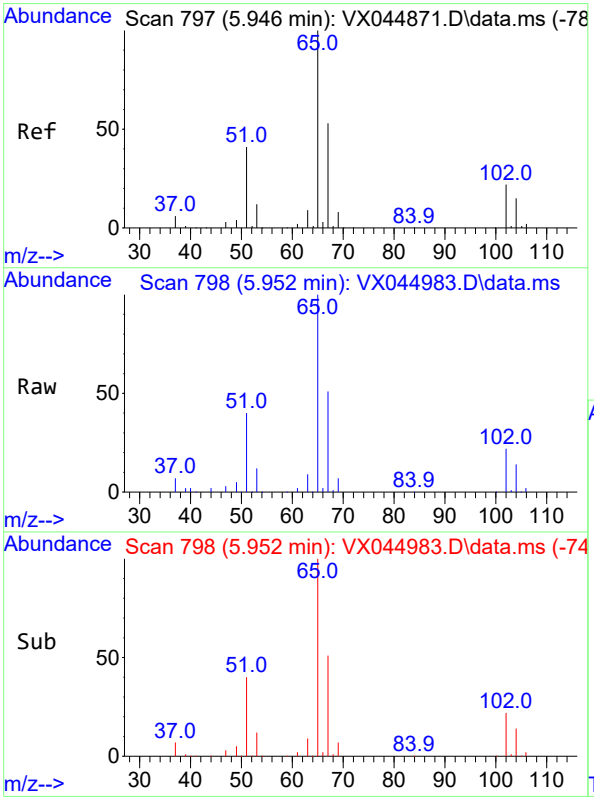
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

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

Tgt Ion:168 Resp: 83524

Ion	Ratio	Lower	Upper
168	100		
99	64.6	51.2	76.8

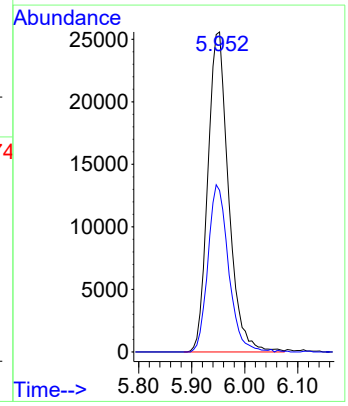


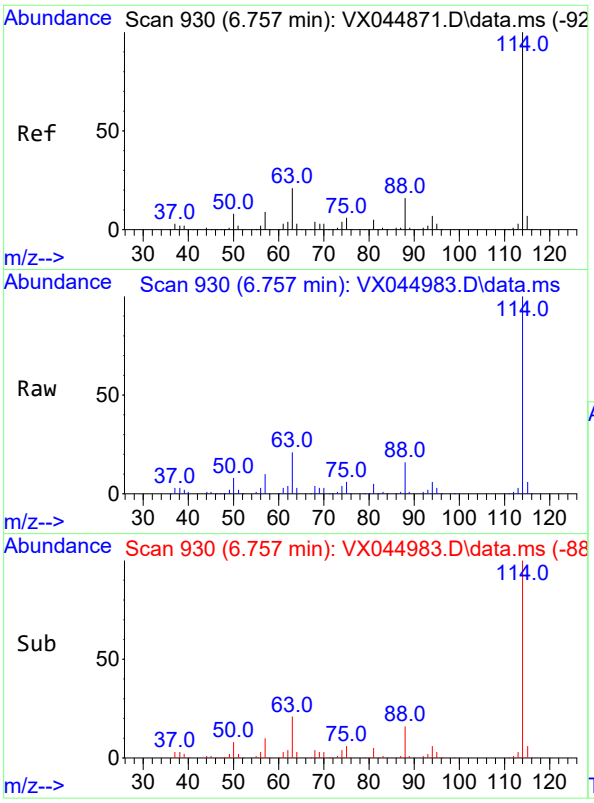


#33
1,2-Dichloroethane-d4
Concen: 56.63 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.007 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

Tgt Ion: 65 Resp: 69243

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	108.2



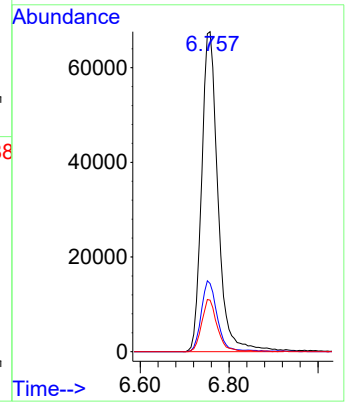


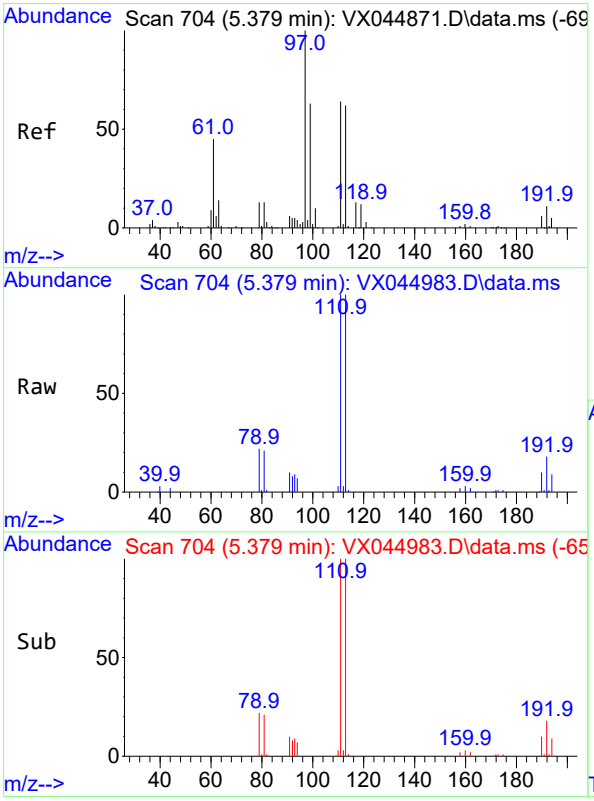
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

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

Tgt Ion:114 Resp: 172995

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	16.1	0.0	31.4

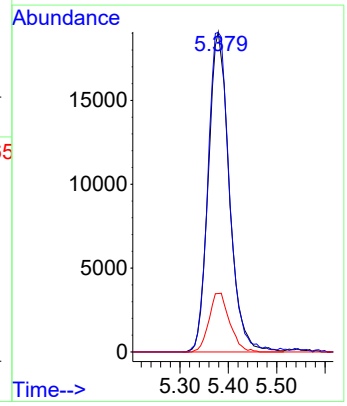


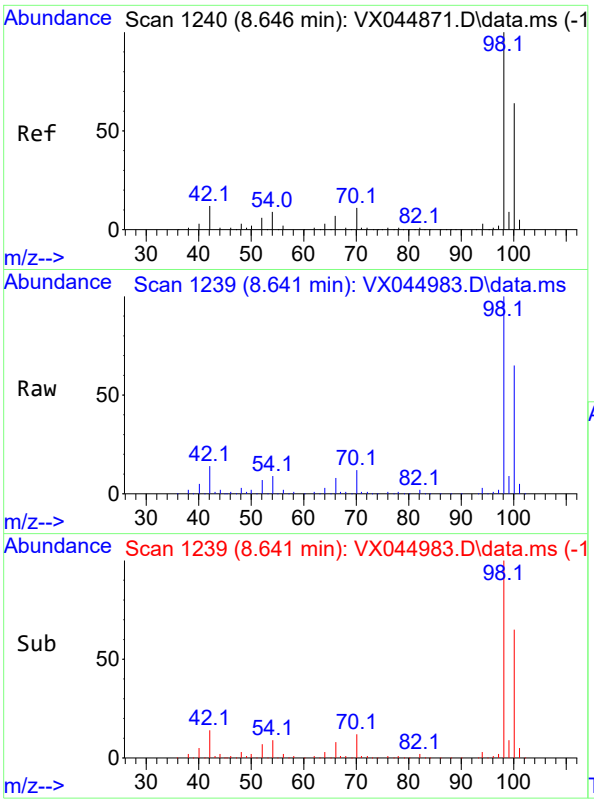


#35
Dibromofluoromethane
Concen: 50.91 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

Tgt Ion:113 Resp: 57259

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.5	125.3
192	18.1	14.4	21.6



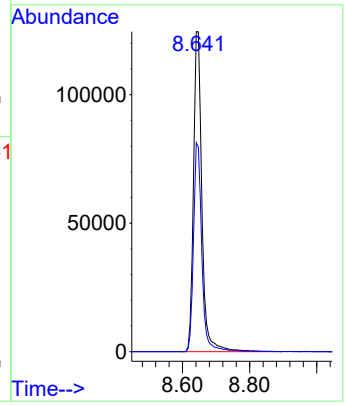


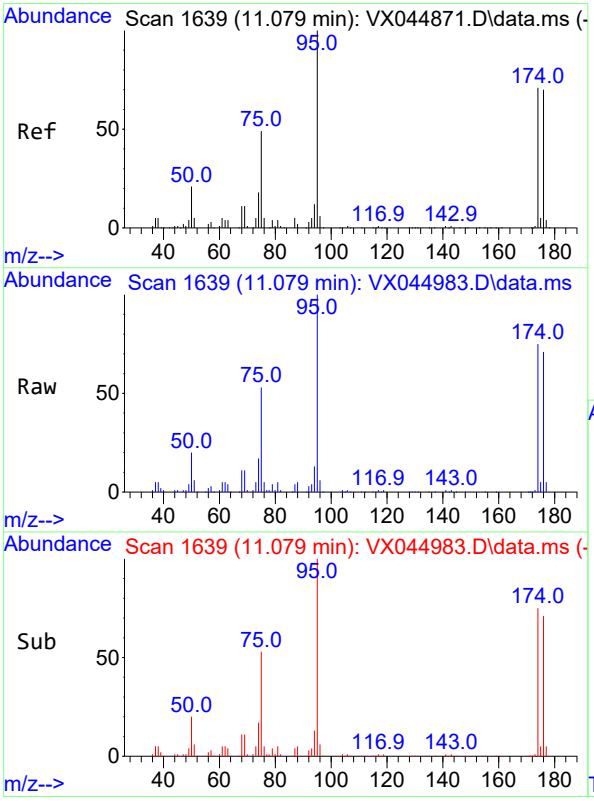
#50
Toluene-d8
Concen: 50.99 ug/l
RT: 8.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

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

Tgt Ion: 98 Resp: 216870

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.7	79.1

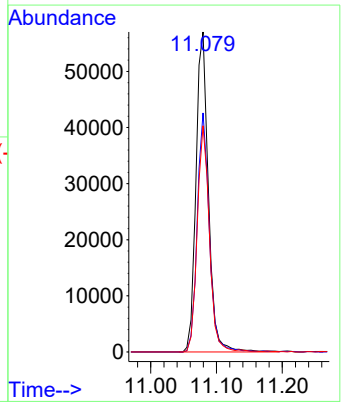


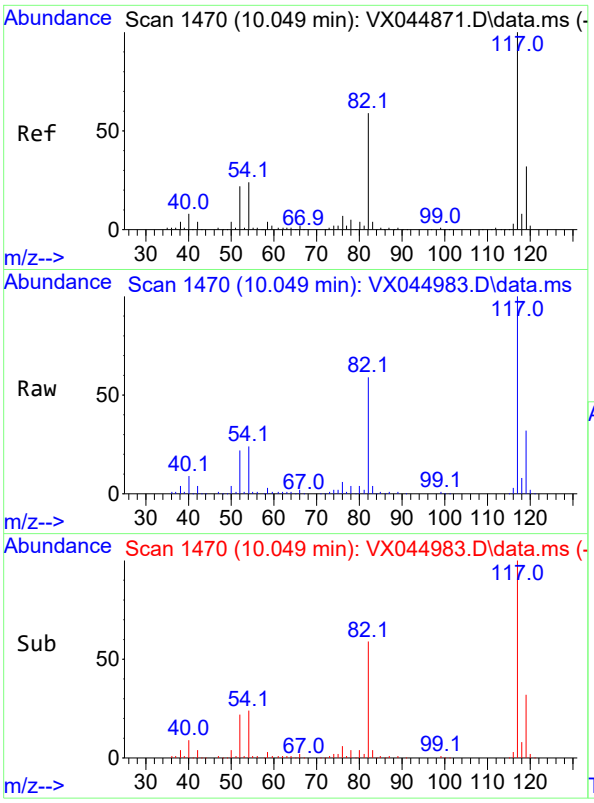


#62
4-Bromofluorobenzene
Concen: 52.17 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

Tgt Ion: 95 Resp: 74801

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	142.6
176	69.5	0.0	141.6



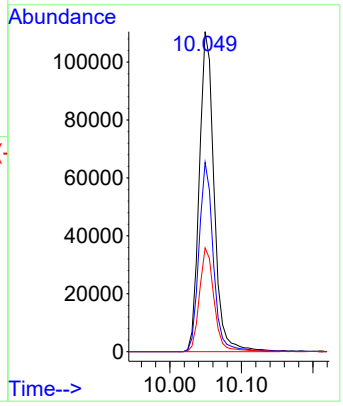


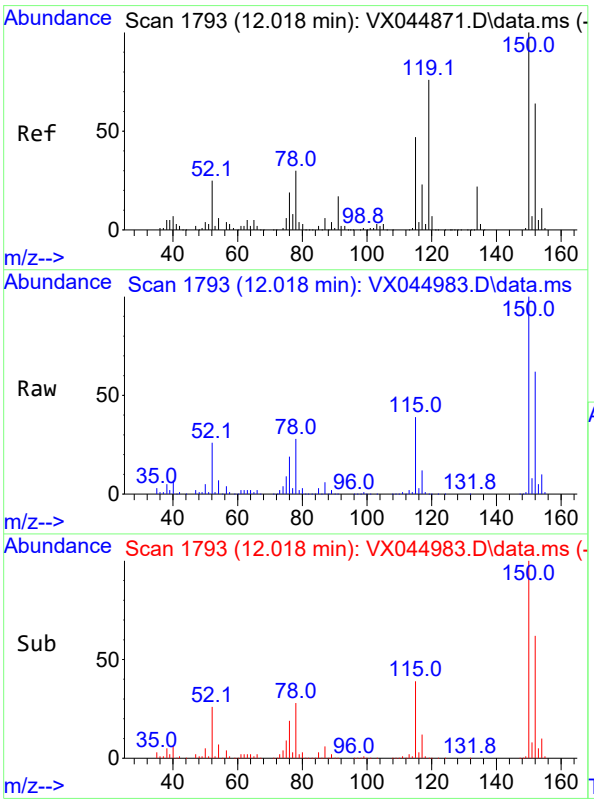
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

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

Tgt Ion:117 Resp: 158844

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.5	71.3
119	32.5	25.4	38.0

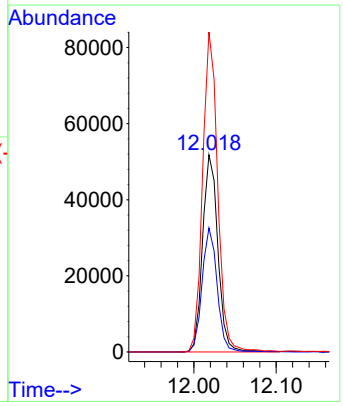




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044983.D
Acq: 18 Feb 2025 13:28

Tgt Ion:152 Resp: 67038

Ion	Ratio	Lower	Upper
152	100		
115	61.9	43.4	130.1
150	159.6	0.0	350.4



Raw Data: **VX044984.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1370
Lab Sample ID:	Q1370-02	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
VX044984.D	1		02/18/25 13:51	VX021825

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	UQ	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	UQ	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: **VX044984.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1370
Lab Sample ID:	Q1370-02	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
VX044984.D	1		02/18/25 13:51	VX021825

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	UQ	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	UQ	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	UQ	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: **VX044984.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1370
Lab Sample ID:	Q1370-02	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
VX044984.D	1		02/18/25 13:51	VX021825

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	57.1		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	83600	5.55			
540-36-3	1,4-Difluorobenzene	176000	6.757			
3114-55-4	Chlorobenzene-d5	156000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65800	12.018			

Raw Data: **VX044984.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1370
Lab Sample ID:	Q1370-02	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
VX044984.D	1		02/18/25 13:51	VX021825

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: **VX044984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044984.D
Acq On : 18 Feb 2025 13:51
Operator : JC/MD
Sample : Q1370-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 18 14:25:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	83627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	156088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65829	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	69865	57.07	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.14%			
35) Dibromofluoromethane	5.379	113	58242	51.03	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.06%			
50) Toluene-d8	8.647	98	216268	50.11	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.22%			
62) 4-Bromofluorobenzene	11.079	95	74582	51.26	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.52%			

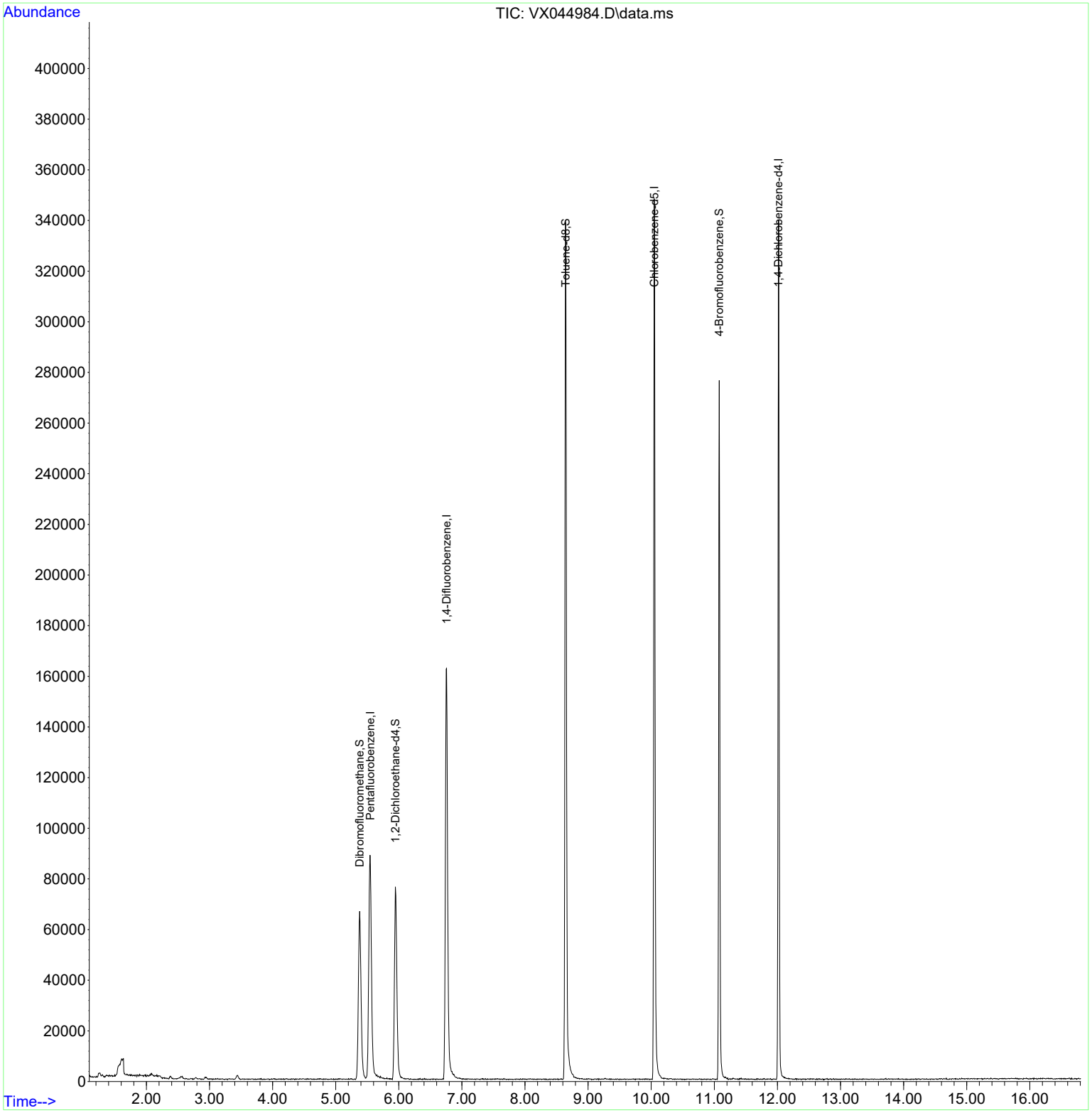
Target Compounds Qvalue

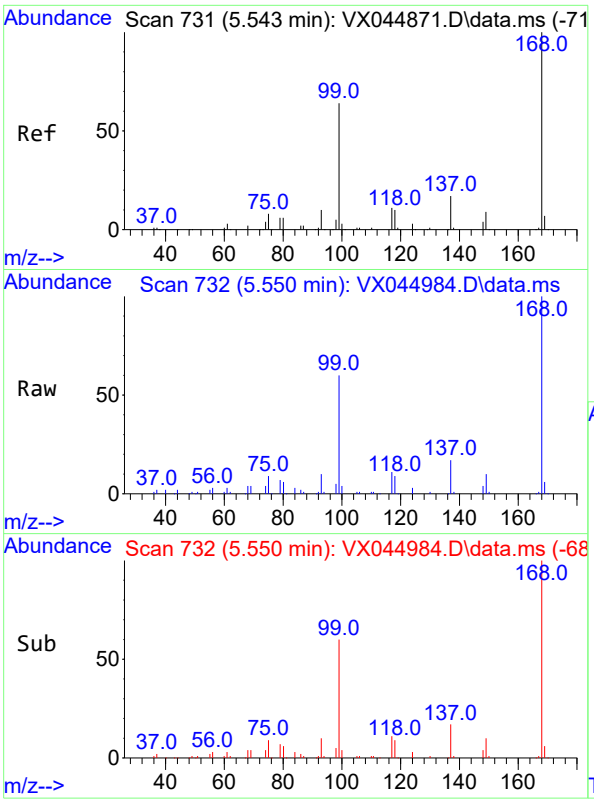
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044984.D
Acq On : 18 Feb 2025 13:51
Operator : JC/MD
Sample : Q1370-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 18 14:25:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



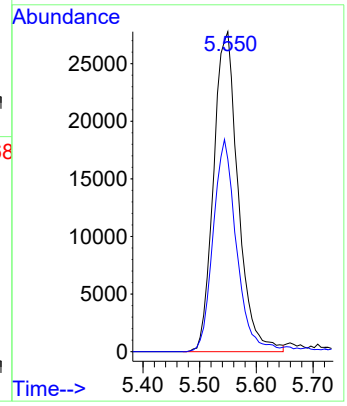


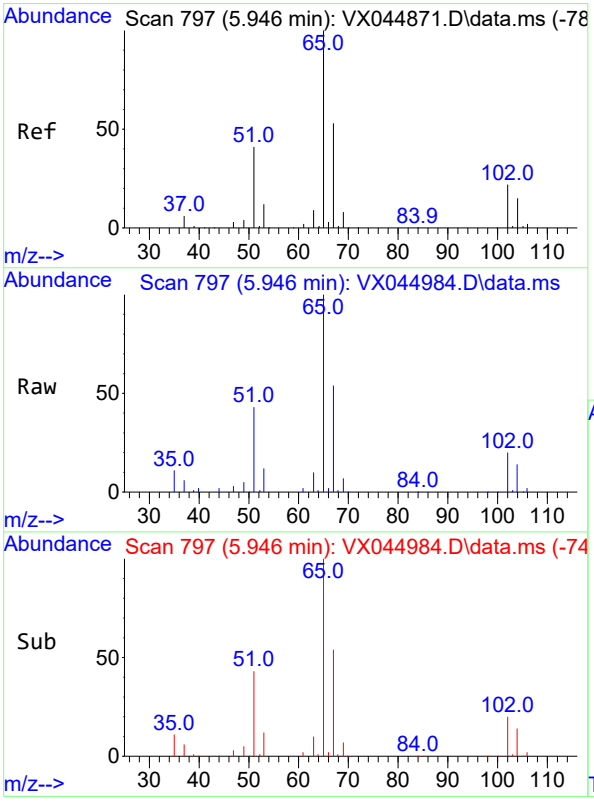
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

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

Tgt Ion:168 Resp: 83627

Ion	Ratio	Lower	Upper
168	100		
99	60.1	51.2	76.8

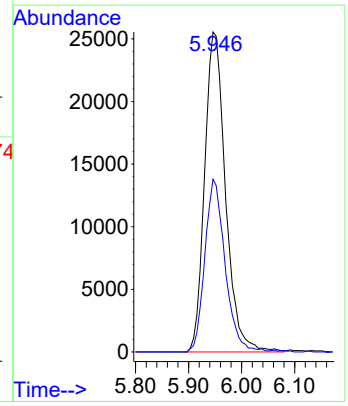


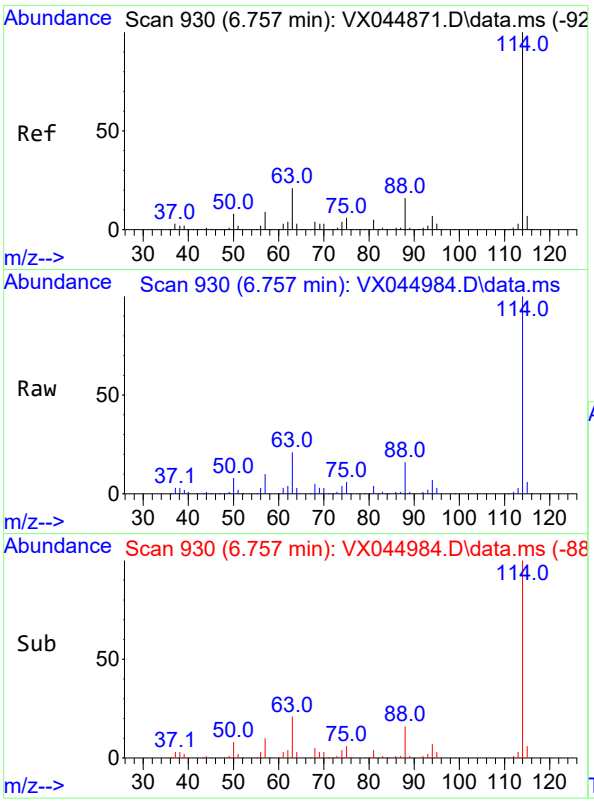


#33
1,2-Dichloroethane-d4
Concen: 57.07 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

Tgt Ion: 65 Resp: 69865

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	108.2



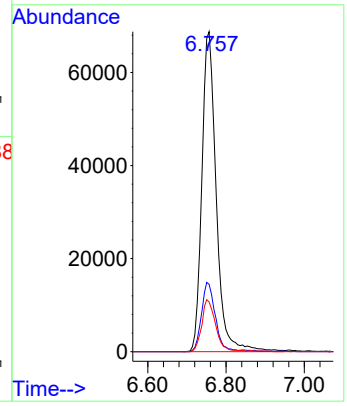


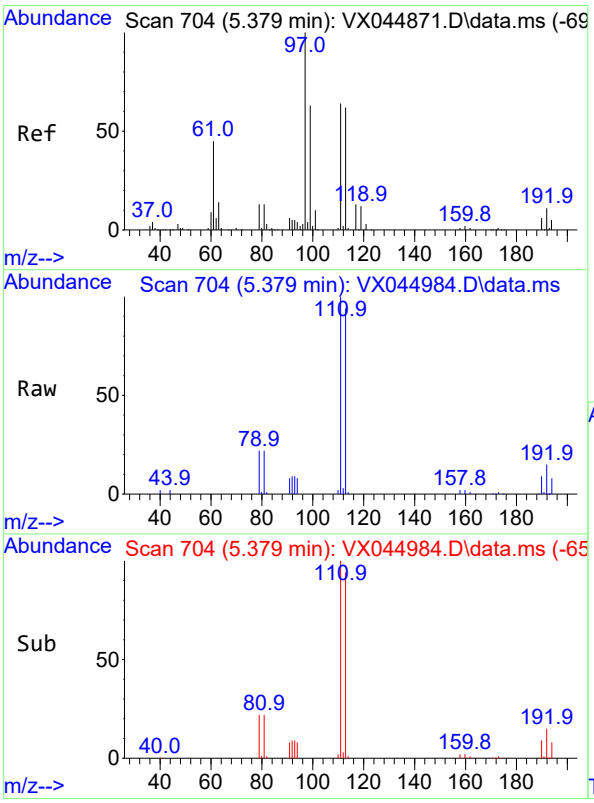
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

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

Tgt Ion:114 Resp: 175558

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	15.5	0.0	31.4

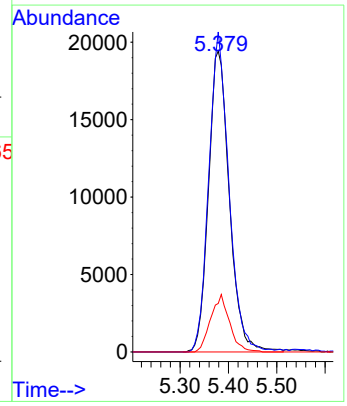


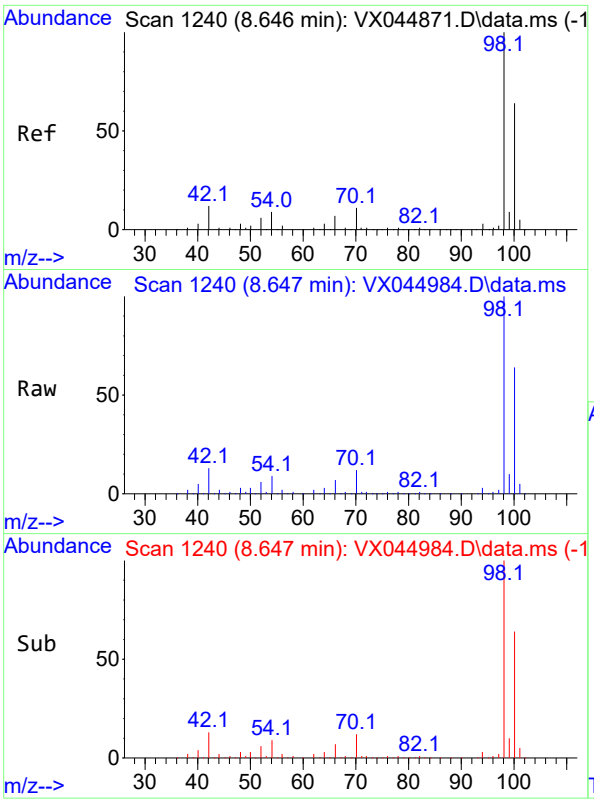


#35
Dibromofluoromethane
Concen: 51.03 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

Tgt Ion:113 Resp: 58242

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.5	125.3
192	17.3	14.4	21.6



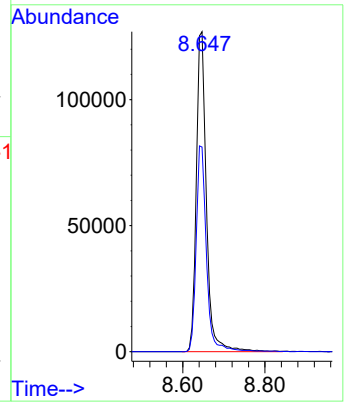


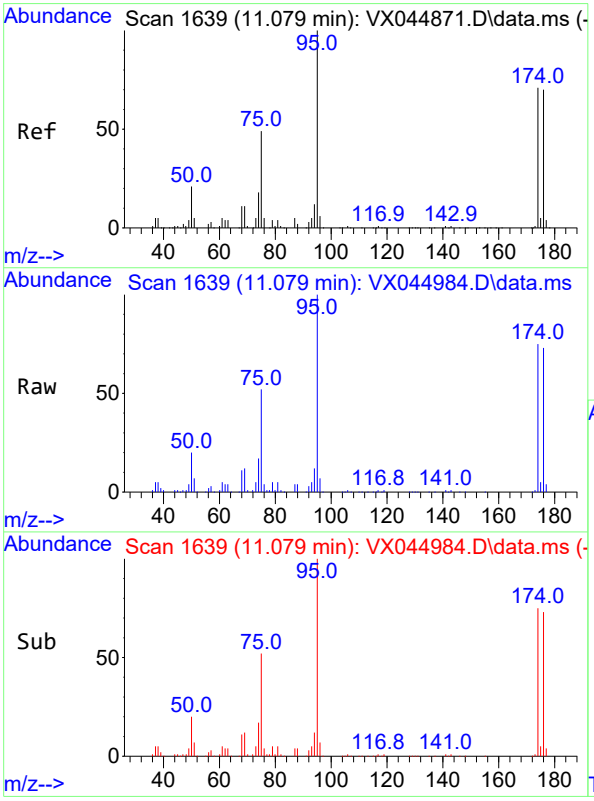
#50
Toluene-d8
Concen: 50.11 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

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

Tgt Ion: 98 Resp: 216268

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

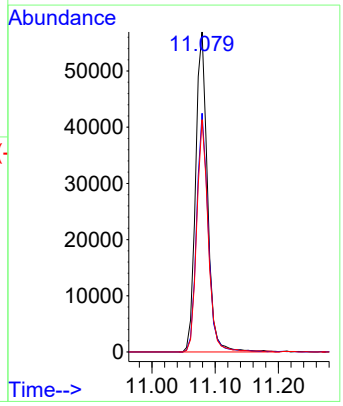


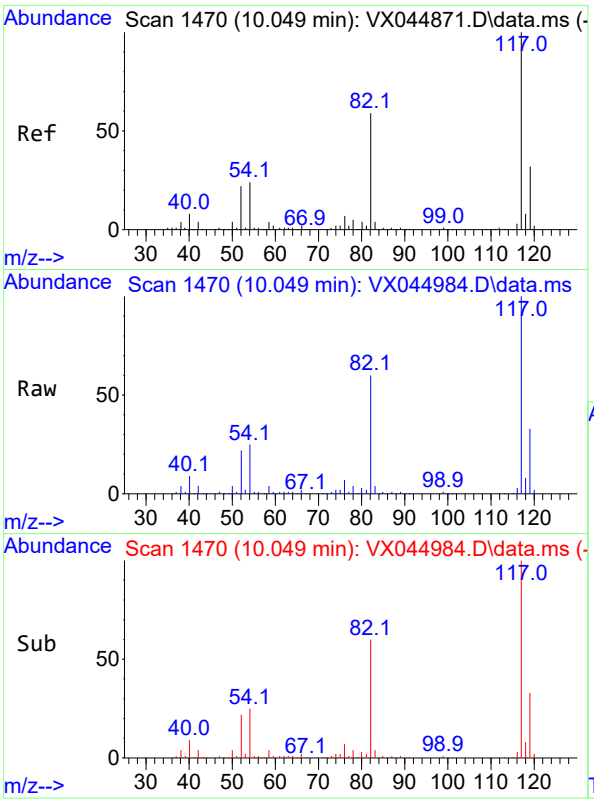


#62
4-Bromofluorobenzene
Concen: 51.26 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

Tgt Ion: 95 Resp: 74582

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	142.6
176	70.1	0.0	141.6



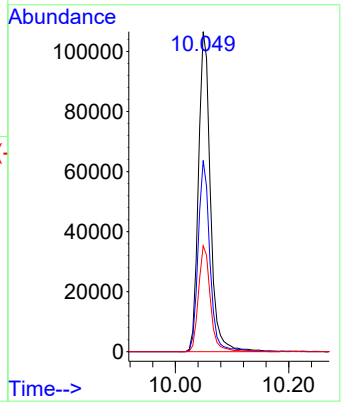


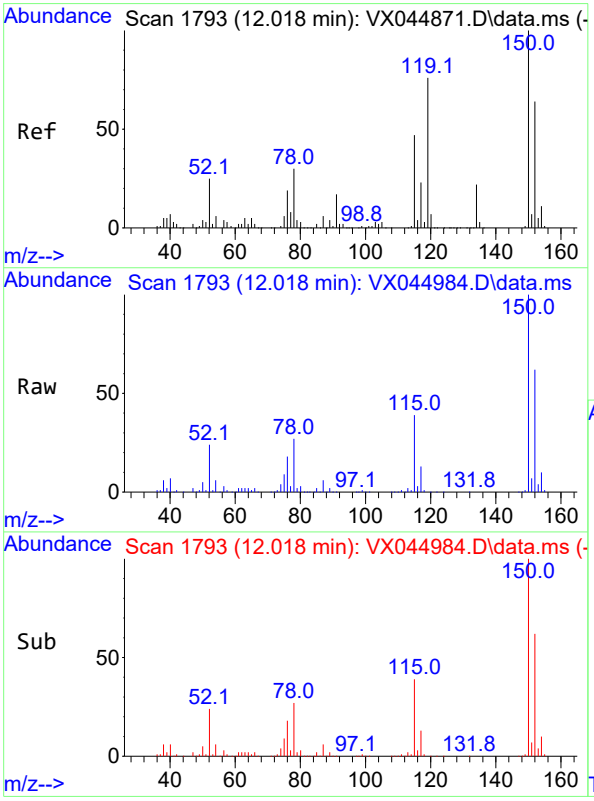
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

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

Tgt Ion:117 Resp: 156088

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.5	71.3
119	33.1	25.4	38.0

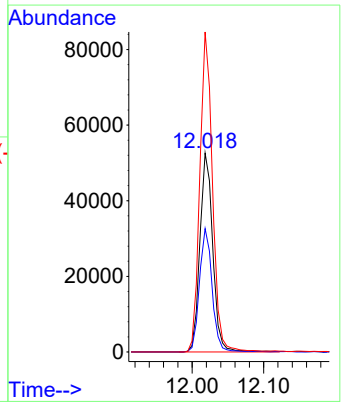




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044984.D
Acq: 18 Feb 2025 13:51

Tgt Ion:152 Resp: 65829

Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.4	130.1
150	158.0	0.0	350.4



Raw Data: **VX044985.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1370
Lab Sample ID:	Q1370-03	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
VX044985.D	1		02/18/25 14:14	VX021825

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	UQ	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	UQ	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: **VX044985.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1370
Lab Sample ID:	Q1370-03	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
VX044985.D	1		02/18/25 14:14	VX021825

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	UQ	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	UQ	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	UQ	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: **VX044985.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1370
Lab Sample ID:	Q1370-03	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
VX044985.D	1		02/18/25 14:14	VX021825

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	56.3		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82000	5.544			
540-36-3	1,4-Difluorobenzene	168000	6.757			
3114-55-4	Chlorobenzene-d5	150000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63500	12.018			

Raw Data: **VX044985.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1370
Lab Sample ID:	Q1370-03	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
VX044985.D	1		02/18/25 14:14	VX021825

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\VX021825\
Data File : VX044985.D
Acq On : 18 Feb 2025 14:14
Operator : JC/MD
Sample : Q1370-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 18 15:28:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	81998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63533	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67557	56.28	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.56%			
35) Dibromofluoromethane	5.379	113	55624	50.90	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.80%			
50) Toluene-d8	8.647	98	205870	49.82	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.64%			
62) 4-Bromofluorobenzene	11.079	95	71224	51.13	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.26%			
Target Compounds						Qvalue

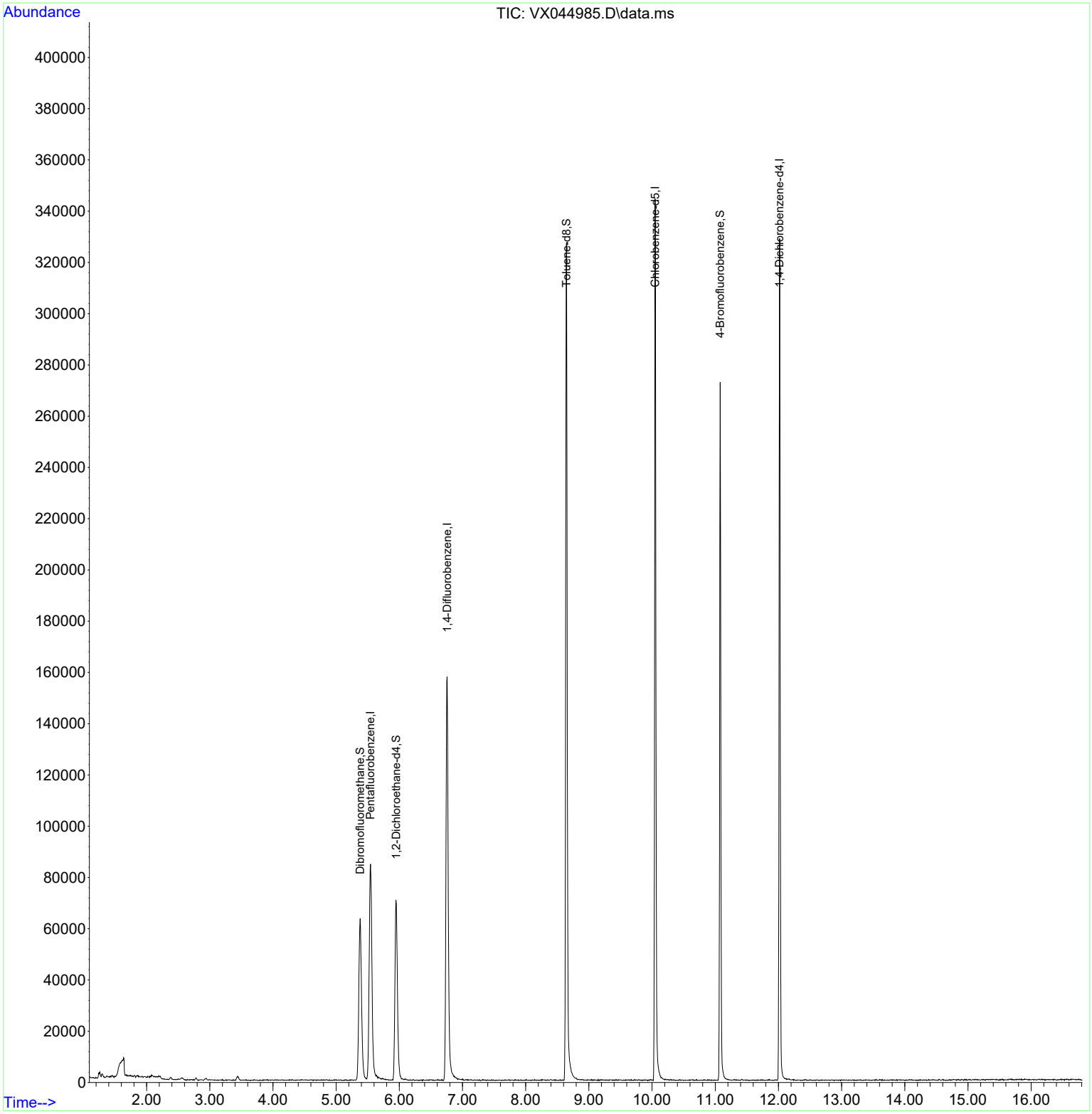
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX044985.D**

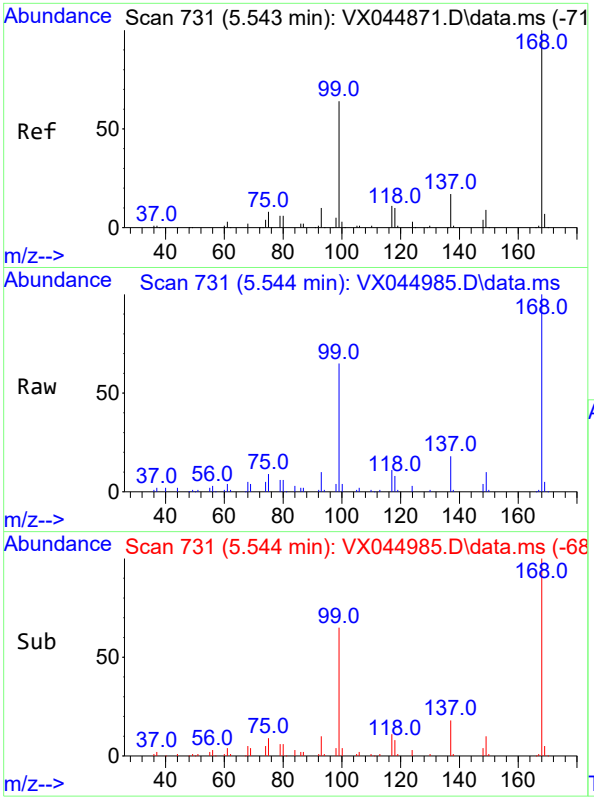
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044985.D
Acq On : 18 Feb 2025 14:14
Operator : JC/MD
Sample : Q1370-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 18 15:28:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



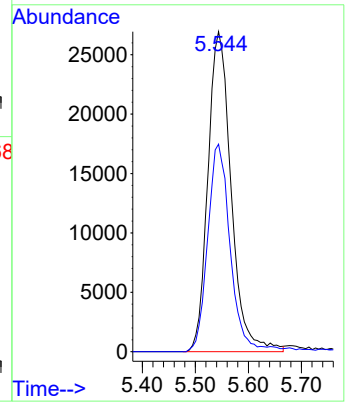
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-WATER-REF-4

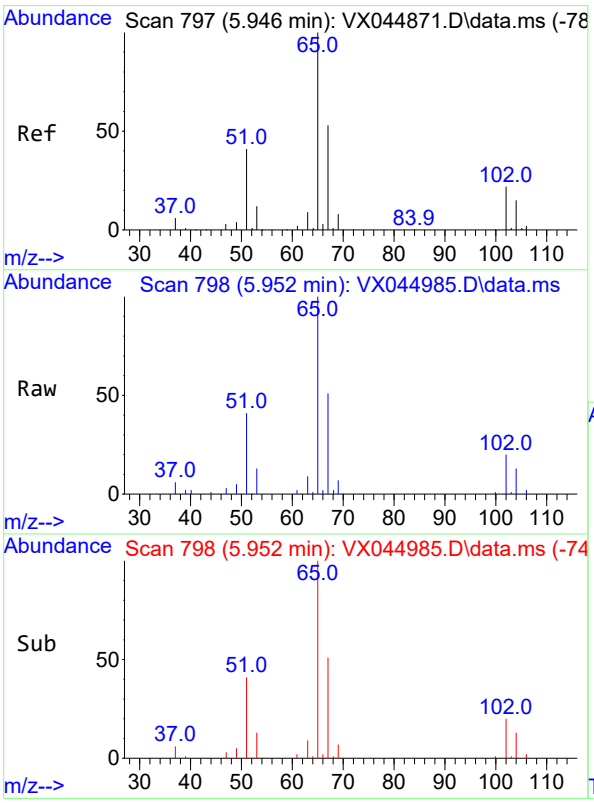


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

Tgt Ion:168 Resp: 81998

Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.2	76.8

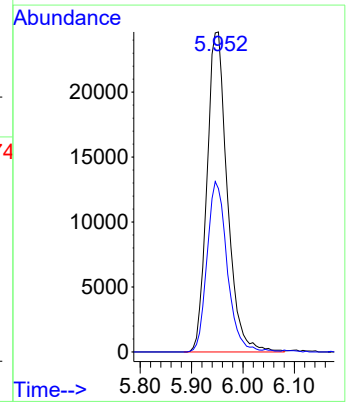


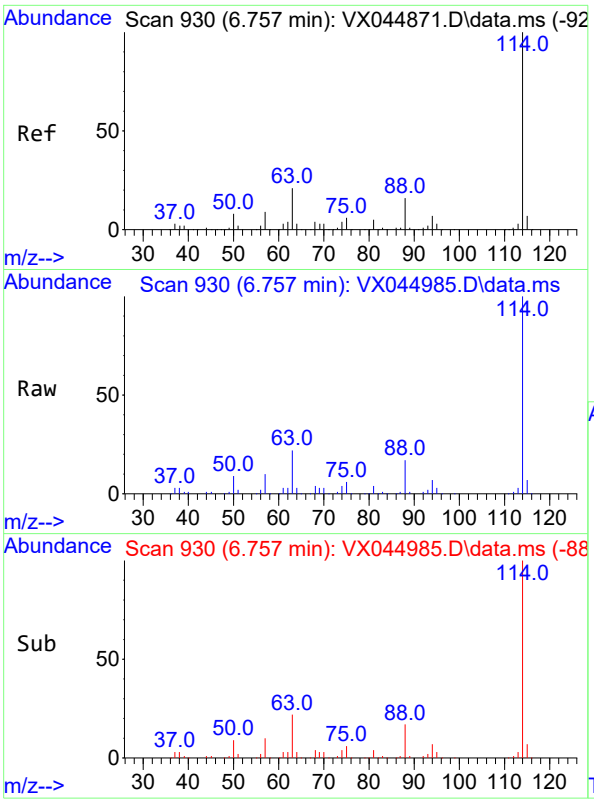


#33
1,2-Dichloroethane-d4
Concen: 56.28 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

Tgt Ion: 65 Resp: 67557

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	108.2



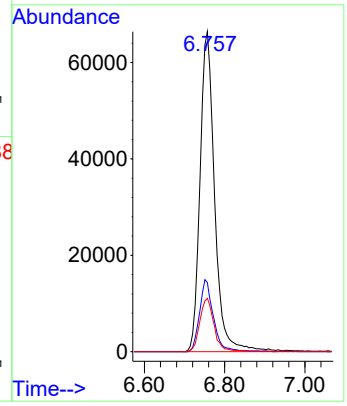


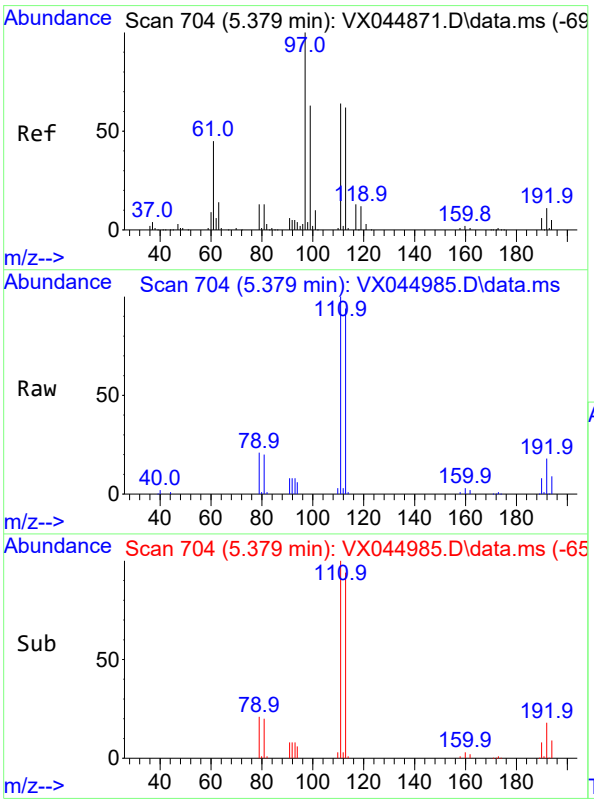
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

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

Tgt Ion:114 Resp: 168065

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.7	0.0	31.4

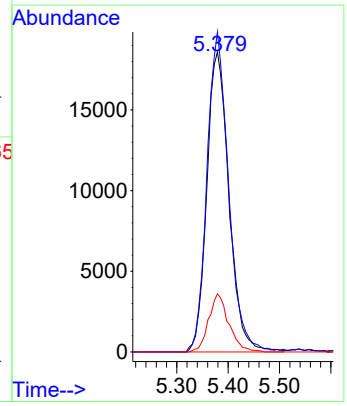


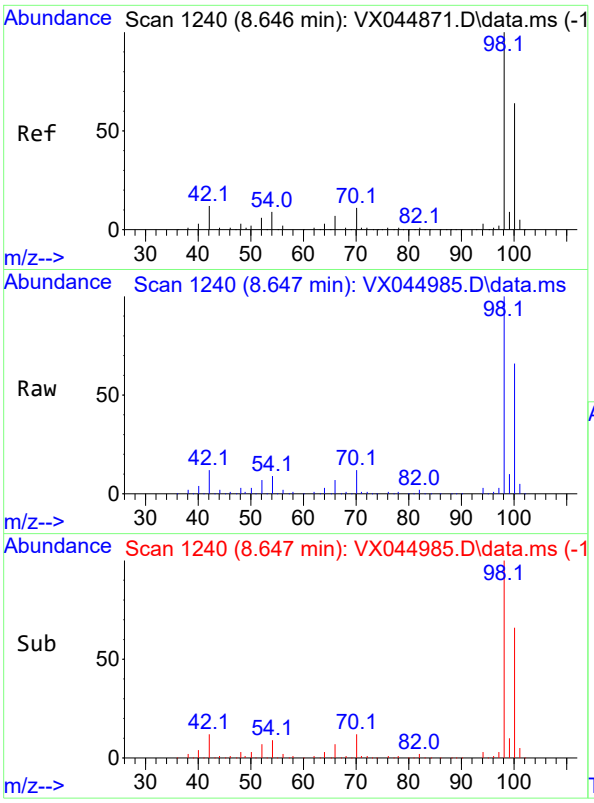


#35
Dibromofluoromethane
Concen: 50.90 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

Tgt Ion:113 Resp: 55624

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.5	125.3
192	17.6	14.4	21.6



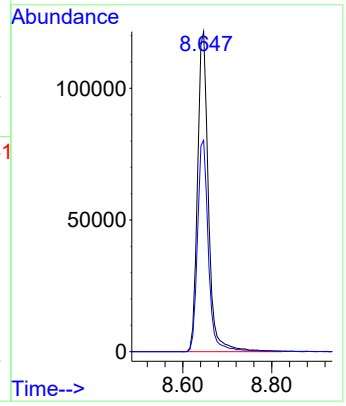


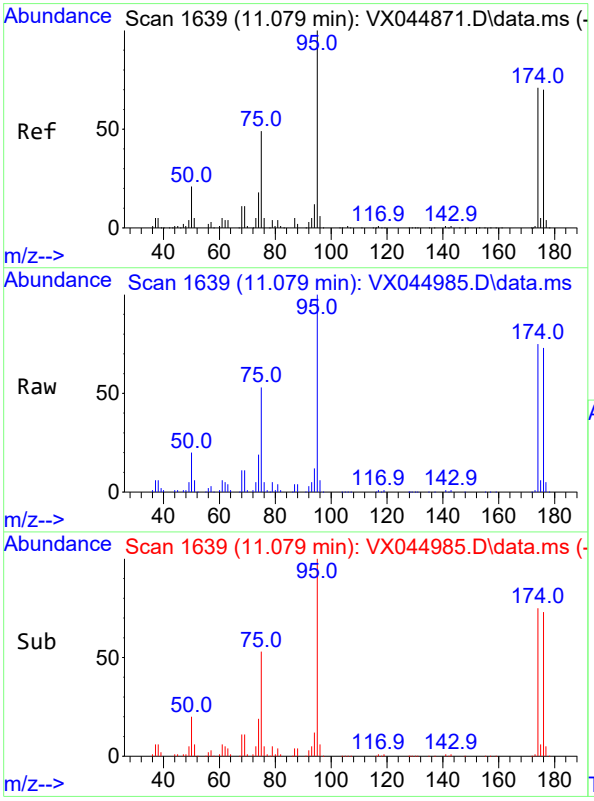
#50
Toluene-d8
Concen: 49.82 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

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

Tgt Ion: 98 Resp: 205870

Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1

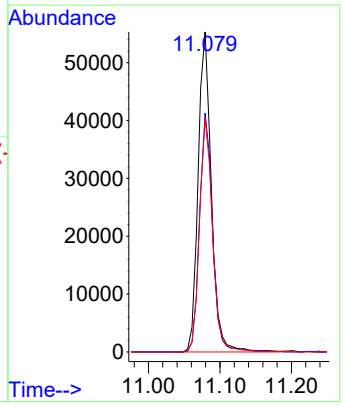


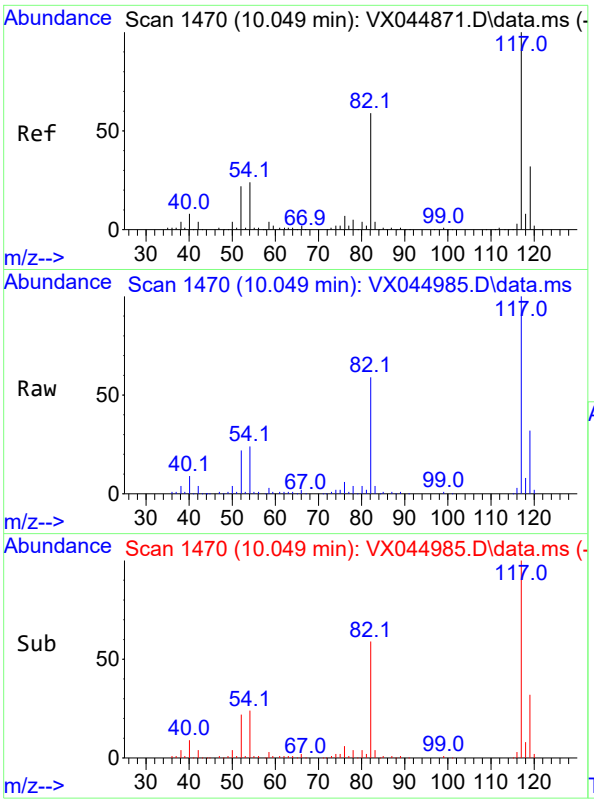


#62
4-Bromofluorobenzene
Concen: 51.13 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

Tgt Ion: 95 Resp: 71224

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	142.6
176	71.6	0.0	141.6



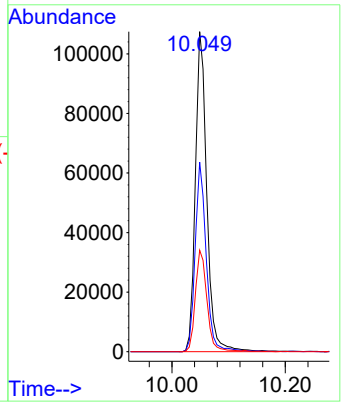


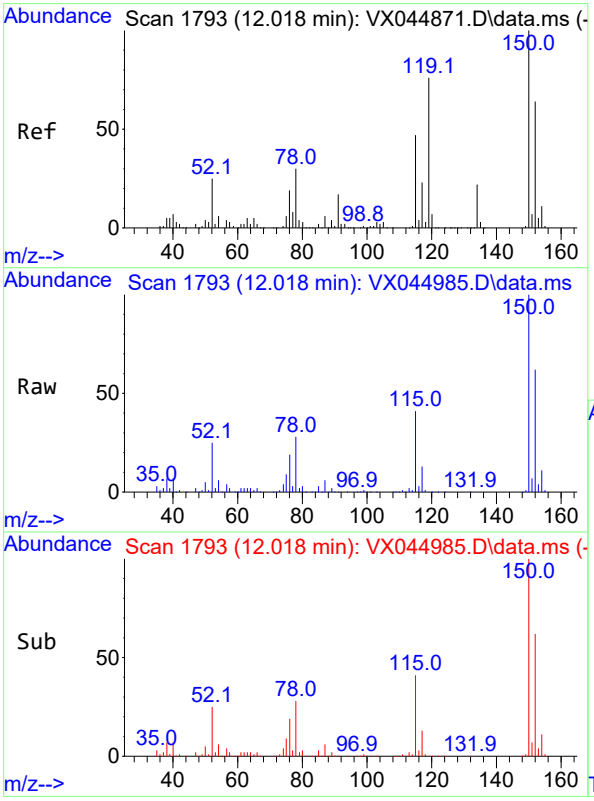
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

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

Tgt Ion:117 Resp: 150248

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.5	71.3
119	31.7	25.4	38.0

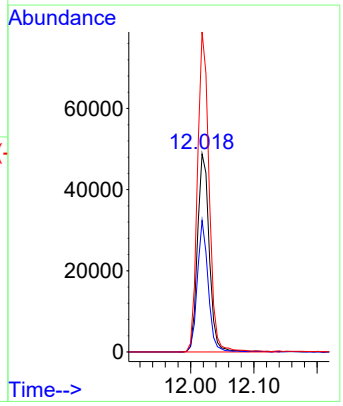




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044985.D
Acq: 18 Feb 2025 14:14

Tgt Ion:152 Resp: 63533

Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.4	130.1
150	158.8	0.0	350.4



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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1370
Lab Sample ID:	Q1370-04	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
VX044986.D	1		02/18/25 14:37	VX021825

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	UQ	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	UQ	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: **VX044986.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1370
Lab Sample ID:	Q1370-04	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
VX044986.D	1		02/18/25 14:37	VX021825

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	UQ	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	UQ	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	UQ	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: **VX044986.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1370
Lab Sample ID:	Q1370-04	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
VX044986.D	1		02/18/25 14:37	VX021825

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	54.8		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88700	5.544			
540-36-3	1,4-Difluorobenzene	178000	6.757			
3114-55-4	Chlorobenzene-d5	164000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	69700	12.018			

Raw Data: **VX044986.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:	02/14/25
Project:	Weekly Storage Blanks	Date Received:	02/14/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1370
Lab Sample ID:	Q1370-04	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
VX044986.D	1		02/18/25 14:37	VX021825

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\VX021825\
Data File : VX044986.D
Acq On : 18 Feb 2025 14:37
Operator : JC/MD
Sample : Q1370-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 18 15:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	88656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	178291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69682	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71090	54.78	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.56%			
35) Dibromofluoromethane	5.379	113	60255	51.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.96%			
50) Toluene-d8	8.647	98	220767	50.36	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.72%			
62) 4-Bromofluorobenzene	11.079	95	76472	51.75	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.50%			

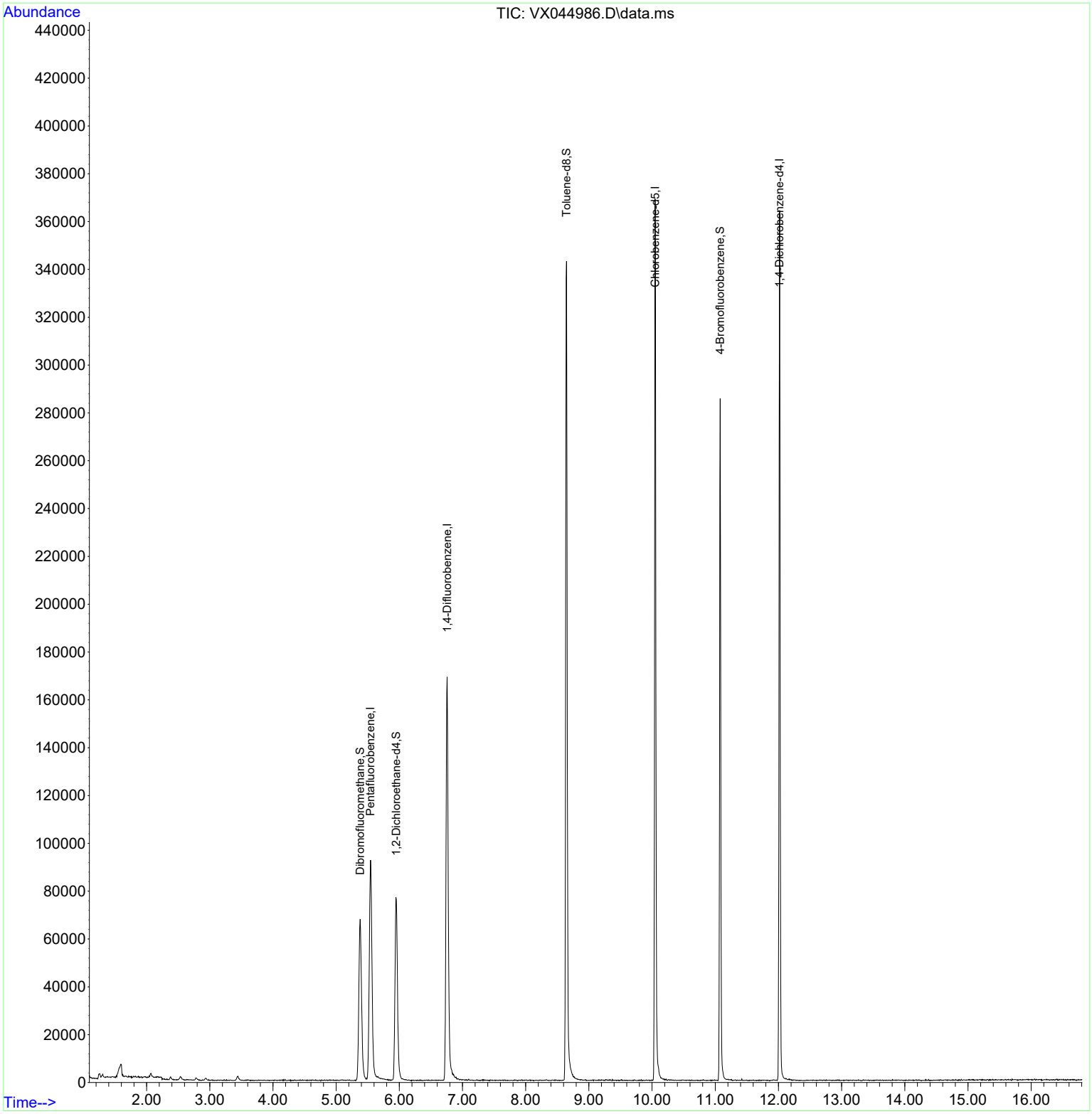
Target Compounds Qvalue

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

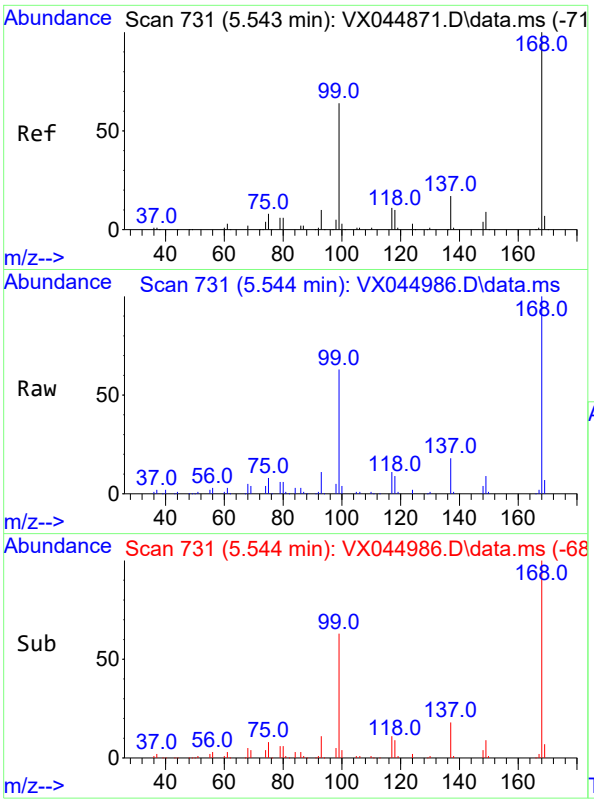
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044986.D
Acq On : 18 Feb 2025 14:37
Operator : JC/MD
Sample : Q1370-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 18 15:29:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



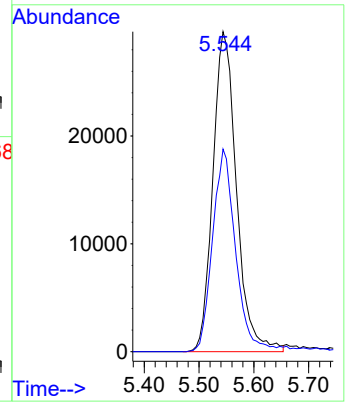
Instrument :
MSVOA_X
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

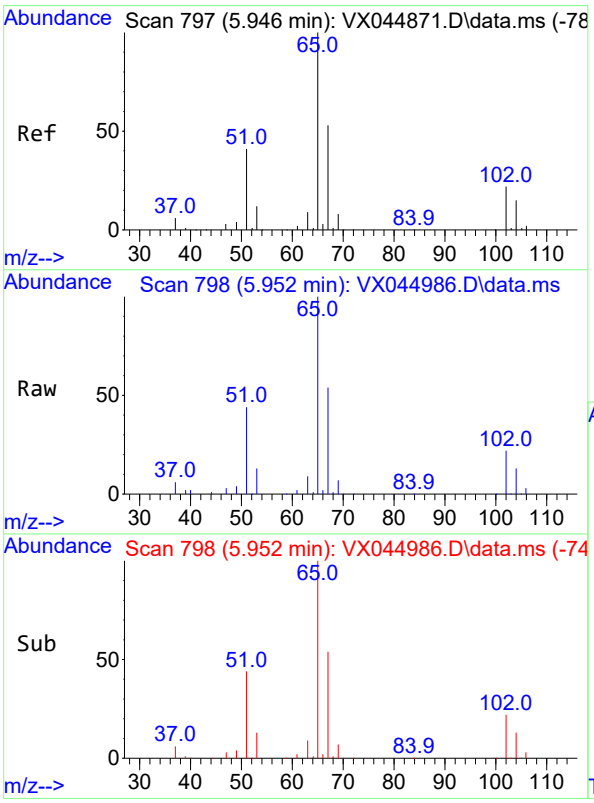


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

Tgt Ion:168 Resp: 88656

Ion	Ratio	Lower	Upper
168	100		
99	63.3	51.2	76.8

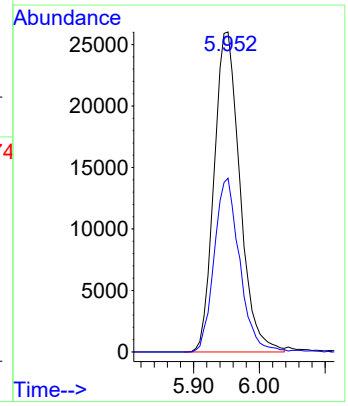


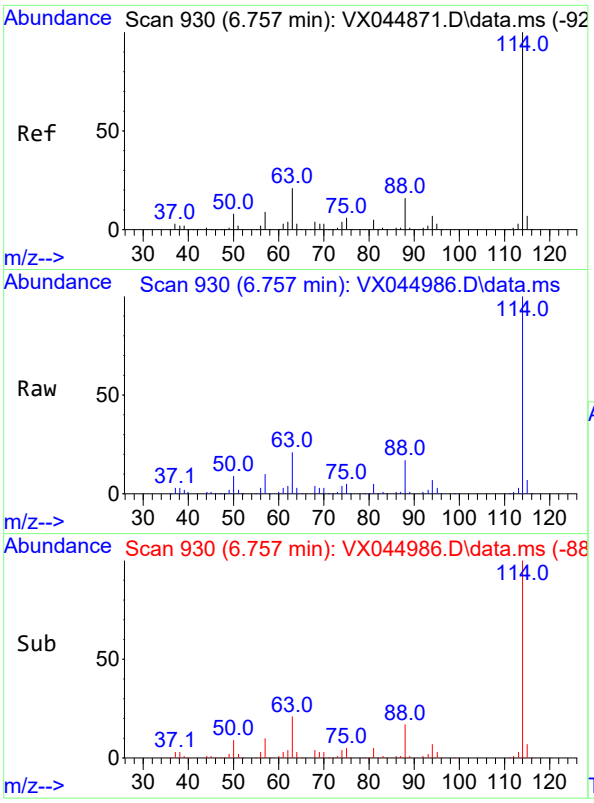


#33
1,2-Dichloroethane-d4
Concen: 54.78 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

Tgt Ion: 65 Resp: 71090

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.2



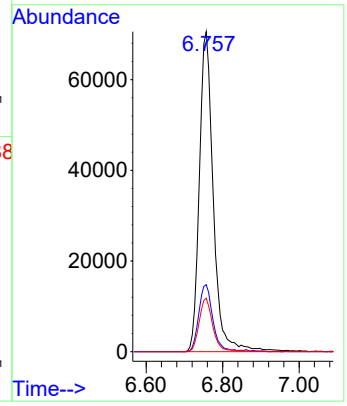


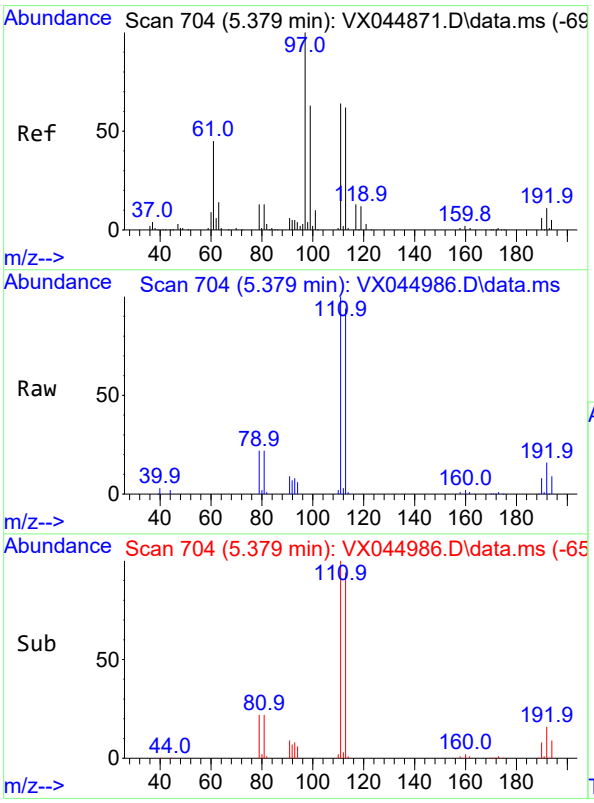
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

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

Tgt Ion:114 Resp: 178291

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.4
88	16.7	0.0	31.4

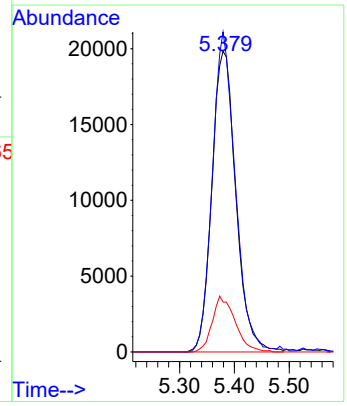


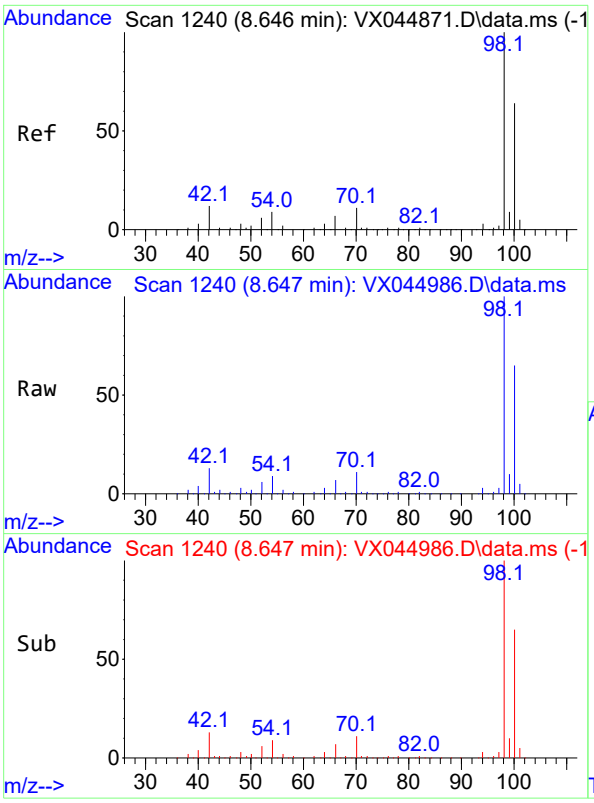


#35
Dibromofluoromethane
Concen: 51.98 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

Tgt Ion:113 Resp: 60255

Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.5	125.3
192	17.7	14.4	21.6



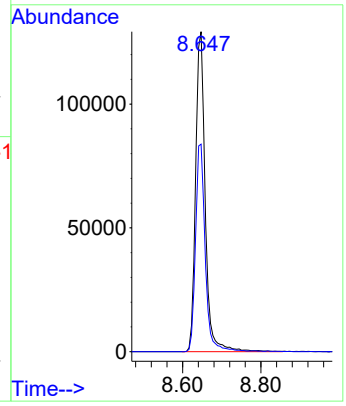


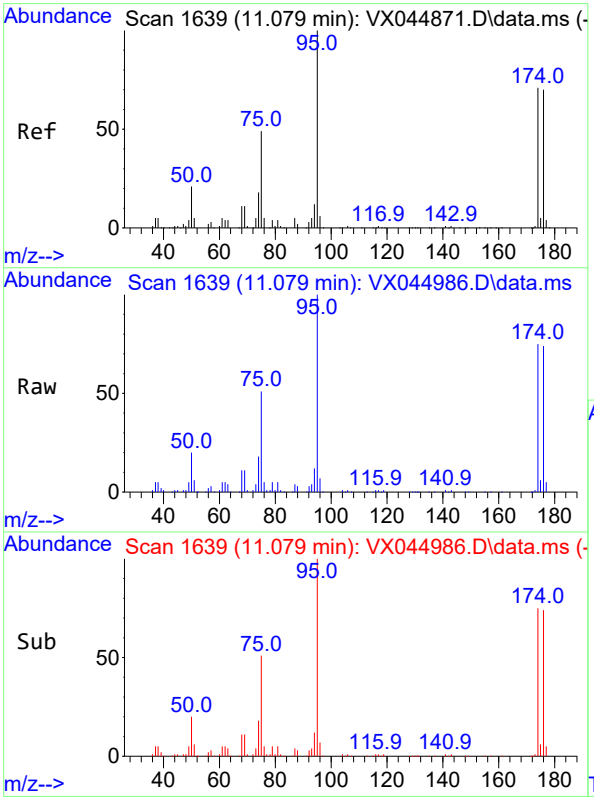
#50
Toluene-d8
Concen: 50.36 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

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

Tgt Ion: 98 Resp: 220767

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

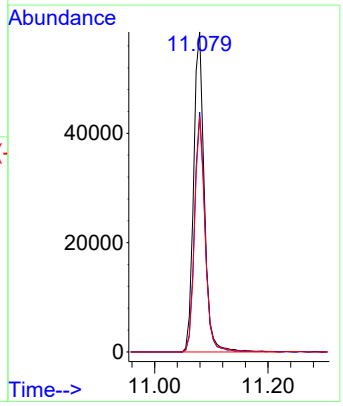


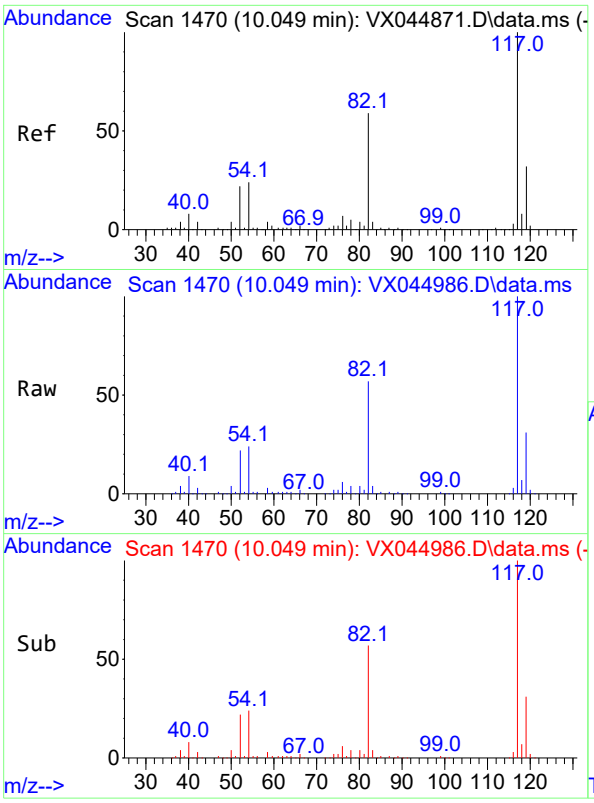


#62
4-Bromofluorobenzene
Concen: 51.75 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

Tgt Ion: 95 Resp: 76472

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	142.6
176	71.9	0.0	141.6



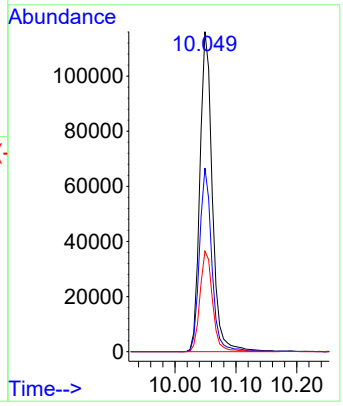


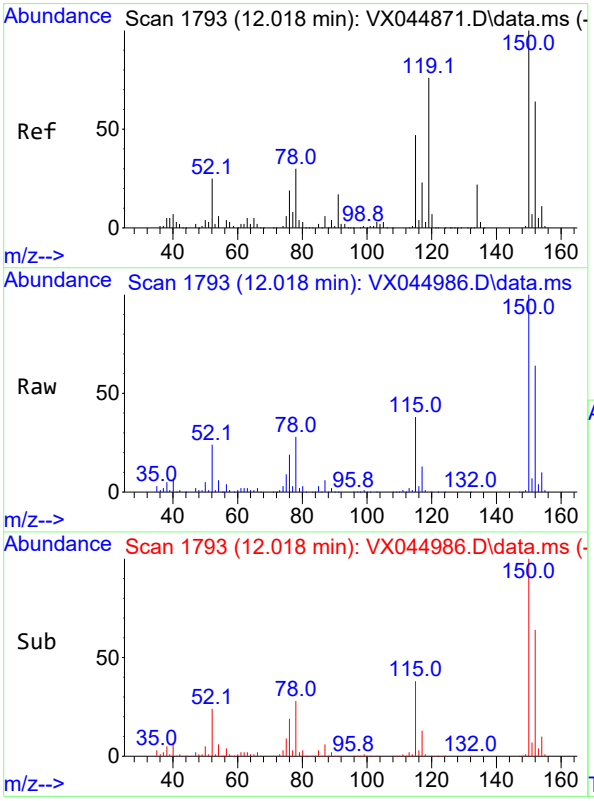
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

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

Tgt Ion:117 Resp: 164456

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.5	71.3
119	31.4	25.4	38.0

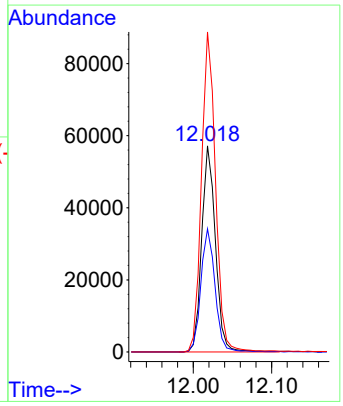




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044986.D
Acq: 18 Feb 2025 14:37

Tgt Ion:152 Resp: 69682

Ion	Ratio	Lower	Upper
152	100		
115	61.8	43.4	130.1
150	159.0	0.0	350.4



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.: Q1370 SAS No.: Q1370 SDG No.: Q1370

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.7
Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.9
Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.3
Ethyl Acetate	0.477	0.534	0.546	0.527	0.516	0.528	0.522	4.6
Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.4
Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.4
Trichlorofluoromethane	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.3
1,1,2-Trichlorotrifluoroethane	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.5
Tert butyl alcohol		0.148	0.138	0.136	0.128	0.129	0.136	5.9
1,1-Dichloroethene	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2
Acrolein		0.143	0.131	0.141	0.139	0.145	0.140	4
Acrylonitrile	0.337	0.354	0.380	0.379	0.360	0.364	0.363	4.4
Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.3
Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3
Methyl tert-butyl Ether	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.4
Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.2
Methylene Chloride	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.8
trans-1,2-Dichloroethene	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.7
Vinyl Acetate	1.540	1.750	1.892	1.860	1.843	1.892	1.796	7.6
1,1-Dichloroethane	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.9
Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.4
2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.4
Carbon Tetrachloride	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.4
2,2-Dichloropropane	0.957	0.982	1.000	0.952	0.959	1.017	0.978	2.7
cis-1,2-Dichloroethene	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.9
Bromochloromethane	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4
Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.5
1,1,1-Trichloroethane	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.3
Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.4
1,1-Dichloropropene	0.472	0.467	0.490	0.463	0.457	0.465	0.469	2.5

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

Raw Data

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.: Q1370 SAS No.: Q1370 SDG No.: Q1370

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.7
1,2-Dichloroethane	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.1
Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.2
1,2-Dichloropropane	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.3
Dibromomethane	0.236	0.245	0.270	0.255	0.252	0.258	0.253	4.5
Bromodichloromethane	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.6
4-Methyl-2-Pentanone	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.6
Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.7
t-1,3-Dichloropropene	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10
cis-1,3-Dichloropropene	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.5
1,1,2-Trichloroethane	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.4
1,3-Dichloropropane	0.531	0.586	0.641	0.605	0.579	0.578	0.587	6.1
2-Chloroethyl Vinyl ether	0.213	0.249	0.284	0.288	0.281	0.281	0.266	11.2
2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.3
Dibromochloromethane	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.7
1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.5
Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.4
Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.3
1,1,1,2-Tetrachloroethane	0.302	0.338	0.365	0.354	0.355	0.360	0.346	6.8
Hexachloroethane	0.533	0.589	0.629	0.615	0.643	0.689	0.616	8.5
Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.9
m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.6
o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.4
Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.4
Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.7
Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.9
1,1,2,2-Tetrachloroethane	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.6
1,2,3-Trichloropropane	1.046	1.153	1.141	1.106	1.085	1.120	1.109	3.5
Bromobenzene	0.847	0.920	0.978	0.911	0.897	0.923	0.913	4.6
n-propylbenzene	4.049	4.600	4.974	4.723	4.699	4.837	4.647	6.9

* 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

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

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1370 SAS No.: Q1370 SDG No.: Q1370

Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28

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

LAB FILE ID: RRF001 = VX044868.D RRF005 = VX044869.D RRF020 = VX044870.D
RRF050 = VX044871.D RRF100 = VX044872.D RRF150 = VX044873.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Chlorotoluene	2.859	2.860	3.034	2.842	2.721	2.820	2.856	3.6
1,3,5-Trimethylbenzene	2.981	3.326	3.543	3.319	3.201	3.233	3.267	5.6
4-Chlorotoluene	2.958	3.156	3.320	3.193	3.116	3.214	3.160	3.8
tert-Butylbenzene	3.097	3.350	3.539	3.312	3.236	3.296	3.305	4.4
1,2,4-Trimethylbenzene	2.687	3.252	3.535	3.359	3.220	3.295	3.225	8.9
sec-Butylbenzene	3.692	4.025	4.421	4.146	4.102	4.169	4.093	5.8
p-Isopropyltoluene	2.844	3.229	3.547	3.402	3.325	3.401	3.291	7.4
1,3-Dichlorobenzene	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.5
1,4-Dichlorobenzene	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.2
n-Butylbenzene	2.138	2.696	3.087	3.105	3.194	3.251	2.912	14.6
1,2-Dichlorobenzene	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.3
1,2-Dibromo-3-Chloropropane	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.9
1,2,4-Trichlorobenzene	0.860	0.934	1.013	1.013	1.057	1.112	0.998	9
Hexachlorobutadiene	0.383	0.376	0.416	0.383	0.408	0.411	0.396	4.4
Naphthalene	2.824	3.432	3.879	3.752	3.771	3.991	3.608	11.8
1,2,3-Trichlorobenzene	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.7
1,2-Dichloroethane-d4		0.764	0.718	0.723	0.707	0.747	0.732	3.2
Dibromofluoromethane		0.335	0.322	0.320	0.320	0.328	0.325	2
Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.5
4-Bromofluorobenzene		0.404	0.410	0.431	0.415	0.412	0.414	2.5

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025
Response Via : Initial Calibration

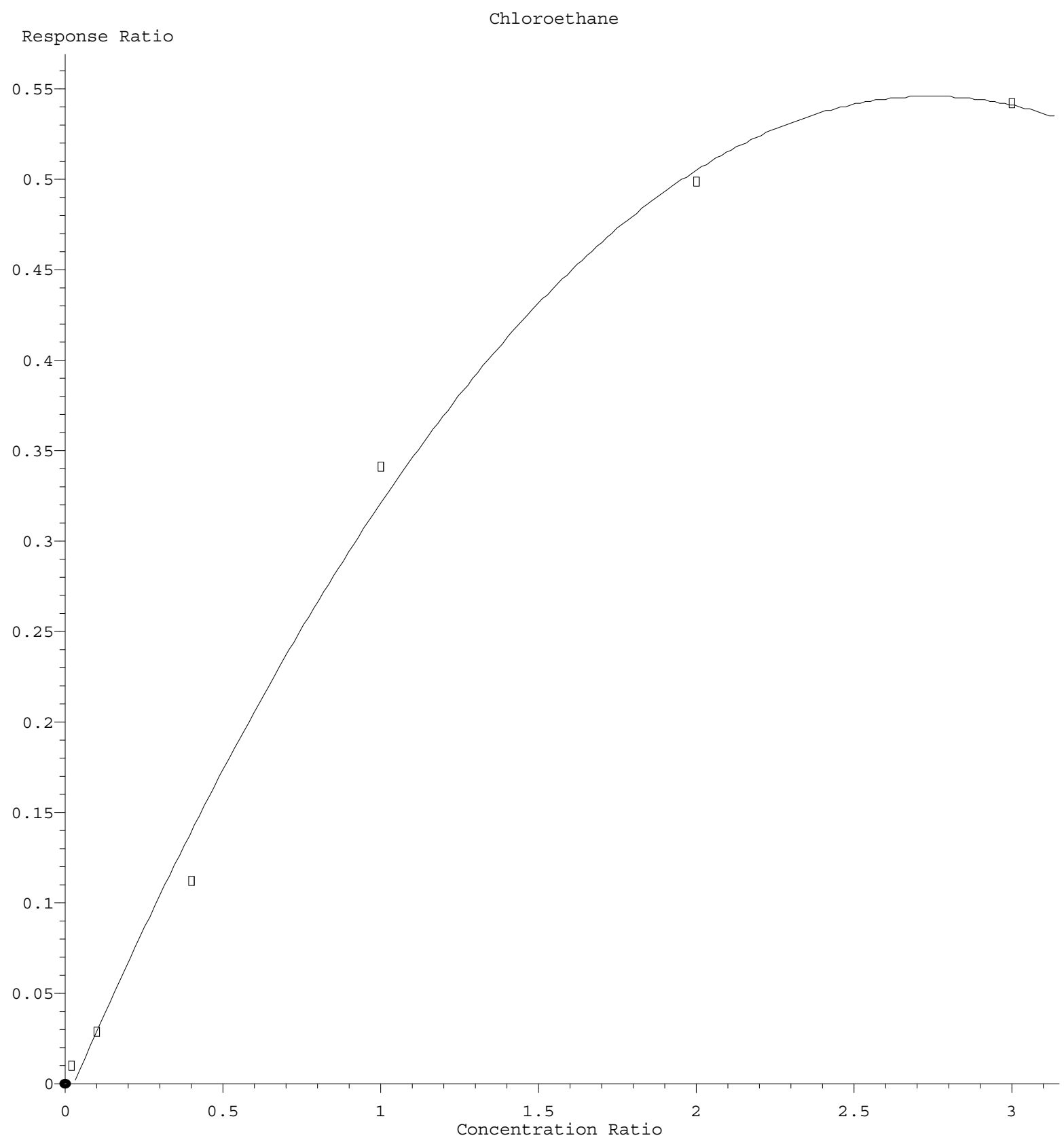
Calibration Files
1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.71
3)	P	Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.89
4)	C	Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.33#
5)	T	Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.44
6)	T	Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.36
7)	T	Trichlorofluor...	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.32
8)	T	Diethyl Ether	0.385	0.372	0.399	0.375	0.370	0.374	0.379	2.94
9)	T	1,1,2-Trichlor...	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.45
10)	T	Methyl Iodide		0.752	0.864	0.847	0.819	0.813	0.819	5.22
11)	T	Tert butyl alc...		0.148	0.138	0.136	0.128	0.129	0.136	5.92
12)	CM	1,1-Dichloroet...	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2.04#
13)	T	Acrolein		0.143	0.131	0.141	0.139	0.145	0.140	3.99
14)	T	Allyl chloride	1.179	1.150	1.187	1.157	1.149	1.167	1.165	1.36
15)	T	Acrylonitrile	0.337	0.354	0.380	0.379	0.360	0.364	0.363	4.41
16)	T	Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.26
17)	T	Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3.04
18)	T	Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.22
19)	T	Methyl tert-bu...	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.36
20)	T	Methylene Chlo...	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.82
21)	T	trans-1,2-Dich...	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.74
22)	T	Diisopropyl ether	2.049	2.187	2.322	2.245	2.185	2.233	2.203	4.12
23)	T	Vinyl Acetate	1.540	1.750	1.892	1.860	1.843	1.892	1.796	7.56
24)	P	1,1-Dichloroet...	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.86
25)	T	2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.40
26)	T	2,2-Dichloropr...	0.957	0.982	1.000	0.952	0.959	1.017	0.978	2.71
27)	T	cis-1,2-Dichlo...	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.87
28)	T	Bromochloromet...	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4.04
29)	T	Tetrahydrofuran	0.299	0.310	0.335	0.329	0.313	0.317	0.317	4.13
30)	C	Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.53#
31)	T	Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.35
32)	T	1,1,1-Trichlor...	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.26
33)	S	1,2-Dichloroet...		0.764	0.718	0.723	0.707	0.747	0.732	3.17
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.335	0.322	0.320	0.320	0.328	0.325	1.98
36)	T	1,1-Dichloropr...	0.472	0.467	0.490	0.463	0.457	0.465	0.469	2.47
37)	T	Ethyl Acetate	0.477	0.534	0.546	0.527	0.516	0.528	0.522	4.57
38)	T	Carbon Tetrach...	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.44
39)	T	Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.36
40)	TM	Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.69
41)	T	Methacrylonitrile	0.237	0.262	0.292	0.302	0.287	0.295	0.279	8.84
42)	TM	1,2-Dichloroet...	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.08
43)	T	Isopropyl Acetate	0.755	0.782	0.899	0.876	0.858	0.885	0.842	7.05
44)	TM	Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.20
45)	C	1,2-Dichloropr...	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.32#
46)	T	Dibromomethane	0.236	0.245	0.270	0.255	0.252	0.258	0.253	4.48
47)	T	Bromodichlorom...	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.60
48)	T	Methyl methacr...	0.330	0.367	0.424	0.421	0.414	0.427	0.397	10.05
49)	T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.008	0.008	0.009	6.54
50)	S	Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.49
51)	T	4-Methyl-2-Pen...	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.61
52)	CM	Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.74#
53)	T	t-1,3-Dichloro...	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10.04
54)	T	cis-1,3-Dichlo...	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.49
55)	T	1,1,2-Trichlor...	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.44
56)	T	Ethyl methacry...	0.462	0.488	0.583	0.577	0.568	0.571	0.542	9.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X021025W.M

57)	T	1,3-Dichloropr...	0.531	0.586	0.641	0.605	0.579	0.578	0.587	6.13
58)	T	2-Chloroethyl ...	0.213	0.249	0.284	0.288	0.281	0.281	0.266	11.18
59)	T	2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.31
60)	T	Dibromochlorom...	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.71
61)	T	1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.55
62)	S	4-Bromofluorob...		0.404	0.410	0.431	0.415	0.412	0.414	2.47
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.43
65)	PM	Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.32
66)	T	1,1,1,2-Tetrac...	0.302	0.338	0.365	0.354	0.355	0.360	0.346	6.76
67)	C	Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.87#
68)	T	m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.58
69)	T	o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.36
70)	T	Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.38
71)	P	Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.69
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.95
74)	T	N-amyl acetate	1.431	1.744	1.915	1.902	1.889	2.051	1.822	11.80
75)	P	1,1,2,2-Tetrac...	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.61
76)	T	1,2,3-Trichlor...	1.046	1.153	1.141	1.106	1.085	1.120	1.109	3.53
77)	T	Bromobenzene	0.847	0.920	0.978	0.911	0.897	0.923	0.913	4.65
78)	T	n-propylbenzene	4.049	4.600	4.974	4.723	4.699	4.837	4.647	6.88
79)	T	2-Chlorotoluene	2.859	2.860	3.034	2.842	2.720	2.820	2.856	3.56
80)	T	1,3,5-Trimethy...	2.981	3.326	3.543	3.319	3.201	3.233	3.267	5.64
81)	T	trans-1,4-Dich...		0.346	0.417	0.437	0.457	0.498	0.431	13.01
82)	T	4-Chlorotoluene	2.958	3.156	3.320	3.193	3.116	3.214	3.160	3.81
83)	T	tert-Butylbenzene	3.097	3.350	3.539	3.312	3.236	3.296	3.305	4.38
84)	T	1,2,4-Trimethy...	2.687	3.252	3.535	3.359	3.220	3.295	3.225	8.87
85)	T	sec-Butylbenzene	3.692	4.025	4.421	4.146	4.102	4.169	4.093	5.80
86)	T	p-Isopropyltol...	2.844	3.229	3.546	3.402	3.325	3.401	3.291	7.37
87)	T	1,3-Dichlorobe...	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.49
88)	T	1,4-Dichlorobe...	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.22
89)	T	n-Butylbenzene	2.138	2.696	3.087	3.105	3.194	3.251	2.912	14.63
90)	T	Hexachloroethane	0.533	0.589	0.629	0.615	0.643	0.689	0.616	8.53
91)	T	1,2-Dichlorobe...	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.30
92)	T	1,2-Dibromo-3-...	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.87
93)	T	1,2,4-Trichlor...	0.860	0.934	1.013	1.013	1.057	1.112	0.998	8.98
94)	T	Hexachlorobuta...	0.383	0.376	0.416	0.383	0.408	0.411	0.396	4.36
95)	T	Naphthalene	2.824	3.432	3.879	3.752	3.771	3.991	3.608	11.84
96)	T	1,2,3-Trichlor...	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.75

(#) = Out of Range



R = -7.391e-002 A*A + 4.057e-001 A - 1.083e-002
Coef of Det (r^2) = 0.995138 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X021025W.M
Calibration Table Last Updated: Tue Feb 11 03:41:08 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	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	1.160	85	1939m	1.031	ug/l		
3) Chloromethane	1.307	50	2571	1.123	ug/l		94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l		96
6) Chloroethane	1.666	64	1341	2.592	ug/l		91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l		88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l	#	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l	#	88
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l		85
14) Allyl chloride	2.654	41	3164	1.013	ug/l		90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l		95
16) Acetone	2.380	43	4095	5.188	ug/l		92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l	#	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l		95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l	#	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l	#	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l		96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l	#	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l		99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l	#	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l		93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l		76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l		91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l	#	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l		99
30) Chloroform	5.093	83	3132	0.976	ug/l		94
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l	#	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l		94
37) Ethyl Acetate	4.721	43	2426m	0.915	ug/l		
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l	#	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l		96
40) Benzene	6.038	78	6963	0.935	ug/l		94
41) Methacrylonitrile	4.958	41	1205m	0.849	ug/l		
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l		84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l	#	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l		76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936 ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875 ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830 ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015 ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290 ug/l	96
52) Toluene	8.714	92	3943	0.889 ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842 ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820 ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914 ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852 ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905 ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996 ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240 ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885 ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888 ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971 ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902 ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874 ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892 ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763 ug/l	100
69) o-Xylene	10.640	106	2889	0.942 ug/l	97
70) Styrene	10.659	104	3974	0.804 ug/l	97
71) Bromoform	10.799	173	813	0.721 ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928 ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785 ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033 ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	1898m	0.943 ug/l	
77) Bromobenzene	11.201	156	1537	0.928 ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871 ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001 ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913 ug/l	98
82) 4-Chlorotoluene	11.457	91	5367	0.936 ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937 ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833 ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902 ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864 ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963 ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	3016m	0.979 ug/l	
89) n-Butylbenzene	12.335	91	3880	0.734 ug/l	93
90) Hexachloroethane	12.536	117	968	0.866 ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801 ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861 ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966 ug/l	99
95) Naphthalene	13.780	128	5125	0.783 ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853 ug/l	93

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

ICAL Form

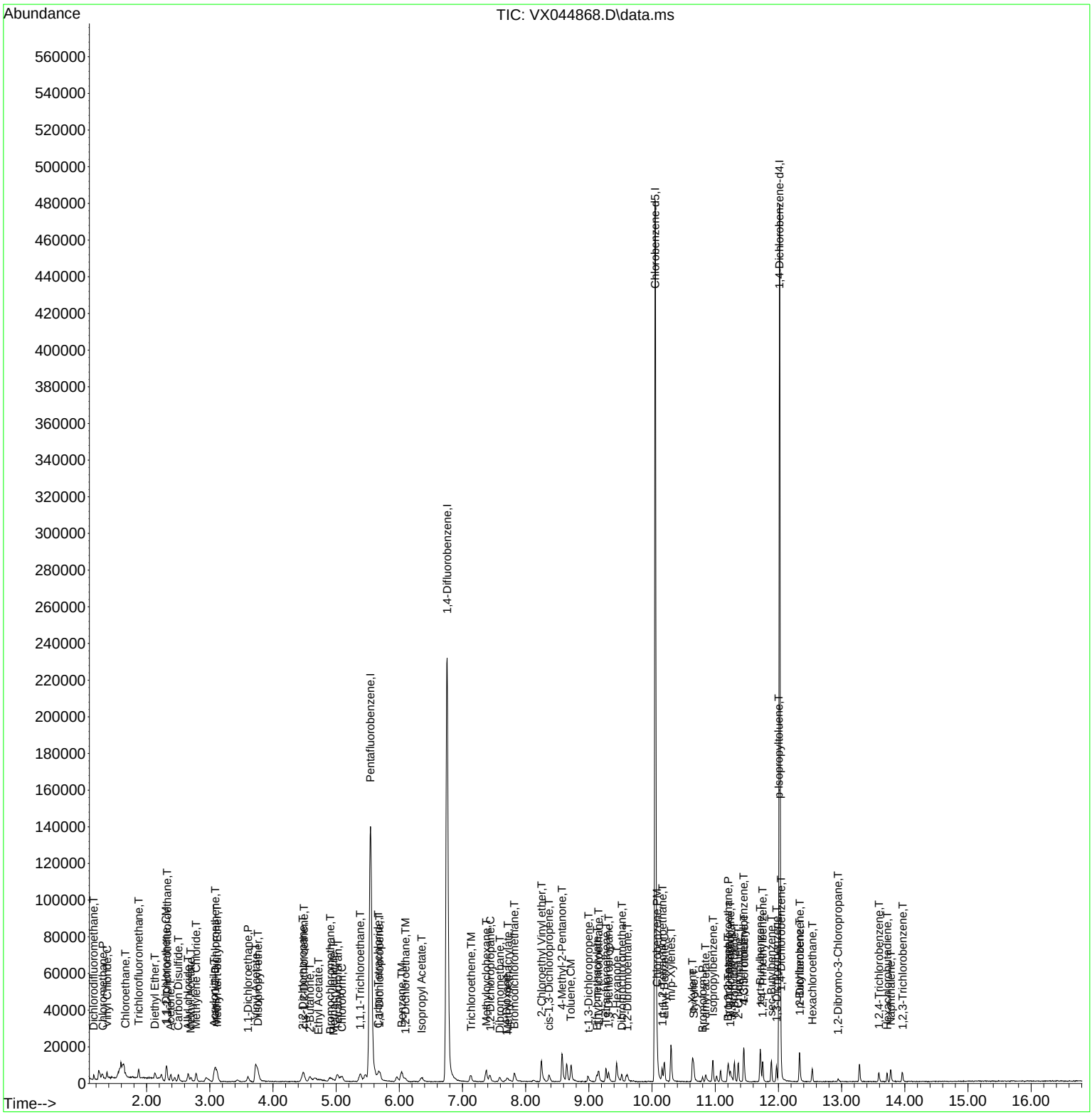
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 11 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#		
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.300%#		
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	3918m	4.973	ug/l	
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.122	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699 ug/l		96
42) 1,2-Dichloroethane	6.086	62	11789	4.985 ug/l		100
43) Isopropyl Acetate	6.342	43	19803	4.640 ug/l		99
44) Trichloroethene	7.123	130	8614	5.079 ug/l		95
45) 1,2-Dichloropropane	7.428	63	8976	4.863 ug/l		98
46) Dibromomethane	7.586	93	6210	4.851 ug/l		95
47) Bromodichloromethane	7.818	83	12173	4.911 ug/l		94
48) Methyl methacrylate	7.702	41	9298	4.620 ug/l		98
49) 1,4-Dioxane	7.678	88	4365	101.099 ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076 ug/l		100
52) Toluene	8.720	92	22090	4.999 ug/l		96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550 ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628 ug/l	#	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099 ug/l		98
56) Ethyl methacrylate	9.116	69	12351	4.502 ug/l		96
57) 1,3-Dichloropropane	9.305	76	14839	4.993 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382 ug/l		99
59) 2-Hexanone	9.433	43	45538	24.359 ug/l		99
60) Dibromochloromethane	9.519	129	8668	4.771 ug/l		99
61) 1,2-Dibromoethane	9.610	107	8353	4.852 ug/l		96
64) Tetrachloroethene	9.269	164	6803	4.934 ug/l		95
65) Chlorobenzene	10.079	112	23903	5.090 ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883 ug/l		97
67) Ethyl Benzene	10.189	91	40945	4.941 ug/l		97
68) m/p-Xylenes	10.299	106	30627	10.019 ug/l		100
69) o-Xylene	10.640	106	15761	5.139 ug/l		98
70) Styrene	10.653	104	24576	4.973 ug/l		99
71) Bromoform	10.799	173	5391	4.779 ug/l	#	97
73) Isopropylbenzene	10.957	105	38315	4.983 ug/l		100
74) N-amyl acetate	10.842	43	16653	4.786 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069 ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	11011m	5.201 ug/l		
77) Bromobenzene	11.195	156	8789	5.042 ug/l		97
78) n-propylbenzene	11.305	91	43923	4.949 ug/l		99
79) 2-Chlorotoluene	11.360	91	27311	5.007 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013 ug/l		87
82) 4-Chlorotoluene	11.451	91	30138	4.994 ug/l		99
83) tert-Butylbenzene	11.713	119	31992	5.068 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042 ug/l		98
85) sec-Butylbenzene	11.890	105	38437	4.917 ug/l		98
86) p-Isopropyltoluene	12.006	119	30835	4.905 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971 ug/l		95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043 ug/l		95
89) n-Butylbenzene	12.329	91	25747	4.630 ug/l		97
90) Hexachloroethane	12.536	117	5620	4.775 ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674 ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680 ug/l		99
94) Hexachlorobutadiene	13.719	225	3595	4.750 ug/l		99
95) Naphthalene	13.774	128	32776	4.756 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

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

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

ICAL Form

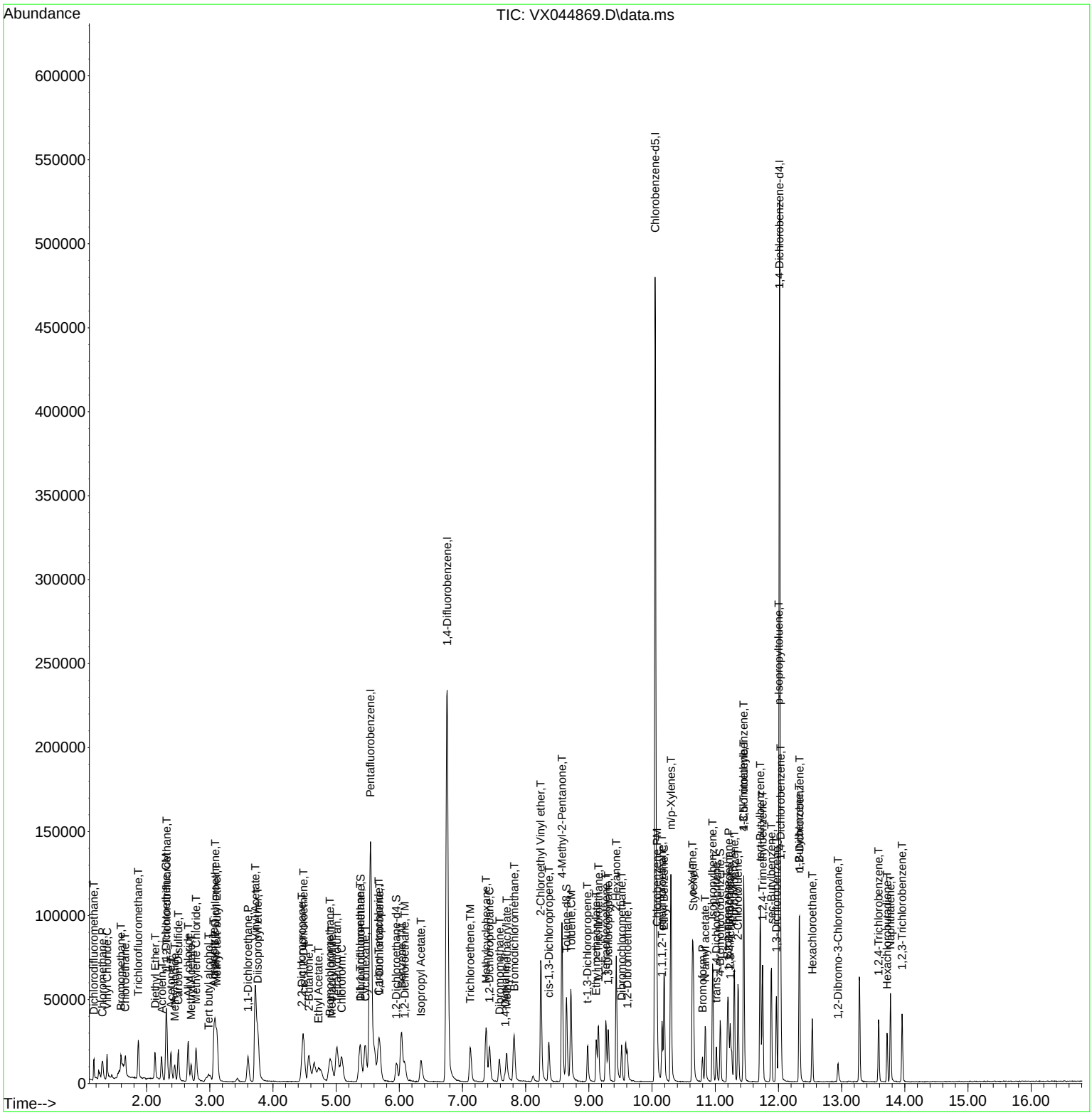
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 39.240%#			
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 39.580%#			
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 40.640%#			
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 39.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l		94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l		100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l		99
44) Trichloroethene	7.123	130	34390	21.910	ug/l		96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l		99
46) Dibromomethane	7.574	93	25300	21.354	ug/l		99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l		97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l		100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l		99
52) Toluene	8.714	92	89726	21.940	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l		98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l		99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l		100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l		98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l		99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l		100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l		97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l		99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l		100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l		99
69) o-Xylene	10.640	106	62087	21.310	ug/l		97
70) Styrene	10.653	104	103740	22.101	ug/l		98
71) Bromoform	10.799	173	22592	21.086	ug/l	#	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l		99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	42040m	20.589	ug/l		
77) Bromobenzene	11.195	156	36021	21.426	ug/l		97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l		99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l		96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l		100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l		100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l		100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l		98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l		100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l		99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l		96
95) Naphthalene	13.774	128	142902	21.502	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

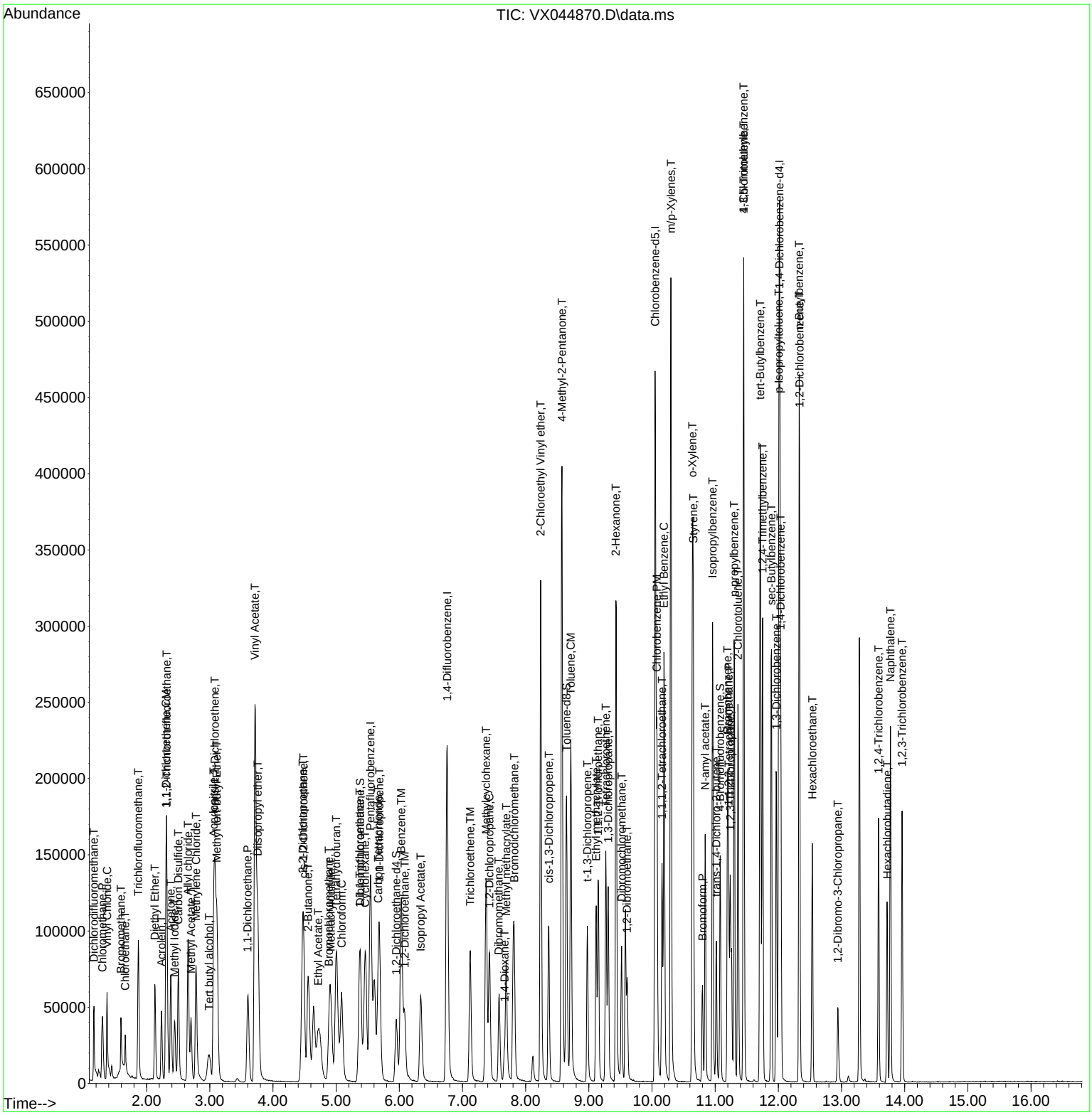
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.840%			
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l		100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l		100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l		100
44) Trichloroethene	7.122	130	78274	50.020	ug/l		100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l		100
46) Dibromomethane	7.573	93	59625	50.479	ug/l		100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l		100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l		100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l		100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l		100
52) Toluene	8.714	92	210007	51.507	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l		100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l		100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l		100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l		100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l		100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l		100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l		100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l		100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l		100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l		100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l		100
69) o-Xylene	10.640	106	144802	50.409	ug/l		100
70) Styrene	10.652	104	245518	53.051	ug/l		100
71) Bromoform	10.799	173	57417	54.352	ug/l	#	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l		100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	102508m	49.903	ug/l		
77) Bromobenzene	11.195	156	84448	49.931	ug/l		100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l		100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l		100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l		100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l		100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l		100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l		100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l		100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l		100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l		100
95) Naphthalene	13.774	128	347645	51.995	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

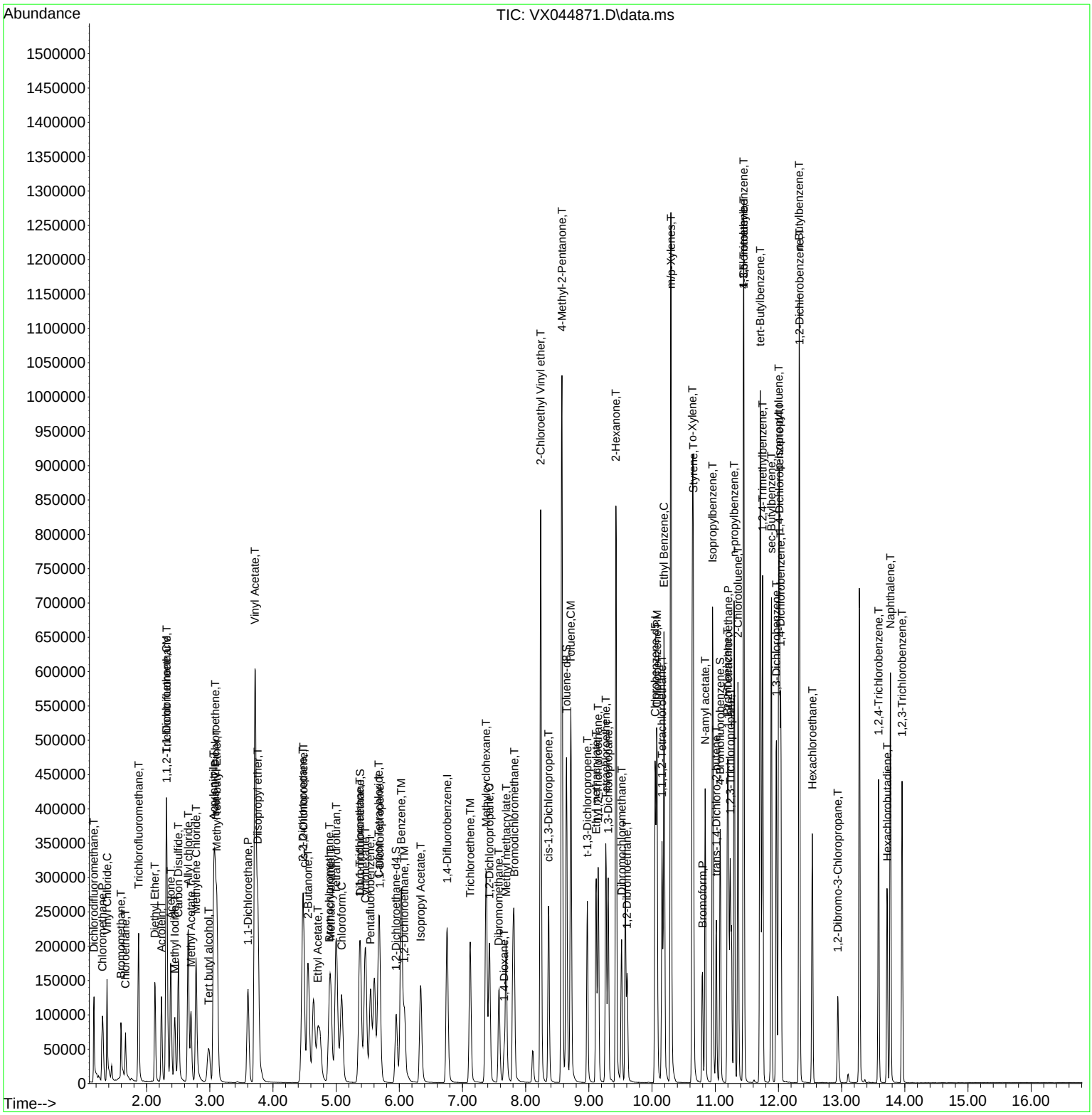
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745 ug/l		99
42) 1,2-Dichloroethane	6.080	62	218174	98.875 ug/l		100
43) Isopropyl Acetate	6.336	43	405489	101.818 ug/l		100
44) Trichloroethene	7.117	130	156832	99.103 ug/l		96
45) 1,2-Dichloropropane	7.422	63	170337	98.893 ug/l		97
46) Dibromomethane	7.574	93	119149	99.747 ug/l		100
47) Bromodichloromethane	7.818	83	236506	102.254 ug/l		97
48) Methyl methacrylate	7.690	41	195892	104.321 ug/l		100
49) 1,4-Dioxane	7.659	88	77816	1931.508 ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353 ug/l		100
52) Toluene	8.714	92	409318	99.270 ug/l		99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694 ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287 ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817 ug/l		100
56) Ethyl methacrylate	9.116	69	268693	104.958 ug/l		99
57) 1,3-Dichloropropane	9.305	76	273845	98.742 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405 ug/l		100
59) 2-Hexanone	9.427	43	871904	499.819 ug/l		99
60) Dibromochloromethane	9.519	129	173848	102.557 ug/l		100
61) 1,2-Dibromoethane	9.604	107	162982	101.451 ug/l		98
64) Tetrachloroethene	9.269	164	125294	97.447 ug/l		100
65) Chlorobenzene	10.073	112	436565	99.694 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728 ug/l		100
67) Ethyl Benzene	10.189	91	784184	101.477 ug/l		100
68) m/p-Xylenes	10.299	106	575559	201.907 ug/l		99
69) o-Xylene	10.640	106	281830	98.530 ug/l		100
70) Styrene	10.653	104	473403	102.728 ug/l		99
71) Bromoform	10.799	173	112371	106.827 ug/l	#	99
73) Isopropylbenzene	10.957	105	719923	97.854 ug/l		99
74) N-amyl acetate	10.842	43	345193	103.687 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	198320m	97.896 ug/l		
77) Bromobenzene	11.195	156	163845	98.230 ug/l		100
78) n-propylbenzene	11.299	91	858793	101.132 ug/l		100
79) 2-Chlorotoluene	11.360	91	497149	95.257 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006 ug/l		98
82) 4-Chlorotoluene	11.451	91	569510	98.634 ug/l		100
83) tert-Butylbenzene	11.713	119	591396	97.917 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851 ug/l		99
85) sec-Butylbenzene	11.890	105	749534	100.219 ug/l		99
86) p-Isopropyltoluene	12.006	119	607577	101.019 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061 ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830 ug/l		99
89) n-Butylbenzene	12.329	91	583634	109.686 ug/l		100
90) Hexachloroethane	12.536	117	117533	104.365 ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477 ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921 ug/l		99
94) Hexachlorobutadiene	13.725	225	74605	103.024 ug/l		99
95) Naphthalene	13.774	128	689104	104.505 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

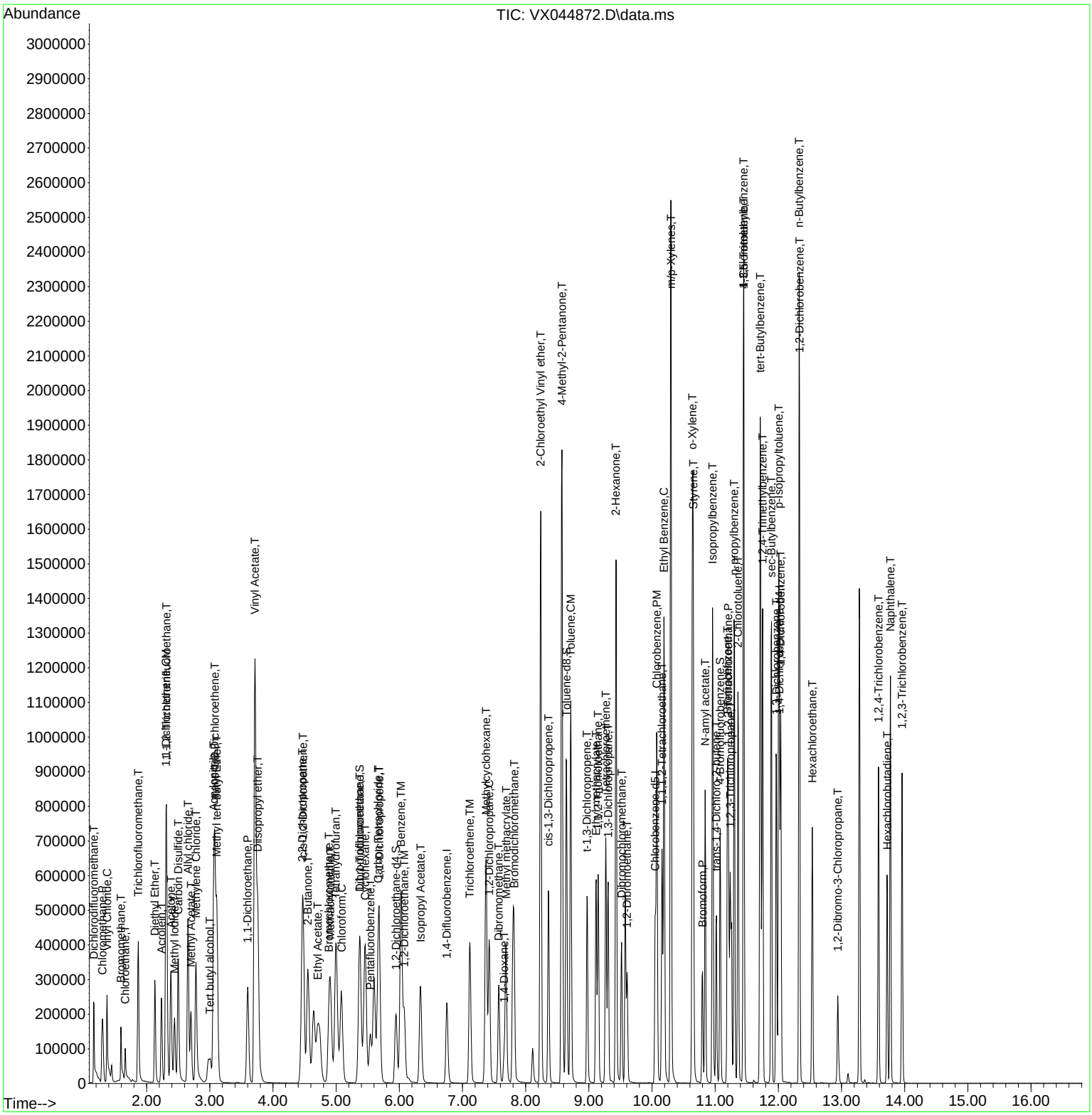
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.544	168	125253	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 306.360%#		
35) Dibromofluoromethane	5.379	113	229218	151.572 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 303.140%#		
50) Toluene-d8	8.647	98	845632	147.877 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.760%#		
62) 4-Bromofluorobenzene	11.079	95	287486	149.124 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 298.240%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330 ug/l	96
3) Chloromethane	1.307	50	297968	139.361 ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723 ug/l	99
5) Bromomethane	1.593	94	92399	149.071 ug/l	96
6) Chloroethane	1.660	64	67889	130.289 ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558 ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822 ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147 ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887 ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734 ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989 ug/l	99
13) Acrolein	2.239	56	273178	778.418 ug/l	100
14) Allyl chloride	2.654	41	438493	150.289 ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423 ug/l	99
16) Acetone	2.386	43	547939	743.398 ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665 ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743 ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347 ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871 ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356 ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020 ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993 ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959 ug/l	99
25) 2-Butanone	4.556	43	914741	764.276 ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029 ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446 ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458 ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977 ug/l	99
30) Chloroform	5.086	83	453809	151.509 ug/l	99
31) Cyclohexane	5.458	56	423464	148.722 ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996 ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585 ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956 ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921 ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130 ug/l	99
40) Benzene	6.031	78	1014129	148.856 ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l		100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l		99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l		99
44) Trichloroethene	7.117	130	239030	153.496	ug/l		99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l		100
46) Dibromomethane	7.574	93	179689	152.870	ug/l		99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l		98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l		99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l		100
52) Toluene	8.714	92	603113	148.645	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l		98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l		99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l		100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l		99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l		99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l		99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l		96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l		99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l		100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l		98
69) o-Xylene	10.640	106	401928	145.674	ug/l		99
70) Styrene	10.653	104	671843	151.140	ug/l		98
71) Bromoform	10.799	173	169481	167.033	ug/l	#	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l		99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	284934m	151.485	ug/l		
77) Bromobenzene	11.195	156	234957	151.715	ug/l		99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l		99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l		98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l		99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l		99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l		100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l		100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l		100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l		98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l		97
95) Naphthalene	13.774	128	1015801	165.916	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
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 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

ICAL Form

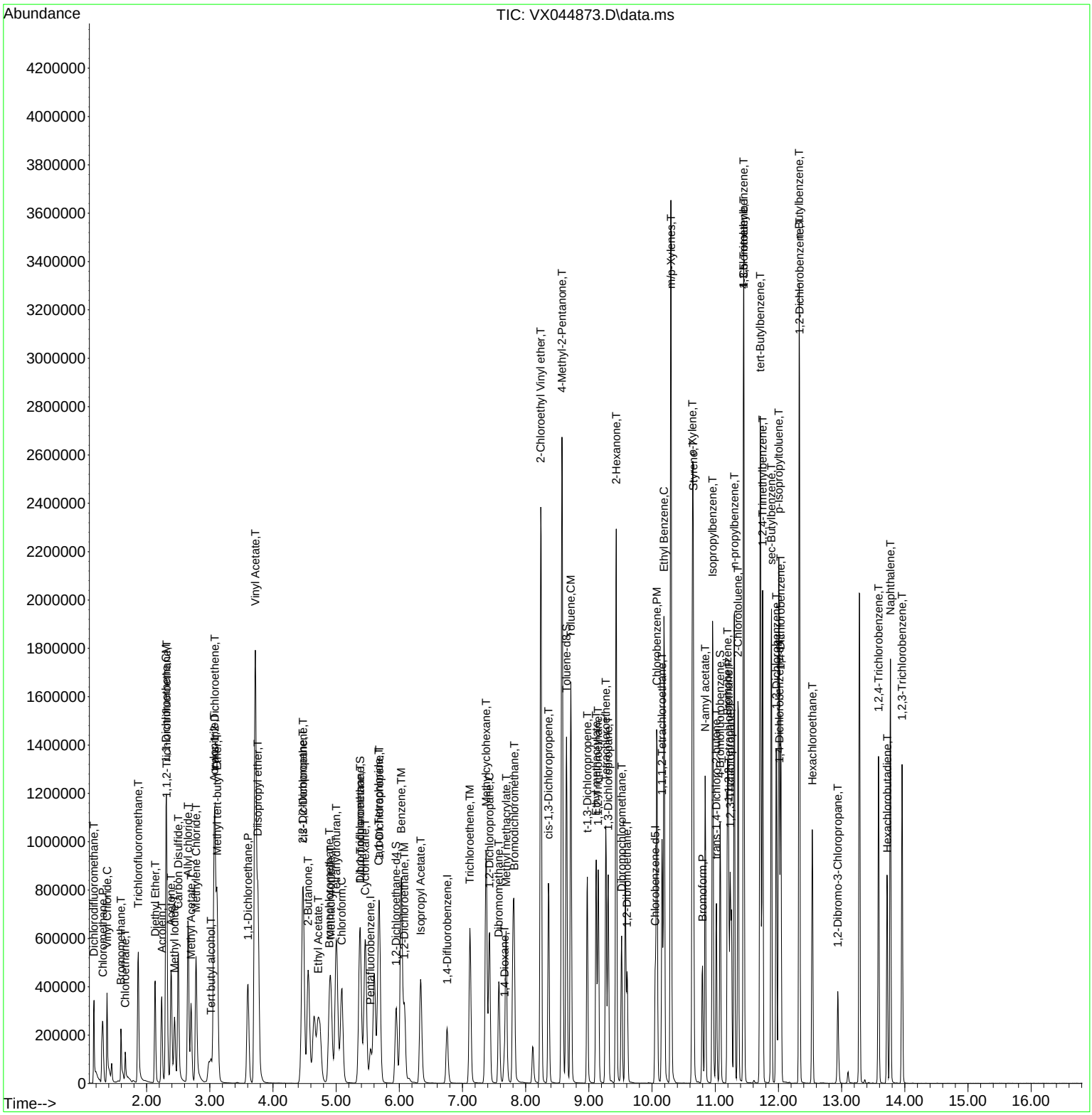
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.120%			
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.300%			
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l		99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l		100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l		100
44) Trichloroethene	7.116	130	81911	49.917	ug/l		99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l		98
46) Dibromomethane	7.580	93	61360	49.540	ug/l		99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l		99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l		99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l		100
52) Toluene	8.714	92	216682	50.680	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l		100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l		99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l		99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l		99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l		99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l		100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l		98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l		98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l		99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l		100
69) o-Xylene	10.640	106	151995	50.804	ug/l		100
70) Styrene	10.652	104	257972	53.521	ug/l		100
71) Bromoform	10.799	173	59409	53.997	ug/l	#	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l		100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	106893m	49.659	ug/l		
77) Bromobenzene	11.195	156	88129	49.725	ug/l		100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l		99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l		99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l		100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l		100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l		100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l		100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l		100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l		99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l		98
95) Naphthalene	13.774	128	371576	53.033	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

ICAL Form

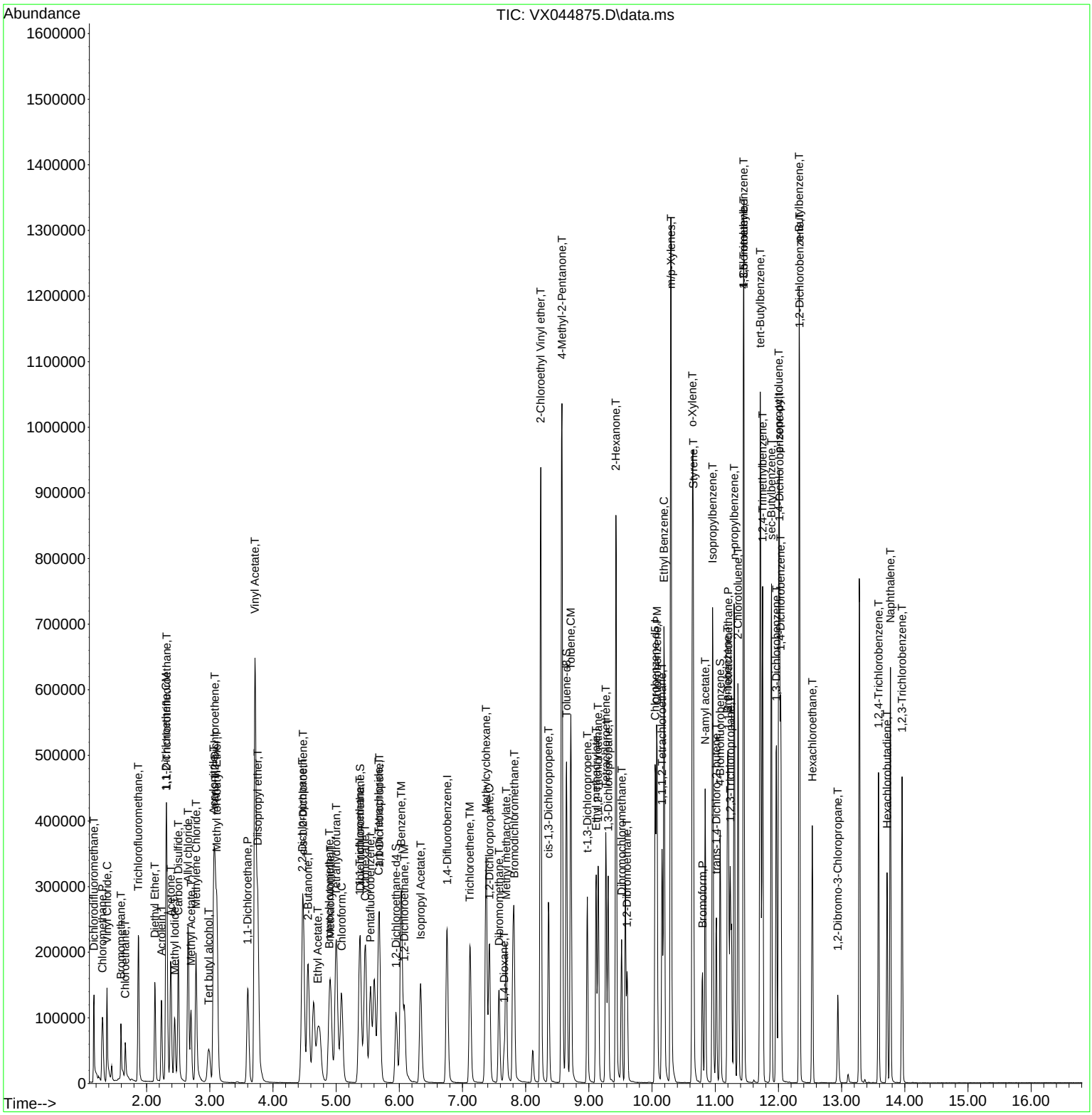
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	106	0.00
2	T	Dichlorodifluoromethane	0.701	0.690	1.6	105	0.00
3	P	Chloromethane	0.854	0.812	4.9	102	0.00
4	C	Vinyl Chloride	0.827	0.778	5.9#	102	0.00
5	T	Bromomethane	0.247	0.231	6.5	99	0.00
6	T	Chloroethane	0.307	0.279	9.1	87	0.00
7	T	Trichlorofluoromethane	1.046	1.016	2.9	105	0.00
8	T	Diethyl Ether	0.379	0.361	4.7	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.639	-1.1	109	0.00
10	T	Methyl Iodide	0.819	0.820	-0.1	103	0.00
11	T	Tert butyl alcohol	0.136	0.137	-0.7	107	0.00
12	CM	1,1-Dichloroethene	0.644	0.618	4.0#	104	0.00
13	T	Acrolein	0.140	0.135	3.6	101	0.00
14	T	Allyl chloride	1.165	1.141	2.1	105	0.00
15	T	Acrylonitrile	0.363	0.365	-0.6	102	0.00
16	T	Acetone	0.294	0.303	-3.1	110	0.00
17	T	Carbon Disulfide	1.767	1.749	1.0	105	0.00
18	T	Methyl Acetate	0.928	0.927	0.1	104	0.00
19	T	Methyl tert-butyl Ether	2.050	2.028	1.1	105	0.00
20	T	Methylene Chloride	0.721	0.692	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.623	1.7	103	0.00
22	T	Diisopropyl ether	2.203	2.210	-0.3	105	0.00
23	T	Vinyl Acetate	1.796	1.850	-3.0	106	0.00
24	P	1,1-Dichloroethane	1.233	1.216	1.4	105	0.00
25	T	2-Butanone	0.478	0.493	-3.1	104	0.00
26	T	2,2-Dichloropropane	0.978	0.983	-0.5	110	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.754	1.0	106	0.00
28	T	Bromochloromethane	0.593	0.536	9.6	98	0.00
29	T	Tetrahydrofuran	0.317	0.321	-1.3	104	0.00
30	C	Chloroform	1.196	1.157	3.3#	105	0.00
31	T	Cyclohexane	1.137	1.119	1.6	106	0.00
32	T	1,1,1-Trichloroethane	1.014	0.990	2.4	105	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.704	3.8	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.320	1.5	105	0.00
36	T	1,1-Dichloropropene	0.469	0.457	2.6	103	0.00
37	T	Ethyl Acetate	0.522	0.514	1.5	102	0.00
38	T	Carbon Tetrachloride	0.460	0.451	2.0	104	0.00
39	T	Methylcyclohexane	0.606	0.646	-6.6	109	0.00
40	TM	Benzene	1.465	1.462	0.2	104	0.00
41	T	Methacrylonitrile	0.279	0.300	-7.5	104	0.00
42	TM	1,2-Dichloroethane	0.467	0.471	-0.9	105	0.00
43	T	Isopropyl Acetate	0.842	0.873	-3.7	104	0.00
44	TM	Trichloroethene	0.335	0.334	0.3	105	0.00
45	C	1,2-Dichloropropane	0.364	0.367	-0.8#	105	0.00
46	T	Dibromomethane	0.253	0.250	1.2	103	0.00
47	T	Bromodichloromethane	0.489	0.499	-2.0	105	0.00
48	T	Methyl methacrylate	0.397	0.420	-5.8	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	0.009	0.009	0.0	101	0.00
50	S	Toluene-d8	1.229	1.221	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.543	-6.1	103	0.00
52	CM	Toluene	0.872	0.884	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	0.495	0.532	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.585	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	0.335	0.341	-1.8	105	0.00
56	T	Ethyl methacrylate	0.542	0.586	-8.1	106	0.00
57	T	1,3-Dichloropropane	0.587	0.597	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.302	-13.5	110	0.00
59	T	2-Hexanone	0.369	0.398	-7.9	103	0.00
60	T	Dibromochloromethane	0.359	0.371	-3.3	104	0.00
61	T	1,2-Dibromoethane	0.340	0.350	-2.9	105	0.00
62	S	4-Bromofluorobenzene	0.414	0.429	-3.6	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.315	0.312	1.0	105	0.00
65	PM	Chlorobenzene	1.074	1.094	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.354	-2.3	104	0.00
67	C	Ethyl Benzene	1.895	1.949	-2.8#	105	0.00
68	T	m/p-Xylenes	0.699	0.729	-4.3	105	0.00
69	T	o-Xylene	0.701	0.713	-1.7	105	0.00
70	T	Styrene	1.130	1.210	-7.1	105	0.00
71	P	Bromoform	0.258	0.279	-8.1	103	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	4.026	4.020	0.1	104	0.00
74	T	N-amyl acetate	1.822	1.917	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.337	3.3	103	0.00
76	T	1,2,3-Trichloropropane	1.109	1.101	0.7	104	0.00
77	T	Bromobenzene	0.913	0.908	0.5	104	0.00
78	T	n-propylbenzene	4.647	4.776	-2.8	106	0.00
79	T	2-Chlorotoluene	2.856	2.803	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.329	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.454	-5.3	109	0.00
82	T	4-Chlorotoluene	3.160	3.215	-1.7	105	0.00
83	T	tert-Butylbenzene	3.305	3.314	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	104	0.00
85	T	sec-Butylbenzene	4.093	4.225	-3.2	107	0.00
86	T	p-Isopropyltoluene	3.291	3.461	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	1.678	1.694	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	1.697	1.681	0.9	105	0.00
89	T	n-Butylbenzene	2.912	3.211	-10.3	108	0.00
90	T	Hexachloroethane	0.616	0.628	-1.9	107	0.00
91	T	1,2-Dichlorobenzene	1.650	1.664	-0.8	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.261	-3.6	106	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.053	-5.5	109	0.00
94	T	Hexachlorobutadiene	0.396	0.402	-1.5	110	0.00
95	T	Naphthalene	3.608	3.827	-6.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.038	-3.2	105	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\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	106	0.00
2	T	Dichlorodifluoromethane	50.000	49.173	1.7	105	0.00
3	P	Chloromethane	50.000	47.590	4.8	102	0.00
4	C	Vinyl Chloride	50.000	47.033	5.9#	102	0.00
5	T	Bromomethane	50.000	46.719	6.6	99	0.00
6	T	Chloroethane	50.000	42.198	15.6	87	0.00
7	T	Trichlorofluoromethane	50.000	48.558	2.9	105	0.00
8	T	Diethyl Ether	50.000	47.544	4.9	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.588	-1.2	109	0.00
10	T	Methyl Iodide	50.000	50.082	-0.2	103	0.00
11	T	Tert butyl alcohol	250.000	251.791	-0.7	107	0.00
12	CM	1,1-Dichloroethene	50.000	47.935	4.1#	104	0.00
13	T	Acrolein	250.000	240.879	3.6	101	0.00
14	T	Allyl chloride	50.000	48.976	2.0	105	0.00
15	T	Acrylonitrile	250.000	251.537	-0.6	102	0.00
16	T	Acetone	250.000	257.198	-2.9	110	0.00
17	T	Carbon Disulfide	50.000	49.472	1.1	105	0.00
18	T	Methyl Acetate	50.000	49.920	0.2	104	0.00
19	T	Methyl tert-butyl Ether	50.000	49.453	1.1	105	0.00
20	T	Methylene Chloride	50.000	47.978	4.0	104	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.129	1.7	103	0.00
22	T	Diisopropyl ether	50.000	50.138	-0.3	105	0.00
23	T	Vinyl Acetate	250.000	257.465	-3.0	106	0.00
24	P	1,1-Dichloroethane	50.000	49.329	1.3	105	0.00
25	T	2-Butanone	250.000	258.175	-3.3	104	0.00
26	T	2,2-Dichloropropane	50.000	50.285	-0.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.493	1.0	106	0.00
28	T	Bromochloromethane	50.000	45.250	9.5	98	0.00
29	T	Tetrahydrofuran	250.000	253.318	-1.3	104	0.00
30	C	Chloroform	50.000	48.393	3.2#	105	0.00
31	T	Cyclohexane	50.000	49.211	1.6	106	0.00
32	T	1,1,1-Trichloroethane	50.000	48.825	2.3	105	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.061	3.9	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	49.173	1.7	105	0.00
36	T	1,1-Dichloropropene	50.000	48.702	2.6	103	0.00
37	T	Ethyl Acetate	50.000	49.300	1.4	102	0.00
38	T	Carbon Tetrachloride	50.000	49.083	1.8	104	0.00
39	T	Methylcyclohexane	50.000	53.254	-6.5	109	0.00
40	TM	Benzene	50.000	49.919	0.2	104	0.00
41	T	Methacrylonitrile	50.000	53.741	-7.5	104	0.00
42	TM	1,2-Dichloroethane	50.000	50.410	-0.8	105	0.00
43	T	Isopropyl Acetate	50.000	51.798	-3.6	104	0.00
44	TM	Trichloroethene	50.000	49.917	0.2	105	0.00
45	C	1,2-Dichloropropane	50.000	50.387	-0.8#	105	0.00
46	T	Dibromomethane	50.000	49.540	0.9	103	0.00
47	T	Bromodichloromethane	50.000	50.980	-2.0	105	0.00
48	T	Methyl methacrylate	50.000	52.848	-5.7	104	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	1021.138	-2.1	101	0.00
50	S	Toluene-d8	50.000	49.649	0.7	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.112	-6.0	103	0.00
52	CM	Toluene	50.000	50.680	-1.4#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	53.731	-7.5	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.986	-6.0	106	0.00
55	T	1,1,2-Trichloroethane	50.000	50.811	-1.6	105	0.00
56	T	Ethyl methacrylate	50.000	54.068	-8.1	106	0.00
57	T	1,3-Dichloropropane	50.000	50.852	-1.7	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.352	-13.7	110	0.00
59	T	2-Hexanone	250.000	269.951	-8.0	103	0.00
60	T	Dibromochloromethane	50.000	51.673	-3.3	104	0.00
61	T	1,2-Dibromoethane	50.000	51.436	-2.9	105	0.00
62	S	4-Bromofluorobenzene	50.000	51.786	-3.6	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	49.424	1.2	105	0.00
65	PM	Chlorobenzene	50.000	50.952	-1.9	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.205	-2.4	104	0.00
67	C	Ethyl Benzene	50.000	51.415	-2.8#	105	0.00
68	T	m/p-Xylenes	100.000	104.282	-4.3	105	0.00
69	T	o-Xylene	50.000	50.804	-1.6	105	0.00
70	T	Styrene	50.000	53.521	-7.0	105	0.00
71	P	Bromoform	50.000	53.997	-8.0	103	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.921	0.2	104	0.00
74	T	N-amyl acetate	50.000	52.621	-5.2	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.331	3.3	103	0.00
76	T	1,2,3-Trichloropropane	50.000	49.659	0.7	104	0.00
77	T	Bromobenzene	50.000	49.725	0.5	104	0.00
78	T	n-propylbenzene	50.000	51.386	-2.8	106	0.00
79	T	2-Chlorotoluene	50.000	49.065	1.9	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.956	-1.9	105	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.665	-5.3	109	0.00
82	T	4-Chlorotoluene	50.000	50.872	-1.7	105	0.00
83	T	tert-Butylbenzene	50.000	50.139	-0.3	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.593	-3.2	104	0.00
85	T	sec-Butylbenzene	50.000	51.617	-3.2	107	0.00
86	T	p-Isopropyltoluene	50.000	52.581	-5.2	107	0.00
87	T	1,3-Dichlorobenzene	50.000	50.475	-1.0	106	0.00
88	T	1,4-Dichlorobenzene	50.000	49.526	0.9	105	0.00
89	T	n-Butylbenzene	50.000	55.142	-10.3	108	0.00
90	T	Hexachloroethane	50.000	50.990	-2.0	107	0.00
91	T	1,2-Dichlorobenzene	50.000	50.447	-0.9	105	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.684	-3.4	106	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.726	-5.5	109	0.00
94	T	Hexachlorobutadiene	50.000	50.683	-1.4	110	0.00
95	T	Naphthalene	50.000	53.033	-6.1	107	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	51.575	-3.2	105	0.00

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

Raw Data: **VX044976.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.: Q1370 SAS No.: Q1370 SDG No.: Q1370

Instrument ID: MSVOA_X Calibration Date/Time: 02/18/2025 10:45

Lab File ID: VX044976.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.701	0.674		-3.85	20
Chloromethane	0.854	0.757	0.1	-11.36	20
Vinyl Chloride	0.827	0.732		-11.49	20
Ethyl Acetate	0.522	0.523		0.19	20
Bromomethane	0.247	0.366		48.18	20
Chloroethane	0.307	0.412		34.2	20
Trichlorofluoromethane	1.046	1.004		-4.01	20
1,1,2-Trichlorotrifluoroethane	0.632	0.600		-5.06	20
Tert butyl alcohol	0.136	0.123		-9.56	20
1,1-Dichloroethene	0.644	0.581		-9.78	20
Acrolein	0.140	0.152		8.57	20
Acrylonitrile	0.363	0.353		-2.76	20
Acetone	0.294	0.280		-4.76	20
Carbon Disulfide	1.767	1.593		-9.85	20
Methyl tert-butyl Ether	2.050	1.970		-3.9	20
Methyl Acetate	0.928	0.940		1.29	20
Methylene Chloride	0.721	0.669		-7.21	20
trans-1,2-Dichloroethene	0.634	0.587		-7.41	20
Vinyl Acetate	1.796	1.806		0.56	20
1,1-Dichloroethane	1.233	1.162	0.1	-5.76	20
Cyclohexane	1.137	1.033		-9.15	20
2-Butanone	0.478	0.460		-3.77	20
Carbon Tetrachloride	0.460	0.461		0.22	20
2,2-Dichloropropane	0.978	0.928		-5.11	20
cis-1,2-Dichloroethene	0.762	0.724		-4.99	20
Bromochloromethane	0.593	0.592		-0.17	20
Chloroform	1.196	1.154		-3.51	20
1,1,1-Trichloroethane	1.014	0.971		-4.24	20
Methylcyclohexane	0.606	0.612		0.99	20
1,1-Dichloropropene	0.469	0.449		-4.26	20
Benzene	1.465	1.414		-3.48	20
1,2-Dichloroethane	0.467	0.488		4.5	20
Trichloroethene	0.335	0.335		0	20
1,2-Dichloropropane	0.364	0.366		0.55	20
Dibromomethane	0.253	0.257		1.58	20
Bromodichloromethane	0.489	0.514		5.11	20
4-Methyl-2-Pentanone	0.512	0.536		4.69	20
Toluene	0.872	0.862		-1.15	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: **VX044976.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.: Q1370 SAS No.: Q1370 SDG No.: Q1370

Instrument ID: MSVOA_X Calibration Date/Time: 02/18/2025 10:45

Lab File ID: VX044976.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.495	0.530		7.07	20
cis-1,3-Dichloropropene	0.552	0.579		4.89	20
1,1,2-Trichloroethane	0.335	0.339		1.19	20
1,3-Dichloropropane	0.587	0.585		-0.34	20
2-Chloroethyl Vinyl ether	0.266	0.291		9.4	20
2-Hexanone	0.369	0.395		7.05	20
Dibromochloromethane	0.359	0.386		7.52	20
1,2-Dibromoethane	0.340	0.345		1.47	20
Tetrachloroethene	0.315	0.308		-2.22	20
Chlorobenzene	1.074	1.071	0.3	-0.28	20
1,1,1,2-Tetrachloroethane	0.346	0.346		0	20
Hexachloroethane	0.616	0.590		-4.22	20
Ethyl Benzene	1.895	1.877		-0.95	20
m/p-Xylenes	0.699	0.694		-0.71	20
o-Xylene	0.701	0.678		-3.28	20
Styrene	1.130	1.169		3.45	20
Bromoform	0.258	0.283	0.1	9.69	20
Isopropylbenzene	4.026	3.650		-9.34	20
1,1,2,2-Tetrachloroethane	1.383	1.259	0.3	-8.97	20
1,2,3-Trichloropropane	1.109	1.063		-4.15	20
Bromobenzene	0.913	0.851		-6.79	20
n-propylbenzene	4.647	4.417		-4.95	20
2-Chlorotoluene	2.856	2.547		-10.82	20
1,3,5-Trimethylbenzene	3.267	3.046		-6.76	20
4-Chlorotoluene	3.160	3.020		-4.43	20
tert-Butylbenzene	3.305	3.090		-6.51	20
1,2,4-Trimethylbenzene	3.225	3.082		-4.43	20
sec-Butylbenzene	4.093	3.947		-3.57	20
p-Isopropyltoluene	3.291	3.263		-0.85	20
1,3-Dichlorobenzene	1.678	1.635		-2.56	20
1,4-Dichlorobenzene	1.697	1.657		-2.36	20
n-Butylbenzene	2.912	3.194		9.68	20
1,2-Dichlorobenzene	1.650	1.605		-2.73	20
1,2-Dibromo-3-Chloropropane	0.252	0.241		-4.36	20
1,2,4-Trichlorobenzene	0.998	1.051		5.31	20
Hexachlorobutadiene	0.396	0.426		7.58	20
Naphthalene	3.608	3.494		-3.16	20
1,2,3-Trichlorobenzene	1.006	1.016		0.99	20

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1370 SAS No.: Q1370 SDG No.: Q1370

Instrument ID: MSVOA_X Calibration Date/Time: 02/18/2025 10:45

Lab File ID: VX044976.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.732	0.750		2.46	20
Dibromofluoromethane	0.325	0.345		6.15	20
Toluene-d8	1.229	1.278		3.99	20
4-Bromofluorobenzene	0.414	0.457		10.39	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	118005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	207185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	183597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	88505	51.24	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.48%			
35) Dibromofluoromethane	5.373	113	71537	53.11	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.22%			
50) Toluene-d8	8.641	98	264709	51.97	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.94%			
62) 4-Bromofluorobenzene	11.079	95	94655	55.12	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.24%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	79532	48.05	ug/l	98
3) Chloromethane	1.294	50	89366	44.36	ug/l	98
4) Vinyl Chloride	1.374	62	86399	44.27	ug/l	98
5) Bromomethane	1.599	94	43230	74.03	ug/l	98
6) Chloroethane	1.679	64	52022	77.62	ug/l	98
7) Trichlorofluoromethane	1.886	101	118458	48.00	ug/l	99
8) Diethyl Ether	2.130	74	44086	49.26	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	70768	47.46	ug/l	98
10) Methyl Iodide	2.447	142	91917	47.56	ug/l	98
11) Tert butyl alcohol	2.947	59	72730	226.96	ug/l	100
12) 1,1-Dichloroethene	2.313	96	68545	45.07	ug/l	96
13) Acrolein	2.233	56	89524	270.77	ug/l	99
14) Allyl chloride	2.660	41	131785	47.94	ug/l	99
15) Acrylonitrile	3.056	53	208149	243.27	ug/l	99
16) Acetone	2.373	43	165312	238.06	ug/l	96
17) Carbon Disulfide	2.508	76	187991	45.07	ug/l	99
18) Methyl Acetate	2.697	43	110883	50.60	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	232450	48.03	ug/l	99
20) Methylene Chloride	2.782	84	78990	46.44	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	69252	46.26	ug/l	94
22) Diisopropyl ether	3.751	45	257144	49.45	ug/l	94
23) Vinyl Acetate	3.715	43	1065465	251.31	ug/l	100
24) 1,1-Dichloroethane	3.599	63	137149	47.13	ug/l	100
25) 2-Butanone	4.538	43	271668	240.92	ug/l	94
26) 2,2-Dichloropropane	4.465	77	109467	47.44	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	85380	47.48	ug/l	98
28) Bromochloromethane	4.885	49	69881	49.97	ug/l	100
29) Tetrahydrofuran	4.995	42	177361	236.87	ug/l	99
30) Chloroform	5.086	83	136159	48.25	ug/l	96
31) Cyclohexane	5.464	56	121894	45.44	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	114614	47.88	ug/l	99
36) 1,1-Dichloropropene	5.684	75	92923	47.81	ug/l	99
37) Ethyl Acetate	4.696	43	108339	50.12	ug/l	98
38) Carbon Tetrachloride	5.666	117	95463	50.13	ug/l	98
39) Methylcyclohexane	7.373	83	126871	50.50	ug/l	98
40) Benzene	6.025	78	293013	48.28	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	60945	52.67	ug/l		99
42) 1,2-Dichloroethane	6.080	62	101150	52.30	ug/l		98
43) Isopropyl Acetate	6.330	43	178579	51.16	ug/l		99
44) Trichloroethene	7.117	130	69360	50.00	ug/l		98
45) 1,2-Dichloropropane	7.421	63	75767	50.18	ug/l		100
46) Dibromomethane	7.574	93	53216	50.83	ug/l		98
47) Bromodichloromethane	7.812	83	106534	52.55	ug/l		99
48) Methyl methacrylate	7.684	41	85130	51.72	ug/l		98
49) 1,4-Dioxane	7.653	88	35704	1011.07	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	555541	261.78	ug/l		99
52) Toluene	8.714	92	178656	49.43	ug/l		100
53) t-1,3-Dichloropropene	8.970	75	109793	53.52	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	119963	52.44	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	70262	50.57	ug/l		98
56) Ethyl methacrylate	9.110	69	115147	51.32	ug/l		97
57) 1,3-Dichloropropane	9.305	76	121286	49.89	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	301429	273.58	ug/l		99
59) 2-Hexanone	9.427	43	409204	267.62	ug/l		97
60) Dibromochloromethane	9.512	129	79957	53.81	ug/l		99
61) 1,2-Dibromoethane	9.604	107	71400	50.71	ug/l		98
64) Tetrachloroethene	9.269	164	56478	48.78	ug/l		97
65) Chlorobenzene	10.073	112	196568	49.85	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	63488	50.02	ug/l		99
67) Ethyl Benzene	10.189	91	344608	49.52	ug/l		100
68) m/p-Xylenes	10.299	106	254807	99.26	ug/l		99
69) o-Xylene	10.640	106	124437	48.31	ug/l		99
70) Styrene	10.653	104	214624	51.72	ug/l		99
71) Bromoform	10.793	173	51973	54.87	ug/l	#	99
73) Isopropylbenzene	10.957	105	324136	45.33	ug/l		99
74) N-amyl acetate	10.842	43	156526	48.38	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	111814	45.51	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	101933m	51.77	ug/l		
77) Bromobenzene	11.195	156	75531	46.59	ug/l		99
78) n-propylbenzene	11.299	91	392244	47.53	ug/l		100
79) 2-Chlorotoluene	11.360	91	226171	44.59	ug/l		98
80) 1,3,5-Trimethylbenzene	11.445	105	270445	46.61	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.012	75	35570	46.47	ug/l		98
82) 4-Chlorotoluene	11.451	91	268193	47.79	ug/l		100
83) tert-Butylbenzene	11.713	119	274415	46.75	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	273687	47.79	ug/l		100
85) sec-Butylbenzene	11.890	105	350459	48.22	ug/l		100
86) p-Isopropyltoluene	12.006	119	289729	49.57	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	145157	48.69	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	147103	48.81	ug/l		99
89) n-Butylbenzene	12.329	91	283636	54.85	ug/l		100
90) Hexachloroethane	12.536	117	52382	47.86	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	142515	48.64	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21445	47.82	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	93307	52.63	ug/l		100
94) Hexachlorobutadiene	13.719	225	37861	53.80	ug/l		99
95) Naphthalene	13.774	128	310246	48.41	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	90229	50.51	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
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 :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

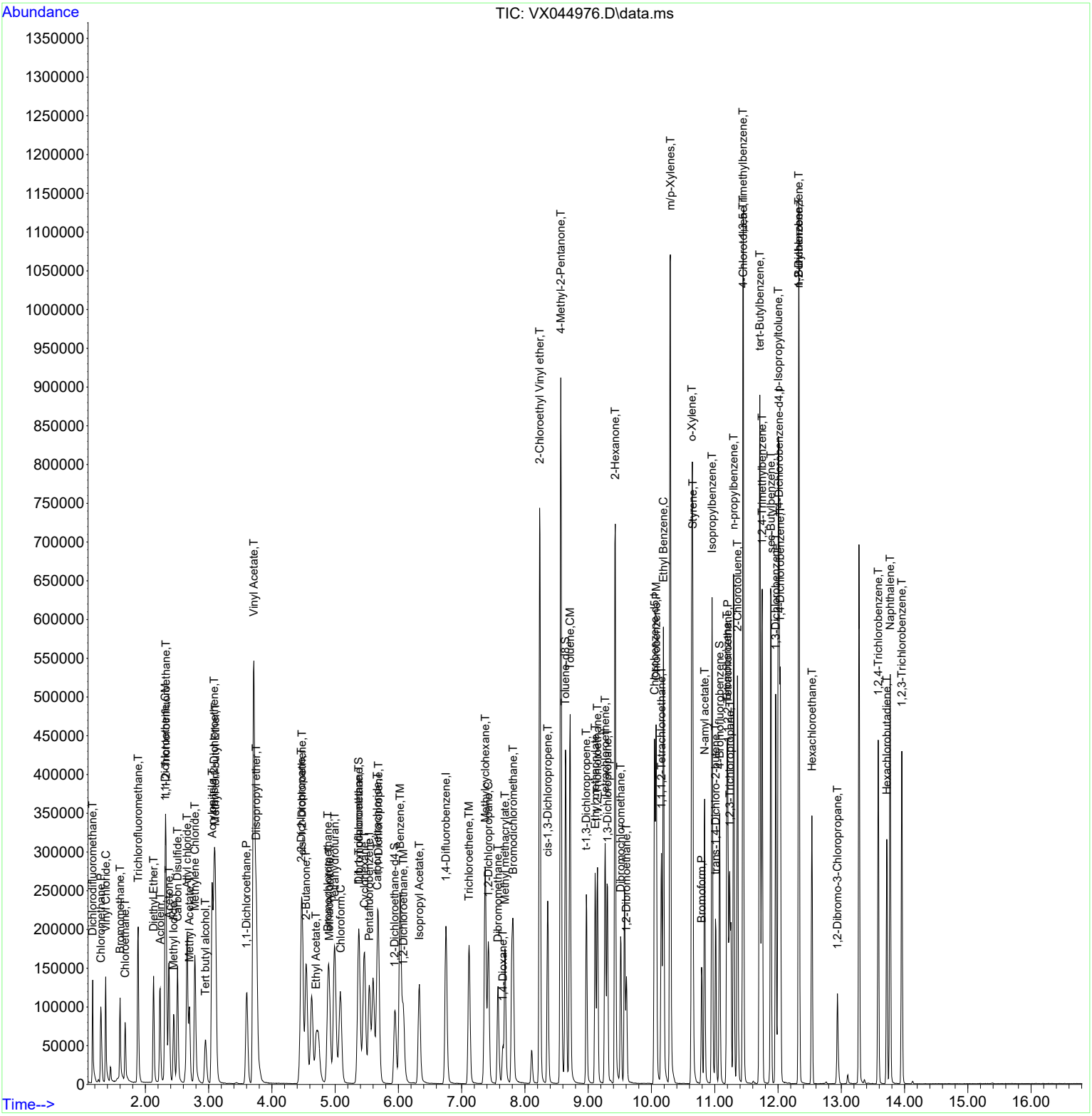
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 18 11:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	92	0.00
2	T	Dichlorodifluoromethane	0.701	0.674	3.9	89	0.00
3	P	Chloromethane	0.854	0.757	11.4	83	0.00
4	C	Vinyl Chloride	0.827	0.732	11.5#	84	0.00
5	T	Bromomethane	0.247	0.366	-48.2#	136	0.00
6	T	Chloroethane	0.307	0.412	-34.2#	111	0.01
7	T	Trichlorofluoromethane	1.046	1.004	4.0	90	0.01
8	T	Diethyl Ether	0.379	0.374	1.3	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.600	5.1	88	0.00
10	T	Methyl Iodide	0.819	0.779	4.9	85	0.00
11	T	Tert butyl alcohol	0.136	0.123	9.6	83	-0.04
12	CM	1,1-Dichloroethene	0.644	0.581	9.8#	85	0.00
13	T	Acrolein	0.140	0.152	-8.6	99	0.00
14	T	Allyl chloride	1.165	1.117	4.1	89	0.00
15	T	Acrylonitrile	0.363	0.353	2.8	86	0.00
16	T	Acetone	0.294	0.280	4.8	88	0.00
17	T	Carbon Disulfide	1.767	1.593	9.8	83	0.00
18	T	Methyl Acetate	0.928	0.940	-1.3	92	0.00
19	T	Methyl tert-butyl Ether	2.050	1.970	3.9	89	0.00
20	T	Methylene Chloride	0.721	0.669	7.2	88	0.00
21	T	trans-1,2-Dichloroethene	0.634	0.587	7.4	85	0.00
22	T	Diisopropyl ether	2.203	2.179	1.1	89	0.00
23	T	Vinyl Acetate	1.796	1.806	-0.6	90	0.00
24	P	1,1-Dichloroethane	1.233	1.162	5.8	87	0.00
25	T	2-Butanone	0.478	0.460	3.8	84	-0.02
26	T	2,2-Dichloropropane	0.978	0.928	5.1	90	0.00
27	T	cis-1,2-Dichloroethene	0.762	0.724	5.0	88	0.00
28	T	Bromochloromethane	0.593	0.592	0.2	94	0.00
29	T	Tetrahydrofuran	0.317	0.301	5.0	84	0.00
30	C	Chloroform	1.196	1.154	3.5#	91	0.00
31	T	Cyclohexane	1.137	1.033	9.1	85	0.00
32	T	1,1,1-Trichloroethane	1.014	0.971	4.2	89	0.00
33	S	1,2-Dichloroethane-d4	0.732	0.750	-2.5	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.325	0.345	-6.2	96	0.00
36	T	1,1-Dichloropropene	0.469	0.449	4.3	86	0.00
37	T	Ethyl Acetate	0.522	0.523	-0.2	88	-0.01
38	T	Carbon Tetrachloride	0.460	0.461	-0.2	90	0.00
39	T	Methylcyclohexane	0.606	0.612	-1.0	87	0.00
40	TM	Benzene	1.465	1.414	3.5	85	0.00
41	T	Methacrylonitrile	0.279	0.294	-5.4	86	0.00
42	TM	1,2-Dichloroethane	0.467	0.488	-4.5	92	0.00
43	T	Isopropyl Acetate	0.842	0.862	-2.4	87	0.00
44	TM	Trichloroethene	0.335	0.335	0.0	89	0.00
45	C	1,2-Dichloropropane	0.364	0.366	-0.5#	88	0.00
46	T	Dibromomethane	0.253	0.257	-1.6	89	0.00
47	T	Bromodichloromethane	0.489	0.514	-5.1	91	0.00
48	T	Methyl methacrylate	0.397	0.411	-3.5	86	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	0.009	0.009	0.0	85	0.00
50	S	Toluene-d8	1.229	1.278	-4.0	91	0.00
51	T	4-Methyl-2-Pentanone	0.512	0.536	-4.7	86	0.00
52	CM	Toluene	0.872	0.862	1.1#	85	0.00
53	T	t-1,3-Dichloropropene	0.495	0.530	-7.1	91	0.00
54	T	cis-1,3-Dichloropropene	0.552	0.579	-4.9	89	0.00
55	T	1,1,2-Trichloroethane	0.335	0.339	-1.2	88	0.00
56	T	Ethyl methacrylate	0.542	0.556	-2.6	85	0.00
57	T	1,3-Dichloropropane	0.587	0.585	0.3	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.291	-9.4	90	0.00
59	T	2-Hexanone	0.369	0.395	-7.0	87	0.00
60	T	Dibromochloromethane	0.359	0.386	-7.5	92	0.00
61	T	1,2-Dibromoethane	0.340	0.345	-1.5	87	0.00
62	S	4-Bromofluorobenzene	0.414	0.457	-10.4	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.315	0.308	2.2	89	0.00
65	PM	Chlorobenzene	1.074	1.071	0.3	88	0.00
66	T	1,1,1,2-Tetrachloroethane	0.346	0.346	0.0	88	0.00
67	C	Ethyl Benzene	1.895	1.877	0.9#	87	0.00
68	T	m/p-Xylenes	0.699	0.694	0.7	86	0.00
69	T	o-Xylene	0.701	0.678	3.3	86	0.00
70	T	Styrene	1.130	1.169	-3.5	87	0.00
71	P	Bromoform	0.258	0.283	-9.7	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	4.026	3.650	9.3	86	0.00
74	T	N-amyl acetate	1.822	1.763	3.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.383	1.259	9.0	88	0.00
76	T	1,2,3-Trichloropropane	1.109	1.063	4.1	92	0.00
77	T	Bromobenzene	0.913	0.851	6.8	89	0.00
78	T	n-propylbenzene	4.647	4.417	4.9	90	0.00
79	T	2-Chlorotoluene	2.856	2.547	10.8	86	0.00
80	T	1,3,5-Trimethylbenzene	3.267	3.046	6.8	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.431	0.401	7.0	88	0.00
82	T	4-Chlorotoluene	3.160	3.020	4.4	91	0.00
83	T	tert-Butylbenzene	3.305	3.090	6.5	89	0.00
84	T	1,2,4-Trimethylbenzene	3.225	3.082	4.4	88	0.00
85	T	sec-Butylbenzene	4.093	3.947	3.6	91	0.00
86	T	p-Isopropyltoluene	3.291	3.263	0.9	92	0.00
87	T	1,3-Dichlorobenzene	1.678	1.635	2.6	93	0.00
88	T	1,4-Dichlorobenzene	1.697	1.657	2.4	94	0.00
89	T	n-Butylbenzene	2.912	3.194	-9.7	99	0.00
90	T	Hexachloroethane	0.616	0.590	4.2	92	0.00
91	T	1,2-Dichlorobenzene	1.650	1.605	2.7	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.252	0.241	4.4	90	0.00
93	T	1,2,4-Trichlorobenzene	0.998	1.051	-5.3	99	0.00
94	T	Hexachlorobutadiene	0.396	0.426	-7.6	107	0.00
95	T	Naphthalene	3.608	3.494	3.2	89	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.006	1.016	-1.0	94	0.00

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

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	92	0.00
2	T	Dichlorodifluoromethane	50.000	48.053	3.9	89	0.00
3	P	Chloromethane	50.000	44.364	11.3	83	0.00
4	C	Vinyl Chloride	50.000	44.273	11.5#	84	0.00
5	T	Bromomethane	50.000	74.028	-48.1#	136	0.00
6	T	Chloroethane	50.000	69.835	-39.7#	111	0.01
7	T	Trichlorofluoromethane	50.000	48.000	4.0	90	0.01
8	T	Diethyl Ether	50.000	49.258	1.5	92	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.461	5.1	88	0.00
10	T	Methyl Iodide	50.000	47.565	4.9	85	0.00
11	T	Tert butyl alcohol	250.000	226.956	9.2	83	-0.04
12	CM	1,1-Dichloroethene	50.000	45.066	9.9#	85	0.00
13	T	Acrolein	250.000	270.766	-8.3	99	0.00
14	T	Allyl chloride	50.000	47.942	4.1	89	0.00
15	T	Acrylonitrile	250.000	243.274	2.7	86	0.00
16	T	Acetone	250.000	238.057	4.8	88	0.00
17	T	Carbon Disulfide	50.000	45.073	9.9	83	0.00
18	T	Methyl Acetate	50.000	50.601	-1.2	92	0.00
19	T	Methyl tert-butyl Ether	50.000	48.034	3.9	89	0.00
20	T	Methylene Chloride	50.000	46.440	7.1	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.261	7.5	85	0.00
22	T	Diisopropyl ether	50.000	49.447	1.1	89	0.00
23	T	Vinyl Acetate	250.000	251.308	-0.5	90	0.00
24	P	1,1-Dichloroethane	50.000	47.133	5.7	87	0.00
25	T	2-Butanone	250.000	240.923	3.6	84	-0.02
26	T	2,2-Dichloropropane	50.000	47.438	5.1	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.483	5.0	88	0.00
28	T	Bromochloromethane	50.000	49.972	0.1	94	0.00
29	T	Tetrahydrofuran	250.000	236.873	5.3	84	0.00
30	C	Chloroform	50.000	48.250	3.5#	91	0.00
31	T	Cyclohexane	50.000	45.439	9.1	85	0.00
32	T	1,1,1-Trichloroethane	50.000	47.884	4.2	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.237	-2.5	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	53.107	-6.2	96	0.00
36	T	1,1-Dichloropropene	50.000	47.814	4.4	86	0.00
37	T	Ethyl Acetate	50.000	50.119	-0.2	88	-0.01
38	T	Carbon Tetrachloride	50.000	50.126	-0.3	90	0.00
39	T	Methylcyclohexane	50.000	50.495	-1.0	87	0.00
40	TM	Benzene	50.000	48.284	3.4	85	0.00
41	T	Methacrylonitrile	50.000	52.673	-5.3	86	0.00
42	TM	1,2-Dichloroethane	50.000	52.298	-4.6	92	0.00
43	T	Isopropyl Acetate	50.000	51.158	-2.3	87	0.00
44	TM	Trichloroethene	50.000	50.004	-0.0	89	0.00
45	C	1,2-Dichloropropane	50.000	50.185	-0.4#	88	0.00
46	T	Dibromomethane	50.000	50.826	-1.7	89	0.00
47	T	Bromodichloromethane	50.000	52.549	-5.1	91	0.00
48	T	Methyl methacrylate	50.000	51.722	-3.4	86	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
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	1011.072	-1.1	85	0.00
50	S	Toluene-d8	50.000	51.968	-3.9	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	261.781	-4.7	86	0.00
52	CM	Toluene	50.000	49.433	1.1#	85	0.00
53	T	t-1,3-Dichloropropene	50.000	53.517	-7.0	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.445	-4.9	89	0.00
55	T	1,1,2-Trichloroethane	50.000	50.573	-1.1	88	0.00
56	T	Ethyl methacrylate	50.000	51.316	-2.6	85	0.00
57	T	1,3-Dichloropropane	50.000	49.894	0.2	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.585	-9.4	90	0.00
59	T	2-Hexanone	250.000	267.622	-7.0	87	0.00
60	T	Dibromochloromethane	50.000	53.813	-7.6	92	0.00
61	T	1,2-Dibromoethane	50.000	50.705	-1.4	87	0.00
62	S	4-Bromofluorobenzene	50.000	55.122	-10.2	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	48.778	2.4	89	0.00
65	PM	Chlorobenzene	50.000	49.847	0.3	88	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.020	-0.0	88	0.00
67	C	Ethyl Benzene	50.000	49.521	1.0#	87	0.00
68	T	m/p-Xylenes	100.000	99.262	0.7	86	0.00
69	T	o-Xylene	50.000	48.310	3.4	86	0.00
70	T	Styrene	50.000	51.719	-3.4	87	0.00
71	P	Bromoform	50.000	54.868	-9.7	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	45.333	9.3	86	0.00
74	T	N-amyl acetate	50.000	48.377	3.2	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.508	9.0	88	0.00
76	T	1,2,3-Trichloropropane	50.000	47.933	4.1	92	0.00
77	T	Bromobenzene	50.000	46.594	6.8	89	0.00
78	T	n-propylbenzene	50.000	47.528	4.9	90	0.00
79	T	2-Chlorotoluene	50.000	44.590	10.8	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.609	6.8	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.474	7.1	88	0.00
82	T	4-Chlorotoluene	50.000	47.793	4.4	91	0.00
83	T	tert-Butylbenzene	50.000	46.750	6.5	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.790	4.4	88	0.00
85	T	sec-Butylbenzene	50.000	48.215	3.6	91	0.00
86	T	p-Isopropyltoluene	50.000	49.566	0.9	92	0.00
87	T	1,3-Dichlorobenzene	50.000	48.694	2.6	93	0.00
88	T	1,4-Dichlorobenzene	50.000	48.806	2.4	94	0.00
89	T	n-Butylbenzene	50.000	54.848	-9.7	99	0.00
90	T	Hexachloroethane	50.000	47.860	4.3	92	0.00
91	T	1,2-Dichlorobenzene	50.000	48.643	2.7	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.822	4.4	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.632	-5.3	99	0.00
94	T	Hexachlorobutadiene	50.000	53.796	-7.6	107	0.00
95	T	Naphthalene	50.000	48.411	3.2	89	0.00

Sample Results: **VX044976.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044976.D
Acq On : 18 Feb 2025 10:45
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.509	-1.0	94	0.00

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

QC SAMPLE DATA

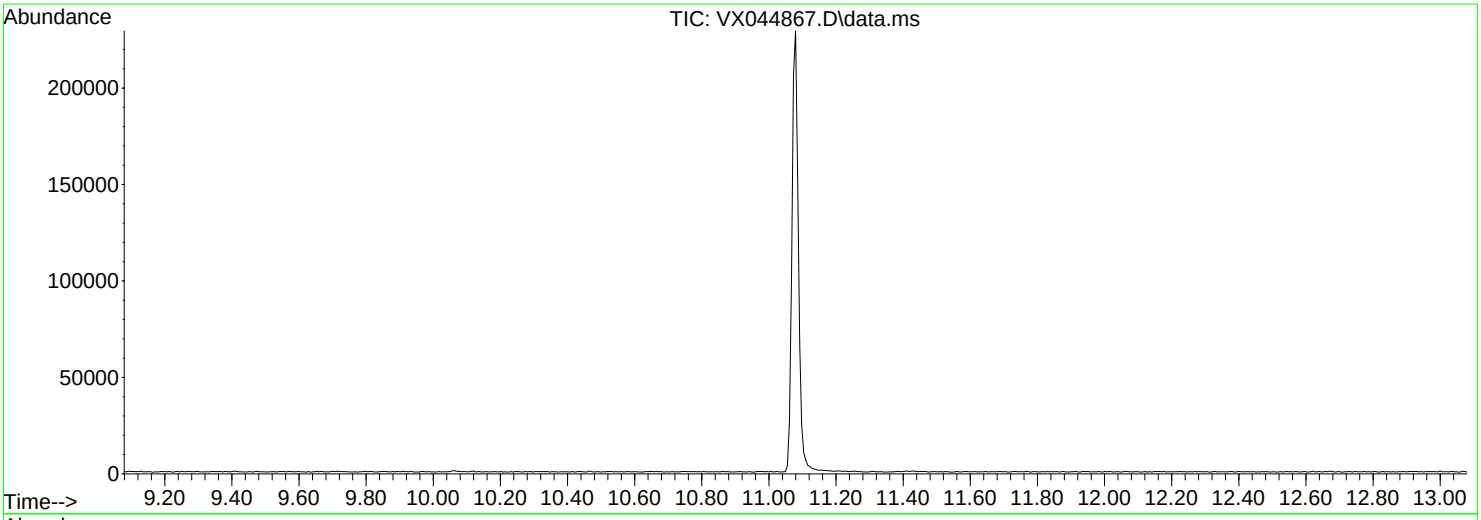
Sample Results: **VX044867.D**

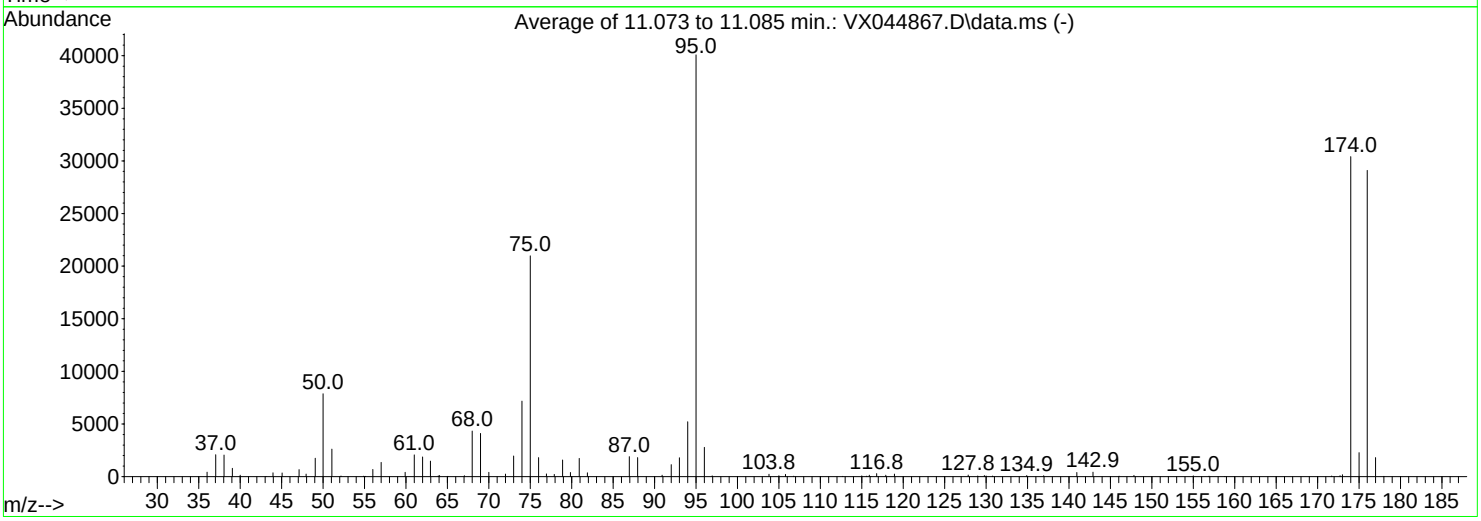
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044867.D
Acq On : 10 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

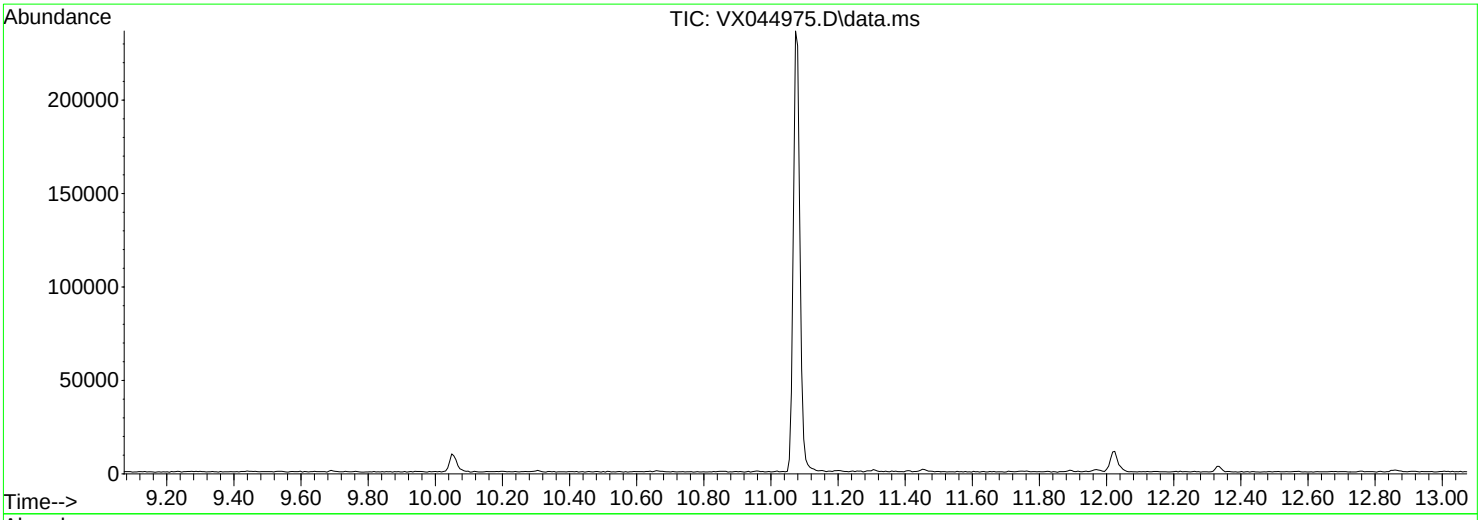
Sample Results: **VX044975.D**

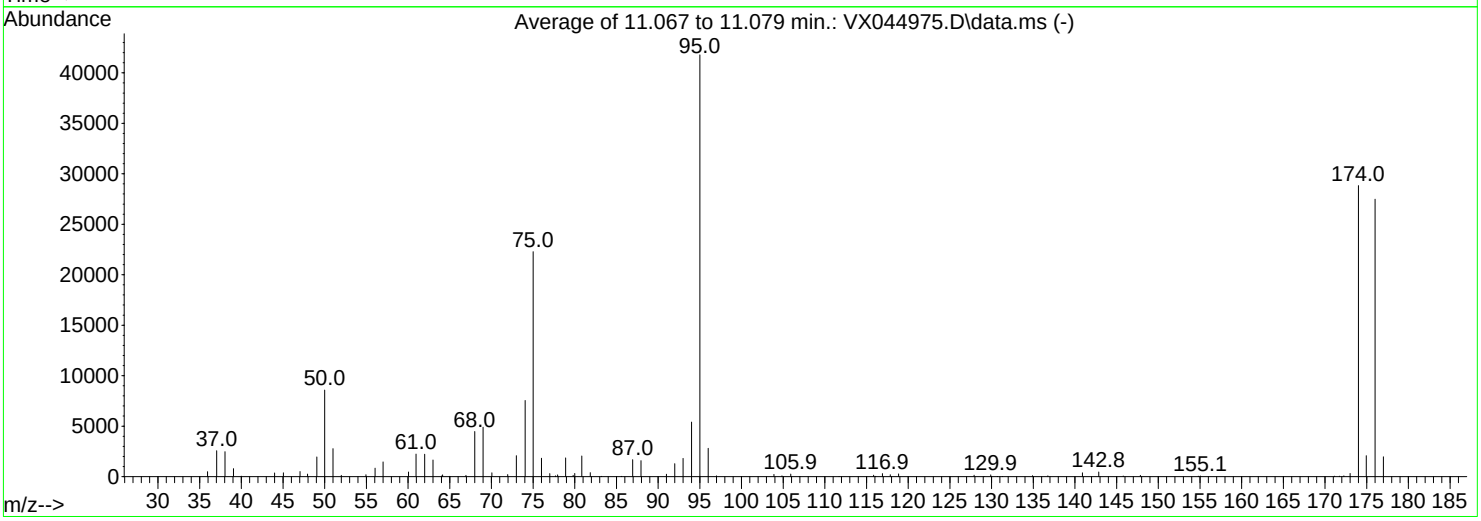
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044975.D
Acq On : 18 Feb 2025 09:46
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025





AutoFind: Scans 1637, 1638, 1639; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	8576	PASS
75	95	30	60	53.4	22293	PASS
95	95	100	100	100.0	41784	PASS
96	95	5	9	6.7	2810	PASS
173	174	0.00	2	1.1	311	PASS
174	95	50	100	69.0	28824	PASS
175	174	5	9	7.2	2082	PASS
176	174	95	101	95.3	27481	PASS
177	176	5	9	7.2	1967	PASS

Raw Data: **VX044978.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:	VX0218WBL01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBL01	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
VX044978.D	1		02/18/25 11:31	VX021825

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: **VX044978.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:	VX0218WBL01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBL01	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
VX044978.D	1		02/18/25 11:31	VX021825

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: **VX044978.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:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0218WBL01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBL01	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
VX044978.D	1		02/18/25 11:31	VX021825

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	56.9		74 - 125	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	51.9		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92900	5.55			
540-36-3	1,4-Difluorobenzene	191000	6.757			
3114-55-4	Chlorobenzene-d5	185000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	91300	12.018			

Raw Data: **VX044978.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:	VX0218WBL01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBL01	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
VX044978.D	1		02/18/25 11:31	VX021825

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\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Quant Time: Feb 18 11:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

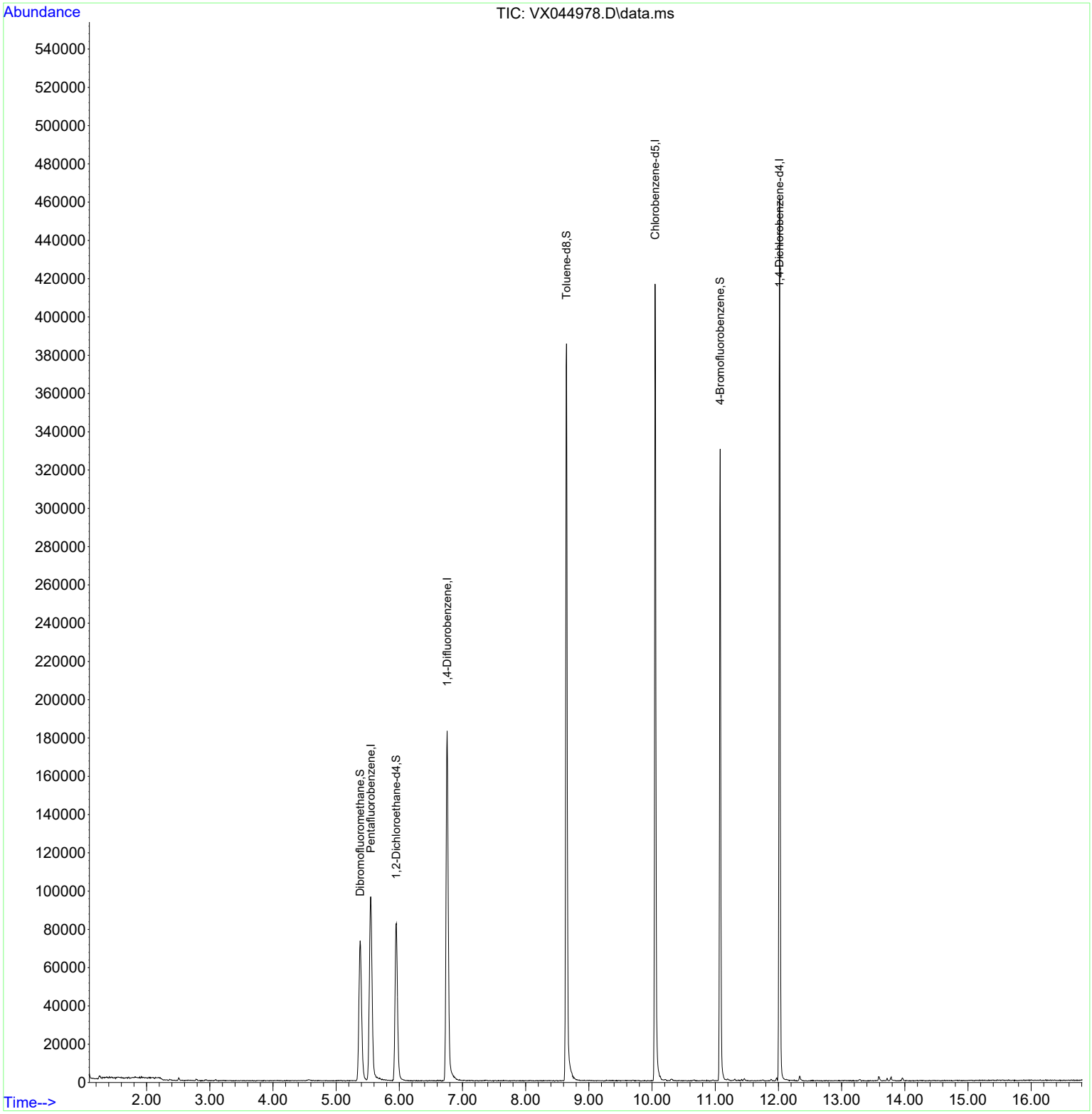
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	92895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	191012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91305	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77390	56.91	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.82%			
35) Dibromofluoromethane	5.379	113	65431	52.69	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.38%			
50) Toluene-d8	8.647	98	243600	51.87	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.74%			
62) 4-Bromofluorobenzene	11.079	95	89284	56.40	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.80%			
Target Compounds						Qvalue

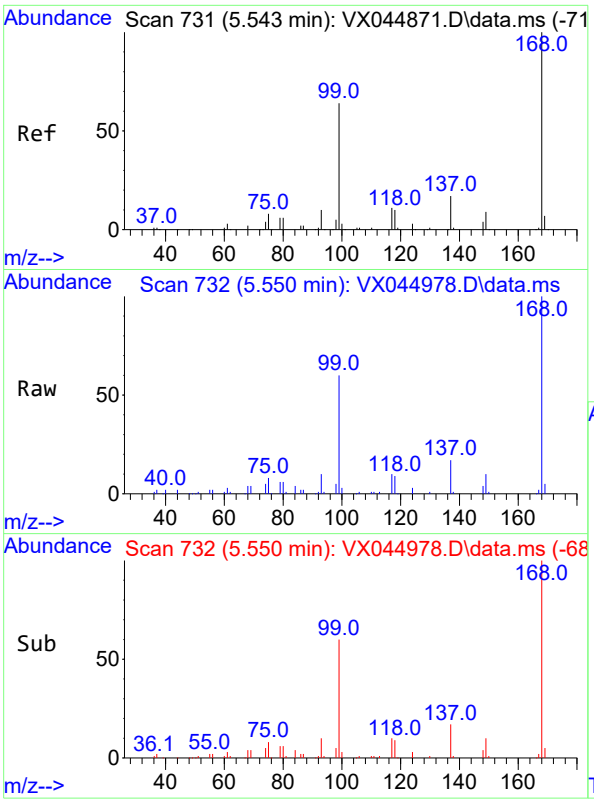
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044978.D
Acq On : 18 Feb 2025 11:31
Operator : JC/MD
Sample : VX0218WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Quant Time: Feb 18 11:57:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration



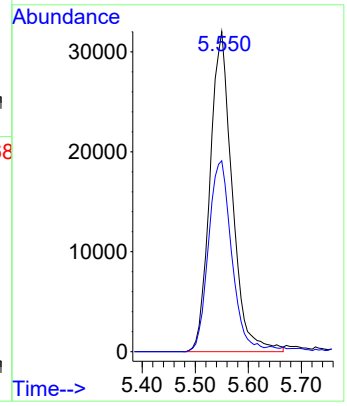


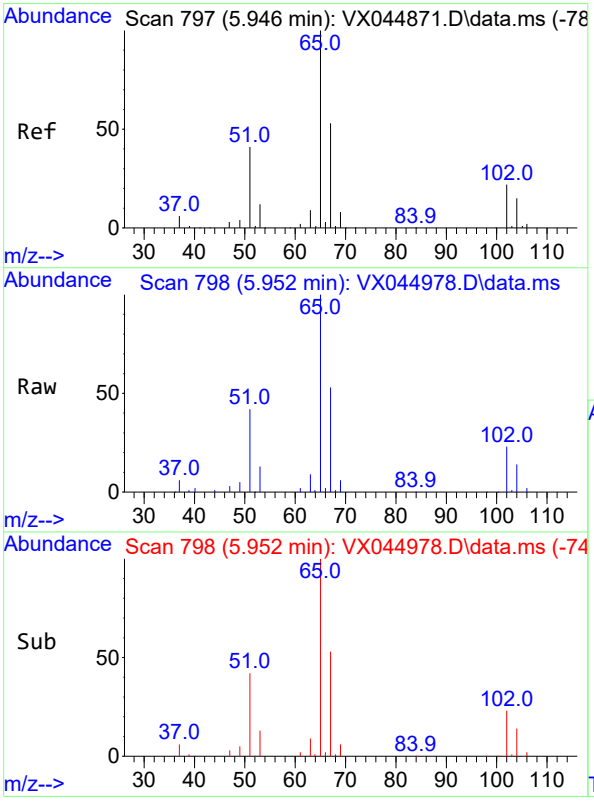
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion:168 Resp: 92895

Ion	Ratio	Lower	Upper
168	100		
99	59.6	51.2	76.8

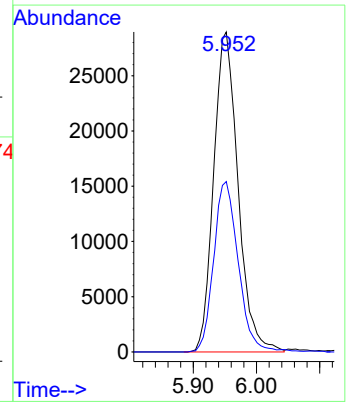


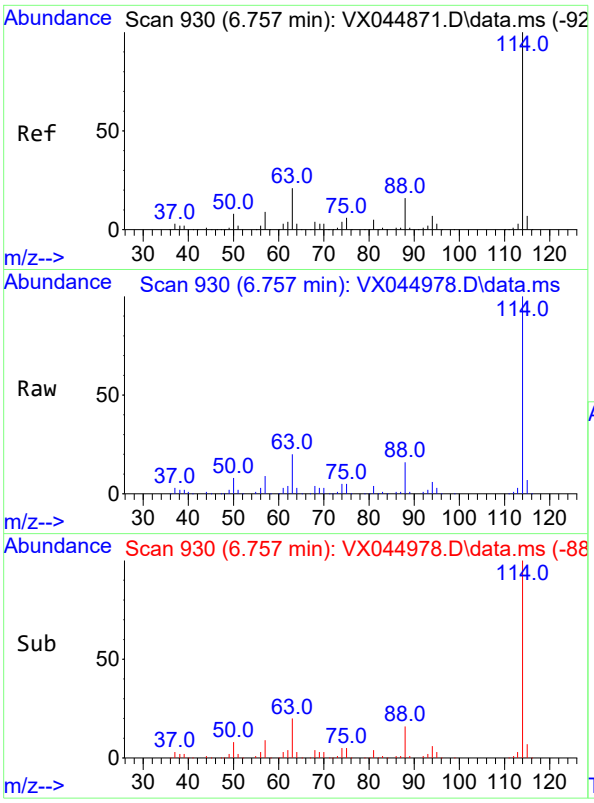


#33
1,2-Dichloroethane-d4
Concen: 56.91 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion: 65 Resp: 77390

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	108.2



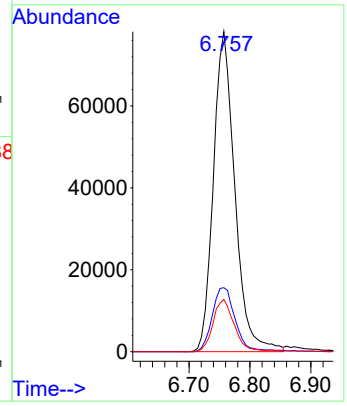


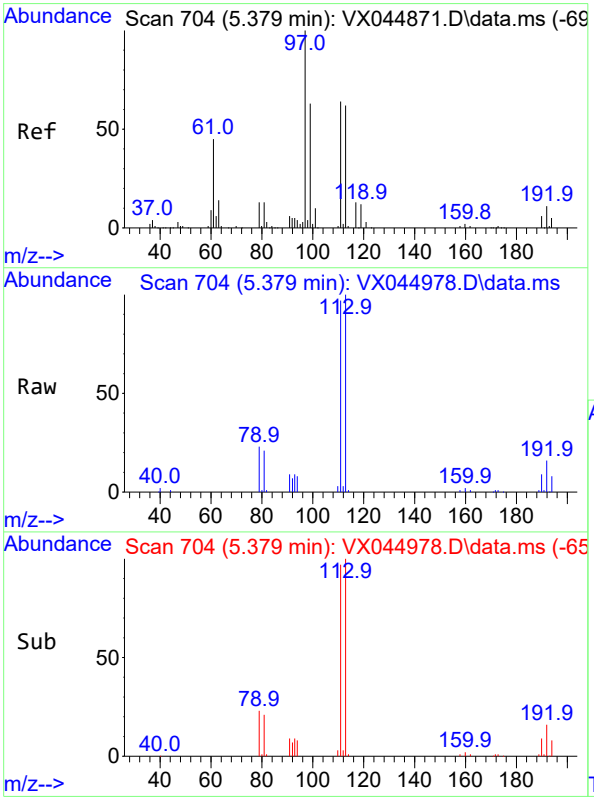
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion:114 Resp: 191012

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.4
88	16.3	0.0	31.4

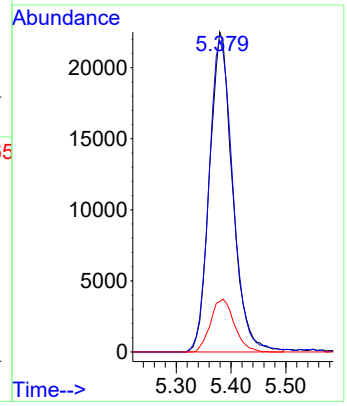


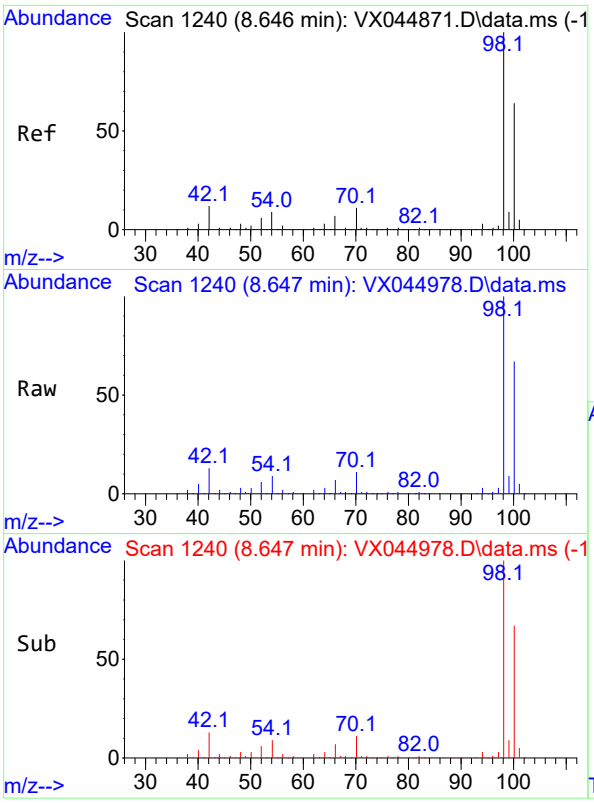


#35
Dibromofluoromethane
Concen: 52.69 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion:113 Resp: 65431

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.5	125.3
192	17.1	14.4	21.6



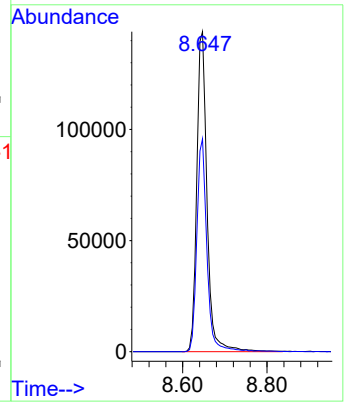


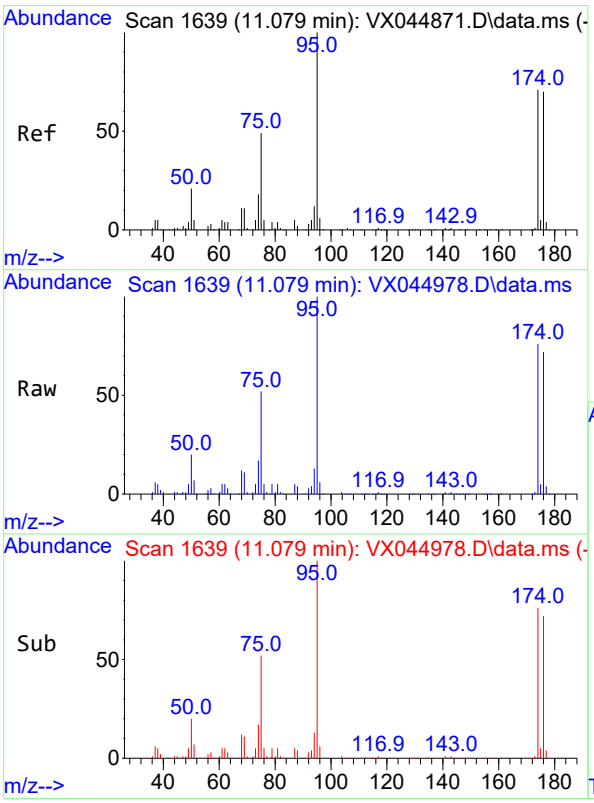
#50
Toluene-d8
Concen: 51.87 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion: 98 Resp: 243600

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

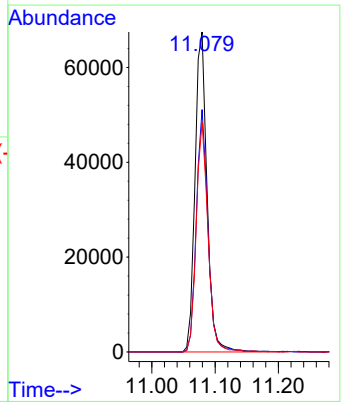


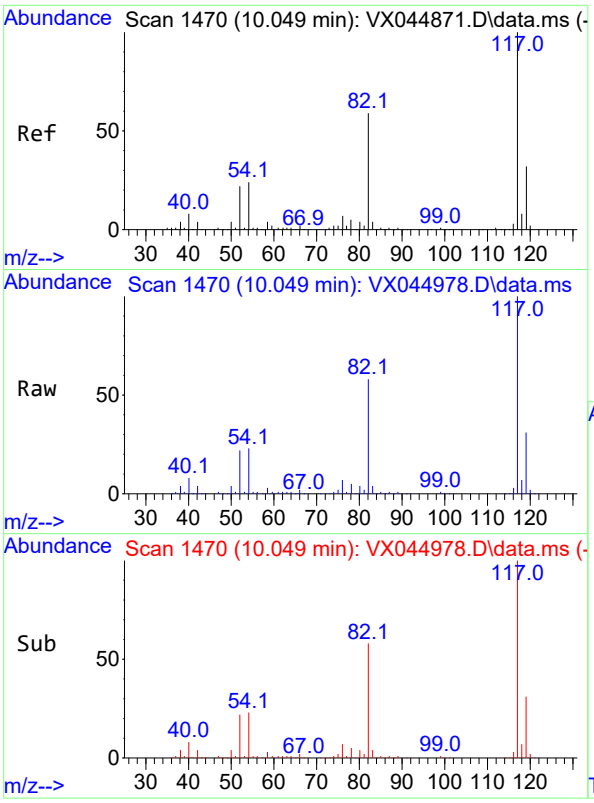


#62
4-Bromofluorobenzene
Concen: 56.40 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion: 95 Resp: 89284

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	142.6
176	70.1	0.0	141.6



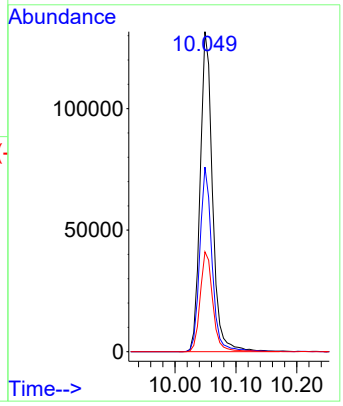


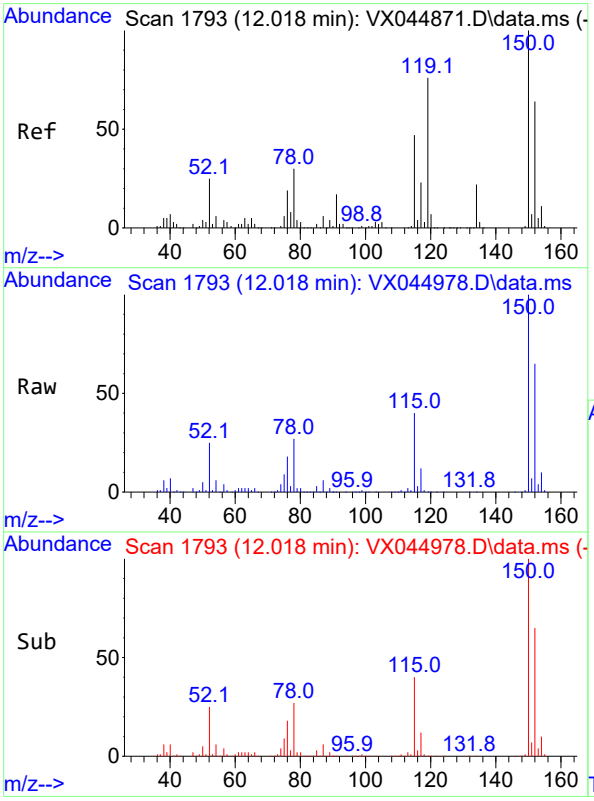
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBL01

Tgt Ion:117 Resp: 185140

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.5	71.3
119	31.2	25.4	38.0

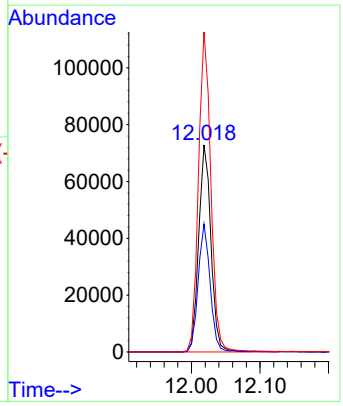




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044978.D
Acq: 18 Feb 2025 11:31

Tgt Ion:152 Resp: 91305

Ion	Ratio	Lower	Upper
152	100		
115	60.2	43.4	130.1
150	155.1	0.0	350.4



Raw Data: **VX044979.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:	VX0218WBS01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBS01	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
VX044979.D	1		02/18/25 11:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.21	1.00	ug/L
74-87-3	Chloromethane	18.9		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	19.7		0.38	1.00	ug/L
74-83-9	Bromomethane	30.4		1.40	5.00	ug/L
75-00-3	Chloroethane	27.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.26	1.00	ug/L
107-02-8	Acrolein	98.0		6.70	25.0	ug/L
107-13-1	Acrylonitrile	110		0.90	5.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.8		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.0		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	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.5		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	19.8		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.5		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	20.0		0.18	1.00	ug/L

Raw Data: **VX044979.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:	VX0218WBS01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBS01	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
VX044979.D	1		02/18/25 11:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	19.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.19	1.00	ug/L
74-95-3	Dibromomethane	20.7		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	20.5		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.6		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		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	20.7		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	97.6		1.80	5.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.4		0.21	1.00	ug/L
67-72-1	Hexachloroethane	18.8		0	0	ug/L
100-41-4	Ethyl Benzene	20.1		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.3		0.14	1.00	ug/L
100-42-5	Styrene	21.0		0.16	1.00	ug/L
75-25-2	Bromoform	21.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	20.0		0.39	1.00	ug/L
108-86-1	Bromobenzene	19.8		0.26	1.00	ug/L
103-65-1	n-propylbenzene	19.6		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	19.2		0.16	1.00	ug/L

Raw Data: **VX044979.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:	VX0218WBS01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBS01	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
VX044979.D	1		02/18/25 11:54	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	19.8		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	20.0		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	19.7		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.3		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	19.8		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.2		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.2		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	20.8		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.2		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	20.1		0.31	1.00	ug/L
91-20-3	Naphthalene	19.6		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.5		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	110000	5.544			
540-36-3	1,4-Difluorobenzene	203000	6.757			
3114-55-4	Chlorobenzene-d5	177000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	83500	12.018			

Raw Data: **VX044979.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:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0218WBS01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBS01	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
VX044979.D	1		02/18/25 11:54	VX021825

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\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	109899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87606	54.46	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.92%			
35) Dibromofluoromethane	5.379	113	70807	53.72	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.44%			
50) Toluene-d8	8.647	98	258244	51.81	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.62%			
62) 4-Bromofluorobenzene	11.079	95	91160	54.25	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	29516	19.15	ug/l	95
3) Chloromethane	1.295	50	35417	18.88	ug/l	99
4) Vinyl Chloride	1.374	62	34176	18.80	ug/l	99
5) Bromomethane	1.599	94	16532	30.40	ug/l	96
6) Chloroethane	1.679	64	20657	27.20	ug/l	97
7) Trichlorofluoromethane	1.886	101	47564	20.69	ug/l	98
8) Diethyl Ether	2.130	74	17904	21.48	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	28270	20.36	ug/l	99
10) Methyl Iodide	2.447	142	36989	20.55	ug/l	97
11) Tert butyl alcohol	2.953	59	31469	105.44	ug/l	99
12) 1,1-Dichloroethene	2.319	96	27700	19.56	ug/l	98
13) Acrolein	2.233	56	30180	98.01	ug/l	97
14) Allyl chloride	2.660	41	52178	20.38	ug/l	97
15) Acrylonitrile	3.056	53	84609	106.18	ug/l	100
16) Acetone	2.374	43	69130	106.89	ug/l	94
17) Carbon Disulfide	2.508	76	72970	18.79	ug/l	99
18) Methyl Acetate	2.697	43	44529	21.82	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	91397	20.28	ug/l	99
20) Methylene Chloride	2.782	84	31735	20.03	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	28289	20.29	ug/l	95
22) Diisopropyl ether	3.751	45	100615	20.77	ug/l #	81
23) Vinyl Acetate	3.715	43	403959	102.31	ug/l	100
24) 1,1-Dichloroethane	3.605	63	54774	20.21	ug/l	98
25) 2-Butanone	4.550	43	113278	107.87	ug/l	94
26) 2,2-Dichloropropane	4.465	77	42654	19.85	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	33680	20.11	ug/l	98
28) Bromochloromethane	4.891	49	28007	21.51	ug/l	99
29) Tetrahydrofuran	4.995	42	73949	106.05	ug/l	99
30) Chloroform	5.087	83	54225	20.63	ug/l	97
31) Cyclohexane	5.465	56	48717	19.50	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	45552	20.43	ug/l	97
36) 1,1-Dichloropropene	5.690	75	38002	19.98	ug/l	98
37) Ethyl Acetate	4.709	43	41751	19.74	ug/l	99
38) Carbon Tetrachloride	5.672	117	38320	20.56	ug/l	99
39) Methylcyclohexane	7.373	83	49064	19.96	ug/l	96
40) Benzene	6.031	78	117972	19.87	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	24724	21.84	ug/l		98
42) 1,2-Dichloroethane	6.080	62	40402	21.35	ug/l		99
43) Isopropyl Acetate	6.336	43	69420	20.32	ug/l		98
44) Trichloroethene	7.123	130	27404	20.19	ug/l		100
45) 1,2-Dichloropropane	7.428	63	30000	20.31	ug/l		96
46) Dibromomethane	7.574	93	21173	20.66	ug/l		97
47) Bromodichloromethane	7.818	83	42613	21.48	ug/l		97
48) Methyl methacrylate	7.690	41	33167	20.59	ug/l		97
49) 1,4-Dioxane	7.653	88	15602	451.49	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	228582	110.07	ug/l		98
52) Toluene	8.714	92	72346	20.46	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	39377	19.61	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	45813	20.47	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	27955	20.56	ug/l		99
56) Ethyl methacrylate	9.110	69	43499	19.81	ug/l		96
57) 1,3-Dichloropropane	9.305	76	49217	20.69	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	105247	97.62	ug/l		100
59) 2-Hexanone	9.427	43	166721	111.42	ug/l		96
60) Dibromochloromethane	9.519	129	30948	21.28	ug/l		98
61) 1,2-Dibromoethane	9.604	107	28254	20.50	ug/l		100
64) Tetrachloroethene	9.269	164	23498	21.02	ug/l		99
65) Chlorobenzene	10.073	112	78593	20.64	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	24960	20.36	ug/l		99
67) Ethyl Benzene	10.189	91	135368	20.14	ug/l		99
68) m/p-Xylenes	10.299	106	101372	40.89	ug/l		98
69) o-Xylene	10.640	106	50439	20.28	ug/l		99
70) Styrene	10.653	104	84167	21.00	ug/l		100
71) Bromoform	10.799	173	19556	21.38	ug/l	#	98
73) Isopropylbenzene	10.957	105	130439	19.40	ug/l		100
74) N-amyl acetate	10.842	43	59624	19.59	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.207	83	44288	19.16	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	42527m	22.97	ug/l		
77) Bromobenzene	11.195	156	30253	19.84	ug/l		97
78) n-propylbenzene	11.299	91	152349	19.63	ug/l		100
79) 2-Chlorotoluene	11.360	91	91778	19.24	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	108175	19.82	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	12106	16.82	ug/l		88
82) 4-Chlorotoluene	11.451	91	105620	20.01	ug/l		100
83) tert-Butylbenzene	11.713	119	108865	19.72	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	109438	20.32	ug/l		98
85) sec-Butylbenzene	11.884	105	135332	19.80	ug/l		100
86) p-Isopropyltoluene	12.006	119	110856	20.16	ug/l		99
87) 1,3-Dichlorobenzene	11.963	146	56611	20.19	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	56743	20.02	ug/l		99
89) n-Butylbenzene	12.329	91	100938	20.75	ug/l		99
90) Hexachloroethane	12.536	117	19319	18.77	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	57211	20.76	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8149	19.32	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	33743	20.24	ug/l		100
94) Hexachlorobutadiene	13.719	225	13328	20.13	ug/l		98
95) Naphthalene	13.774	128	118089	19.59	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	33820	20.13	ug/l		98

Sample Results: **VX044979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

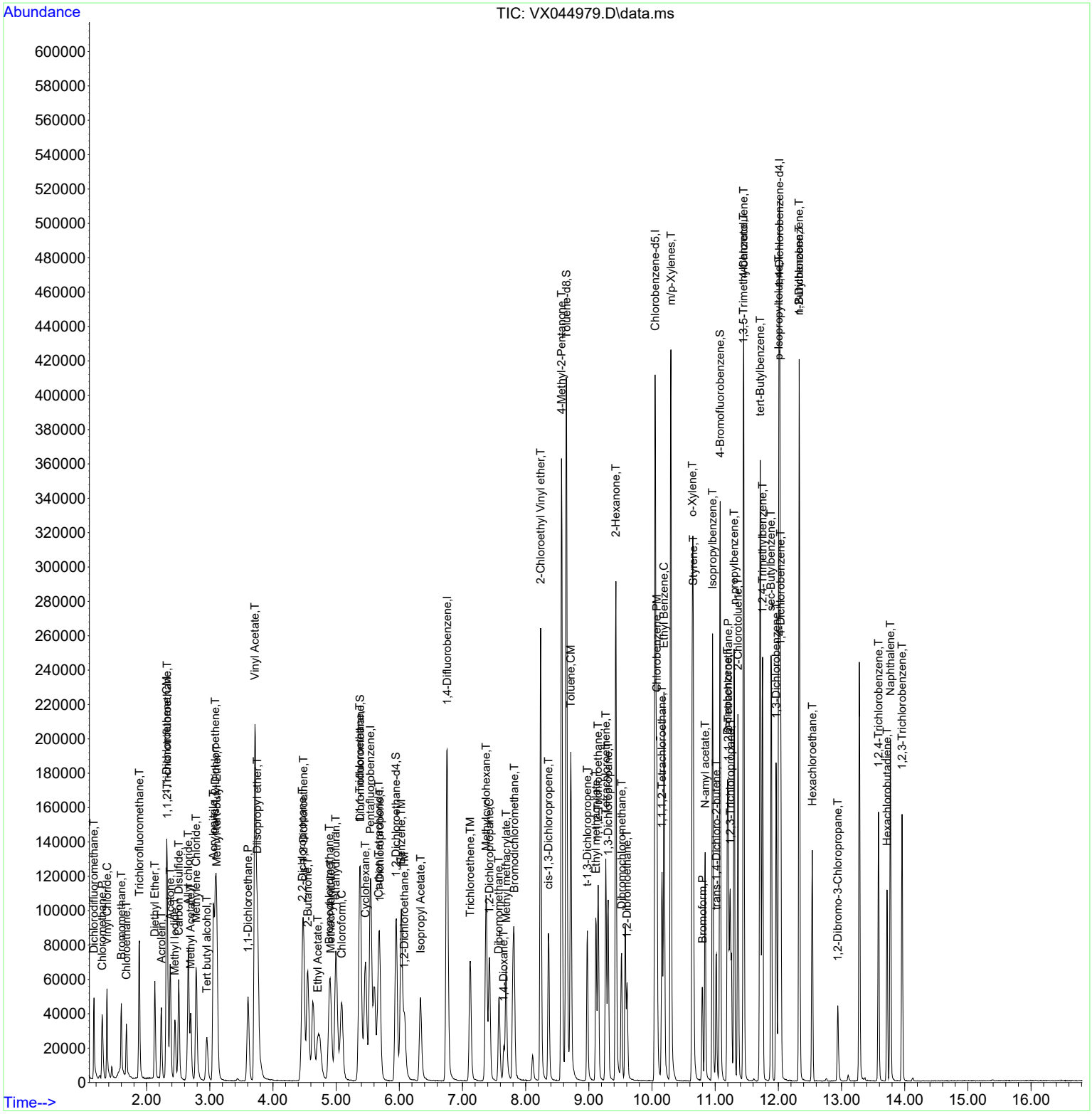
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044979.D
Acq On : 18 Feb 2025 11:54
Operator : JC/MD
Sample : VX0218WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 18 12:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



Raw Data: **VX044980.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:	VX0218WBSD01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBSD01	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
VX044980.D	1		02/18/25 12:20	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		0.21	1.00	ug/L
74-87-3	Chloromethane	18.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.6		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	21.2		0.38	1.00	ug/L
74-83-9	Bromomethane	23.1		1.40	5.00	ug/L
75-00-3	Chloroethane	24.7		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.26	1.00	ug/L
107-02-8	Acrolein	97.2		6.70	25.0	ug/L
107-13-1	Acrylonitrile	100		0.90	5.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	100		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.4		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	19.3		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.0		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.2		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	19.6		0.18	1.00	ug/L

Raw Data: **VX044980.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:	VX0218WBSD01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBSD01	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
VX044980.D	1		02/18/25 12:20	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.4		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.19	1.00	ug/L
74-95-3	Dibromomethane	21.1		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	22.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	21.1		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	21.8		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	100		1.80	5.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	22.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		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	20.7		0.21	1.00	ug/L
67-72-1	Hexachloroethane	18.8		0	0	ug/L
100-41-4	Ethyl Benzene	20.3		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.1		0.14	1.00	ug/L
100-42-5	Styrene	21.3		0.16	1.00	ug/L
75-25-2	Bromoform	22.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	20.3		0.39	1.00	ug/L
108-86-1	Bromobenzene	19.8		0.26	1.00	ug/L
103-65-1	n-propylbenzene	19.4		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	19.2		0.16	1.00	ug/L

Raw Data: **VX044980.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:	VX0218WBSD01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBSD01	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
VX044980.D	1		02/18/25 12:20	VX021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	19.9		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	19.8		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	20.2		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.3		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	20.1		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.5		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	19.9		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	20.6		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.8		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	20.7		0.31	1.00	ug/L
91-20-3	Naphthalene	20.0		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	52.2		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	103000	5.544			
540-36-3	1,4-Difluorobenzene	183000	6.751			
3114-55-4	Chlorobenzene-d5	164000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	77600	12.018			

Raw Data: **VX044980.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:	VX0218WBSD01	SDG No.:	Q1370
Lab Sample ID:	VX0218WBSD01	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
VX044980.D	1		02/18/25 12:20	VX021825

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\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	102760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	182711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	163817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80621	53.60	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.20%			
35) Dibromofluoromethane	5.379	113	63678	53.60	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.20%			
50) Toluene-d8	8.641	98	234589	52.22	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.44%			
62) 4-Bromofluorobenzene	11.079	95	83522	55.15	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	28249	19.60	ug/l	95
3) Chloromethane	1.295	50	33009	18.82	ug/l	97
4) Vinyl Chloride	1.374	62	31544	18.56	ug/l	98
5) Bromomethane	1.593	94	11727	23.06	ug/l	97
6) Chloroethane	1.673	64	17628	24.70	ug/l	99
7) Trichlorofluoromethane	1.880	101	42901	19.96	ug/l	97
8) Diethyl Ether	2.130	74	16831	21.60	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	25942	19.98	ug/l	98
10) Methyl Iodide	2.447	142	33846	20.11	ug/l	97
11) Tert butyl alcohol	2.965	59	29379	105.28	ug/l	99
12) 1,1-Dichloroethene	2.313	96	24880	18.78	ug/l	98
13) Acrolein	2.233	56	27990	97.22	ug/l	99
14) Allyl chloride	2.660	41	47470	19.83	ug/l	98
15) Acrylonitrile	3.056	53	77709	104.30	ug/l	98
16) Acetone	2.374	43	63293	104.67	ug/l	95
17) Carbon Disulfide	2.508	76	64044	17.63	ug/l	100
18) Methyl Acetate	2.697	43	42718	22.39	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	85357	20.25	ug/l	99
20) Methylene Chloride	2.782	84	29107	19.65	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24842	19.06	ug/l	97
22) Diisopropyl ether	3.751	45	92690	20.47	ug/l #	87
23) Vinyl Acetate	3.715	43	380479	103.06	ug/l	100
24) 1,1-Dichloroethane	3.599	63	49952	19.71	ug/l	99
25) 2-Butanone	4.550	43	104839	106.77	ug/l	94
26) 2,2-Dichloropropane	4.465	77	38755	19.29	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	31776	20.29	ug/l	97
28) Bromochloromethane	4.885	49	25580	21.01	ug/l	98
29) Tetrahydrofuran	4.995	42	68331	104.80	ug/l	99
30) Chloroform	5.080	83	50571	20.58	ug/l	97
31) Cyclohexane	5.465	56	45252	19.37	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	41389	19.86	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33650	19.63	ug/l	100
37) Ethyl Acetate	4.702	43	40428	21.21	ug/l	98
38) Carbon Tetrachloride	5.666	117	35048	20.87	ug/l	95
39) Methylcyclohexane	7.373	83	44803	20.22	ug/l	96
40) Benzene	6.032	78	109312	20.43	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	23214	22.75	ug/l		98
42) 1,2-Dichloroethane	6.074	62	38097	22.34	ug/l		99
43) Isopropyl Acetate	6.336	43	66575	21.63	ug/l		99
44) Trichloroethene	7.117	130	25305	20.69	ug/l		98
45) 1,2-Dichloropropane	7.422	63	28027	21.05	ug/l		97
46) Dibromomethane	7.574	93	19523	21.14	ug/l		97
47) Bromodichloromethane	7.818	83	39420	22.05	ug/l		97
48) Methyl methacrylate	7.690	41	31980	22.03	ug/l		97
49) 1,4-Dioxane	7.659	88	14349	460.77	ug/l		97
51) 4-Methyl-2-Pentanone	8.568	43	218798	116.91	ug/l		97
52) Toluene	8.714	92	67152	21.07	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	37528	20.74	ug/l		96
54) cis-1,3-Dichloropropene	8.360	75	42469	21.05	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	26791	21.87	ug/l		96
56) Ethyl methacrylate	9.110	69	42037	21.24	ug/l		99
57) 1,3-Dichloropropane	9.305	76	46838	21.85	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	98907	101.80	ug/l		100
59) 2-Hexanone	9.427	43	159295	118.13	ug/l		96
60) Dibromochloromethane	9.519	129	28885	22.04	ug/l		99
61) 1,2-Dibromoethane	9.604	107	27011	21.75	ug/l		97
64) Tetrachloroethene	9.269	164	21207	20.53	ug/l		97
65) Chlorobenzene	10.073	112	71865	20.42	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	23477	20.73	ug/l		99
67) Ethyl Benzene	10.189	91	126039	20.30	ug/l		100
68) m/p-Xylenes	10.299	106	95875	41.86	ug/l		99
69) o-Xylene	10.640	106	46253	20.13	ug/l		98
70) Styrene	10.653	104	78838	21.29	ug/l		100
71) Bromoform	10.799	173	18572	21.97	ug/l	#	100
73) Isopropylbenzene	10.957	105	121744	19.49	ug/l		98
74) N-amyl acetate	10.842	43	56816	20.10	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	43128	20.09	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	33656m	19.56	ug/l		
77) Bromobenzene	11.195	156	28098	19.84	ug/l		97
78) n-propylbenzene	11.299	91	139912	19.40	ug/l		100
79) 2-Chlorotoluene	11.360	91	85074	19.19	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	101076	19.94	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11690	17.48	ug/l		93
82) 4-Chlorotoluene	11.451	91	97222	19.83	ug/l		99
83) tert-Butylbenzene	11.713	119	103413	20.16	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	101505	20.28	ug/l		100
85) sec-Butylbenzene	11.884	105	127946	20.14	ug/l		100
86) p-Isopropyltoluene	12.006	119	104717	20.50	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	52470	20.14	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	52440	19.91	ug/l		99
89) n-Butylbenzene	12.329	91	93083	20.60	ug/l		99
90) Hexachloroethane	12.536	117	17961	18.78	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	52728	20.60	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8186	20.89	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	30741	19.84	ug/l		99
94) Hexachlorobutadiene	13.719	225	12717	20.68	ug/l		97
95) Naphthalene	13.774	128	112198	20.04	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	31514	20.19	ug/l		98

Sample Results: **VX044980.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025

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

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

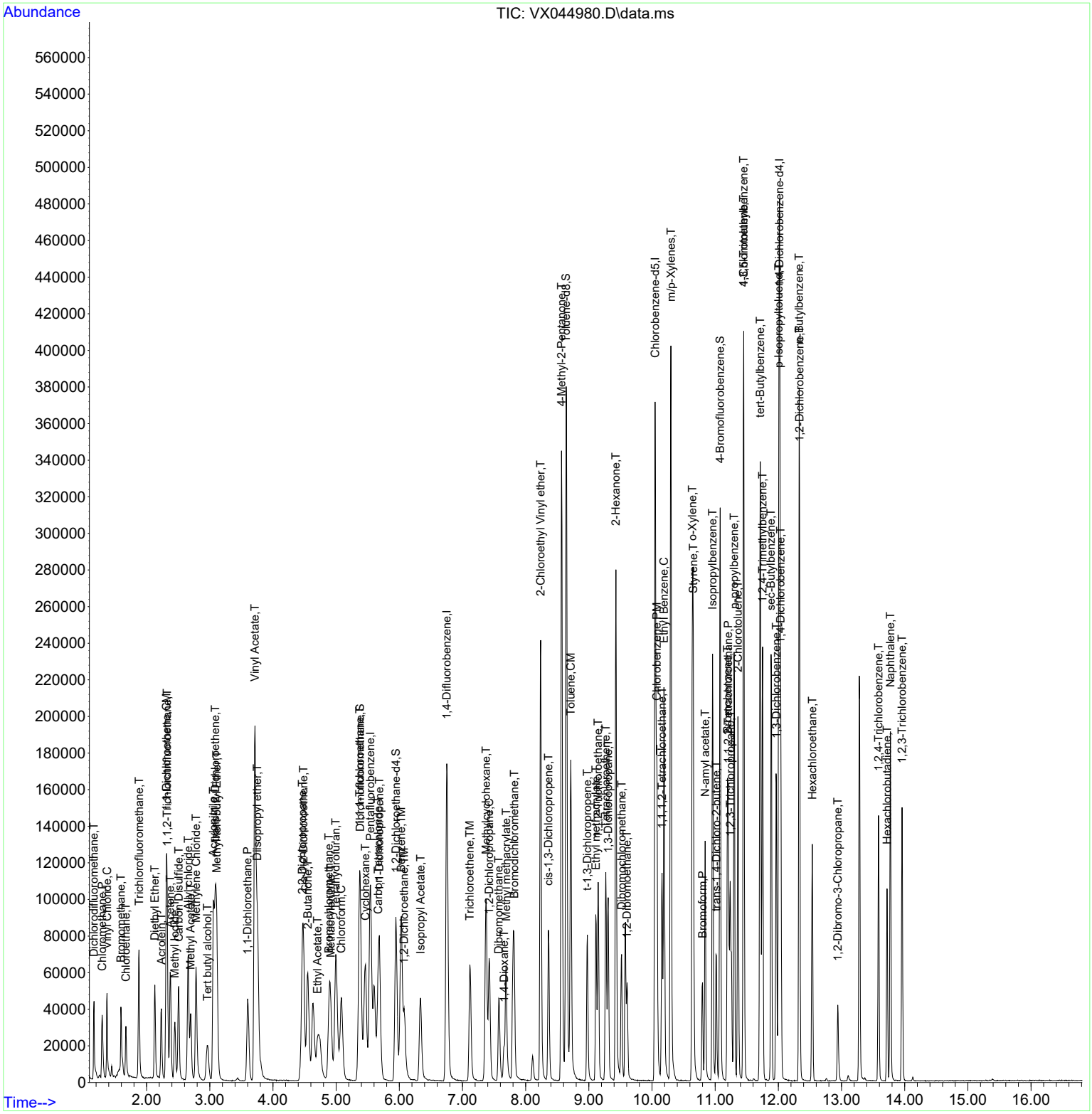
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
Data File : VX044980.D
Acq On : 18 Feb 2025 12:20
Operator : JC/MD
Sample : VX0218WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 18 12:46:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0218WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/19/2025
Supervised By :Mahesh Dadoda 02/19/2025



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Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044868.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	1,4-Dichlorobenzene	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDICC020	VX044870.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:03 AM	MMDadoda	2/11/2025 10:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX044871.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:07 AM	MMDadoda	2/11/2025 10:09:36 AM	Peak Integrated by Software
VSTDICC100	VX044872.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:11 AM	MMDadoda	2/11/2025 10:09:40 AM	Peak Integrated by Software
VSTDICC150	VX044873.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:16 AM	MMDadoda	2/11/2025 10:09:49 AM	Peak Integrated by Software
VSTDICV050	VX044875.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:20 AM	MMDadoda	2/11/2025 10:09:53 AM	Peak Integrated by Software
VSTDCCC050	VX044891.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:46 AM	MMDadoda	2/11/2025 10:10:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x

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

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Manual Integration Report

Sequence:	VX021825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044976.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:59 AM	MMDadoda	2/19/2025 12:45:24 PM	Peak Integrated by Software
VSTDCCC050	VX044976.D	Chloroethane	JOHN	2/19/2025 9:44:59 AM	MMDadoda	2/19/2025 12:45:24 PM	Peak Integrated by Software
VX0218WBS01	VX044979.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:45:04 AM	MMDadoda	2/19/2025 12:45:28 PM	Peak Integrated by Software
VX0218WBSD01	VX044980.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:45:08 AM	MMDadoda	2/19/2025 12:46:09 PM	Peak Integrated by Software
VSTDCCC050	VX044994.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:45:38 AM	MMDadoda	2/19/2025 12:45:46 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDICC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDICC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDICC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDICCC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDICC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDICC150	VX044873.D	10 Feb 2025 12:28	JC/MD	Ok,M
8	IBLK	VX044874.D	10 Feb 2025 12:51	JC/MD	Ok
9	VSTDICV050	VX044875.D	10 Feb 2025 13:15	JC/MD	Ok,M
10	VX0210MBL01	VX044876.D	10 Feb 2025 13:43	JC/MD	Ok
11	VX0210WBL01	VX044877.D	10 Feb 2025 14:06	JC/MD	Ok
12	VX0210WBS01	VX044878.D	10 Feb 2025 14:29	JC/MD	Ok,M
13	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55	JC/MD	Ok,M
14	Q1250-02	VX044880.D	10 Feb 2025 15:18	JC/MD	Ok
15	Q1250-01	VX044881.D	10 Feb 2025 15:41	JC/MD	Ok
16	Q1250-03	VX044882.D	10 Feb 2025 16:04	JC/MD	Ok
17	Q1250-04	VX044883.D	10 Feb 2025 16:27	JC/MD	Ok
18	Q1250-05	VX044884.D	10 Feb 2025 16:51	JC/MD	Ok
19	Q1250-10	VX044885.D	10 Feb 2025 17:14	JC/MD	Ok
20	Q1250-11	VX044886.D	10 Feb 2025 17:37	JC/MD	Ok
21	Q1250-12	VX044887.D	10 Feb 2025 18:00	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1250-06	VX044888.D	10 Feb 2025 18:23	JC/MD	Ok
23	Q1250-07MS	VX044889.D	10 Feb 2025 18:46	JC/MD	Ok,M
24	Q1250-08MSD	VX044890.D	10 Feb 2025 19:09	JC/MD	Ok,M
25	VSTDCCC050	VX044891.D	10 Feb 2025 19:32	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021825

Review By	John Carlone	Review On	2/19/2025 9:48:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:48 PM		
SubDirectory	VX021825	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133065
Initial Calibration Stds	
CCC	VP133066,VP133067
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044975.D	18 Feb 2025 09:46	JC/MD	Ok
2	VSTDCCC050	VX044976.D	18 Feb 2025 10:45	JC/MD	Ok,M
3	VX0218MBL01	VX044977.D	18 Feb 2025 11:08	JC/MD	Ok
4	VX0218WBL01	VX044978.D	18 Feb 2025 11:31	JC/MD	Ok
5	VX0218WBS01	VX044979.D	18 Feb 2025 11:54	JC/MD	Ok,M
6	VX0218WBSD01	VX044980.D	18 Feb 2025 12:20	JC/MD	Ok,M
7	IBLK	VX044981.D	18 Feb 2025 12:42	JC/MD	Ok
8	Q1363-02	VX044982.D	18 Feb 2025 13:05	JC/MD	Ok
9	Q1370-01	VX044983.D	18 Feb 2025 13:28	JC/MD	Ok
10	Q1370-02	VX044984.D	18 Feb 2025 13:51	JC/MD	Ok
11	Q1370-03	VX044985.D	18 Feb 2025 14:14	JC/MD	Ok
12	Q1370-04	VX044986.D	18 Feb 2025 14:37	JC/MD	Ok
13	PB166736TB	VX044987.D	18 Feb 2025 15:00	JC/MD	Ok,M
14	PB166736ZHE#01	VX044988.D	18 Feb 2025 15:23	JC/MD	Ok
15	PB166736ZHE#02	VX044989.D	18 Feb 2025 15:46	JC/MD	Ok,M
16	Q1373-01	VX044990.D	18 Feb 2025 16:08	JC/MD	ReRun
17	Q1373-02	VX044991.D	18 Feb 2025 16:31	JC/MD	Ok
18	Q1376-01	VX044992.D	18 Feb 2025 16:54	JC/MD	Dilution
19	Q1376-02	VX044993.D	18 Feb 2025 17:17	JC/MD	Ok
20	VSTDCCC050	VX044994.D	18 Feb 2025 17:40	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044873.D	10 Feb 2025 12:28		JC/MD	Ok,M
8	IBLK	IBLK	VX044874.D	10 Feb 2025 12:51		JC/MD	Ok
9	VSTDICV050	ICVVX021025	VX044875.D	10 Feb 2025 13:15		JC/MD	Ok,M
10	VX0210MBL01	VX0210MBL01	VX044876.D	10 Feb 2025 13:43		JC/MD	Ok
11	VX0210WBL01	VX0210WBL01	VX044877.D	10 Feb 2025 14:06		JC/MD	Ok
12	VX0210WBS01	VX0210WBS01	VX044878.D	10 Feb 2025 14:29		JC/MD	Ok,M
13	VX0210WBSD01	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55		JC/MD	Ok,M
14	Q1250-02	BP-VPB-192-GW-420-4	VX044880.D	10 Feb 2025 15:18	vial B pH<2	JC/MD	Ok
15	Q1250-01	BP-VPB-192-TB-20250	VX044881.D	10 Feb 2025 15:41	vial B pH<2 TB	JC/MD	Ok
16	Q1250-03	BP-VPB-192-GW-300-3	VX044882.D	10 Feb 2025 16:04	vial B pH<2	JC/MD	Ok
17	Q1250-04	BP-VPB-192-GW-320-3	VX044883.D	10 Feb 2025 16:27	vial B pH<2	JC/MD	Ok
18	Q1250-05	BP-VPB-192-GW-340-3	VX044884.D	10 Feb 2025 16:51	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/11/2025 2:05:25 PM		
SubDirectory	VX021025	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132955
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC	VP132956
Internal Standard/PEM	
ICV/I.BLK	VP132966
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1250-10	BP-VPB-192-GW-380-3	VX044885.D	10 Feb 2025 17:14	vial B pH<2	JC/MD	Ok
20	Q1250-11	BP-VPB-192-GW-400-4	VX044886.D	10 Feb 2025 17:37	vial B pH<2	JC/MD	Ok
21	Q1250-12	BP-VPB-192-GW-440-4	VX044887.D	10 Feb 2025 18:00	vial B pH<2	JC/MD	Ok
22	Q1250-06	BP-VPB-192-GW-360-3	VX044888.D	10 Feb 2025 18:23	vial B pH<2	JC/MD	Ok
23	Q1250-07MS	BP-VPB-192-GW-360-3	VX044889.D	10 Feb 2025 18:46	vial B pH<2	JC/MD	Ok,M
24	Q1250-08MSD	BP-VPB-192-GW-360-3	VX044890.D	10 Feb 2025 19:09	vial B pH<2	JC/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VX044891.D	10 Feb 2025 19:32		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021825

Review By	John Carlone	Review On	2/19/2025 9:48:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:48 PM		
SubDirectory	VX021825	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133065
Initial Calibration Stds	
CCC	VP133066,VP133067
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	VX044975.D	18 Feb 2025 09:46		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044976.D	18 Feb 2025 10:45	V13516	JC/MD	Ok,M
3	VX0218MBL01	VX0218MBL01	VX044977.D	18 Feb 2025 11:08		JC/MD	Ok
4	VX0218WBL01	VX0218WBL01	VX044978.D	18 Feb 2025 11:31		JC/MD	Ok
5	VX0218WBS01	VX0218WBS01	VX044979.D	18 Feb 2025 11:54		JC/MD	Ok,M
6	VX0218WBSD01	VX0218WBSD01	VX044980.D	18 Feb 2025 12:20		JC/MD	Ok,M
7	IBLK	IBLK	VX044981.D	18 Feb 2025 12:42		JC/MD	Ok
8	Q1363-02	EB-01-021125	VX044982.D	18 Feb 2025 13:05	vial B pH<2 EB	JC/MD	Ok
9	Q1370-01	Storage-Blank-SOIL-RE	VX044983.D	18 Feb 2025 13:28	vial A pH<2	JC/MD	Ok
10	Q1370-02	Storage-Blank-WATER-	VX044984.D	18 Feb 2025 13:51	vial A pH<2	JC/MD	Ok
11	Q1370-03	Storage-Blank-WATER-	VX044985.D	18 Feb 2025 14:14	vial A pH<2	JC/MD	Ok
12	Q1370-04	Storage-Blank-SAMPLE	VX044986.D	18 Feb 2025 14:37	vial A pH<2	JC/MD	Ok
13	PB166736TB	PB166736TB	VX044987.D	18 Feb 2025 15:00		JC/MD	Ok,M
14	PB166736ZHE#01	PB166736ZHE#01	VX044988.D	18 Feb 2025 15:23		JC/MD	Ok
15	PB166736ZHE#02	PB166736ZHE#02	VX044989.D	18 Feb 2025 15:46		JC/MD	Ok,M
16	Q1373-01	VB27161	VX044990.D	18 Feb 2025 16:08	vial A pH#5.0 Surrogate Fail	JC/MD	ReRun
17	Q1373-02	VDR25992	VX044991.D	18 Feb 2025 16:31	vial A pH#5.0	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX021825

Review By	John Carlone	Review On	2/19/2025 9:48:22 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:48 PM		
SubDirectory	VX021825	HP Acquire Method		HP Processing Method	82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133065
Initial Calibration Stds	
CCC	VP133066,VP133067
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1376-01	MW32	VX044992.D	18 Feb 2025 16:54	vial A pH<2 BSD failed high for comp. #51; Need 10X	JC/MD	Dilution
19	Q1376-02	MW33	VX044993.D	18 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VX044994.D	18 Feb 2025 17:40		JC/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 2/17/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/14/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 02/15/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134723

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
Q1370-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1370-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1370-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1370-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1370-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1370-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1370-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1370-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1370-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1370-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1372-01	AU-05-021425	11	1.16	8.56	9.72	8.64	87.4	
Q1372-02	AU-05-021425	12	1.15	8.67	9.82	8.78	88.0	
Q1373-01	VB27161	13	1.19	8.48	9.67	5.93	55.9	
Q1373-02	VDR25992	14	1.14	8.76	9.9	6.24	58.2	
Q1374-01	TR-05-02142025	15	1.12	8.71	9.83	9.1	91.6	
Q1374-02	TR-05-02142025-E2	16	1.16	8.82	9.98	9.5	94.6	

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

WORKLIST(Hardcopy Internal Chain)

VB134723

WorkList Name : %1-021425 **WorkList ID :** 187705 **Department :** Wet-Chemistry **Date :** 02-14-2025 07:56:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1370-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1370-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/14/2025	Chemtech -SO
Q1372-01	AU-05-021425	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	02/14/2025	Chemtech -SO
Q1372-02	AU-05-021425	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	02/14/2025	Chemtech -SO
Q1373-01	VB27161	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/14/2025	Chemtech -SO
Q1373-02	VDR25992	Solid	Percent Solids	Cool 4 deg C	PSEG03	H21	02/14/2025	Chemtech -SO
Q1374-01	TR-05-02142025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	02/14/2025	Chemtech -SO
Q1374-02	TR-05-02142025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H21	02/14/2025	Chemtech -SO

Date/Time 02/14/25 15:45
Raw Sample Received by: LB CWC
Raw Sample Relinquished by: CF SO

Date/Time 02/14/25 17:10
Raw Sample Received by: CF SO
Raw Sample Relinquished by: LB CWC

SHIPPING DOCUMENTS

#1

CHEMTECH

CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: Q1370

COC Number:

CLIENT INFORMATION

Report to be sent to:

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

PROJECT INFORMATION

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

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1. VOC-Part in Kit
2. SVOC-Full+25 8270
3. Pesticide-TCL
4. PCB
5.
6.
7.
8.
9.

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE: COMP	SAMPLE TYPE: GRAB	SAMPLE COLLECTION: DATE	SAMPLE COLLECTION: TIME	# of Bottles	PRESERVATIVES: A/E	1	2	3	4	5	6	7	8	9
1.	Storage-Blank-SOIL-REF-6	AQ		X			2	X									
2.	Storage-Blank-WATER-REF-5	AQ		X			2	X									
3.	Storage-Blank-WATER-REF-4	AQ		X			2	X									
4.	Storage-Blank-SAMPLE-MANAGEMENT	AQ		X			2	X									
5.	SVOC-GPC-BLANK	SO		X			1		X								
6.	PEST-GPC-BLANK	SO		X			1			X							
7.	PEST-GPC-BLANK-SPIKE	SO		X			1			X							
8.	PCB-GPC-BLANK	SO		X			1				X						
9.	PCB-GPC-BLANK-SPIKE	SO		X			1				X						
10.	SVOC-GPC2-BLANK	SO		X			1		X								

PRESERVATIVES: A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER

COMMENTS: <--Specify Preservatives

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.		1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☑ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6.0

Comments:

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

Shipment Complete ☑ YES ☐ NO

10/2018

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

2/14

#2

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: Q1370
COC Number:

CLIENT INFORMATION

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

PROJECT INFORMATION

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

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH): ______
HARDCOPY (DATA PACKAGE): 15 DAYS*
EDD: ______ DAYS*
TO BE APPROVED BY CHEMTECH ______ DAYS
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

ANALYSIS: 1 VOC-D-Holding Blk; 2 SVOC; 3 PESTS-GC; 4 PCB; 5; 6; 7; 8; 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9	COMMENTS
							PRESERVATIVES	A/E									← Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	PEST-GRC2-BLANK	SO		X			1			X							
2.	PEST-GRC2-BLANK-SPIKE	SO		X			1			X							
3.	PCB-GRC2-BLANK	SO		X			1				X						
4.	PCB-GRC2-BLANK-SPIKE	SO		X			1				X						
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.		1.
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☑ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6.0°
Comments:

Page 2 of 2

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

Shipment Complete: ☑ YES ☐ NO

10/2018

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

2/14

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