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:	P4676	**OrderDate:**	11/1/2024 11:25:00 AM
Client:	Chemtech Consulting Group	**Project:**	Weekly Storage Blanks
Contact:	QA Officer	**Location:**	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4676-01	**Storage-Blank-SOIL-REF-6**	**Water**			**11/01/24**			**11/01/24**
			VOC- Chemtech Full	8260-Low			11/01/24	
P4676-02	**Storage-Blank-WATER-REF-5**	**Water**			**11/01/24**			**11/01/24**
			VOC- Chemtech Full	8260-Low			11/01/24	
P4676-03	**Storage-Blank-WATER-REF-4**	**Water**			**11/01/24**			**11/01/24**
			VOC- Chemtech Full	8260-Low			11/01/24	
P4676-04	**Storage-Blank-SAMPLE-MANAGEMENT**	**Water**			**11/01/24**			**11/01/24**
			VOC- Chemtech Full	8260-Low			11/01/24	

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Hit Summary Sheet
SW-846

SDG No.: P4676

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.: P4676

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4676-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	39.8	80	74	125
		Dibromofluoromethane	50	46.5	93	75	124
		Toluene-d8	50	50.2	100	86	113
		4-Bromofluorobenzene	50	46.1	92	77	121
P4676-02	Storage-Blank-WATER-REF-5	1,2-Dichloroethane-d4	50	41.4	83	74	125
		Dibromofluoromethane	50	46.3	93	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	43.8	88	77	121
P4676-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	41.9	84	74	125
		Dibromofluoromethane	50	46.4	93	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	45.9	92	77	121
P4676-04	Storage-Blank-SAMPLE-MANAGEME	1,2-Dichloroethane-d4	50	42.8	86	74	125
		Dibromofluoromethane	50	46.1	92	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	48.0	96	77	121
VX1101WBL01	VX1101WBL01	1,2-Dichloroethane-d4	50	41.0	82	74	125
		Dibromofluoromethane	50	45.0	90	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	45.1	90	77	121
VX1101WBS01	VX1101WBS01	1,2-Dichloroethane-d4	50	39.5	79	74	125
		Dibromofluoromethane	50	46.9	94	75	124
		Toluene-d8	50	49.5	99	86	113
		4-Bromofluorobenzene	50	49.1	98	77	121
VX1101WBSD0	VX1101WBSD01	1,2-Dichloroethane-d4	50	40.9	82	74	125
		Dibromofluoromethane	50	47.8	96	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	49.6	99	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4676

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX043657.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1101WBS01	Dichlorodifluoromethane	20	17.2	ug/L	86			69	116	
	Chloromethane	20	16.2	ug/L	81			65	116	
	Vinyl chloride	20	17.7	ug/L	89			65	117	
	Ethyl Acetate	20	19.9	ug/L	100			75	115	
	Bromomethane	20	17.8	ug/L	89			58	125	
	Chloroethane	20	24.3	ug/L	121			56	128	
	Trichlorofluoromethane	20	20.3	ug/L	102			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/L	107			80	112	
	Tert butyl alcohol	100	7.60	ug/L	8		*	73	124	
	1,1-Dichloroethene	20	19.3	ug/L	97			74	110	
	Acrolein	100	74.0	ug/L	74			51	143	
	Acrylonitrile	100	92.4	ug/L	92			73	113	
	Acetone	100	85.3	ug/L	85			60	125	
	Carbon disulfide	20	16.9	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	18.4	ug/L	92			78	114	
	Methyl Acetate	20	17.8	ug/L	89			67	125	
	Methylene Chloride	20	17.9	ug/L	90			72	114	
	trans-1,2-Dichloroethene	20	19.4	ug/L	97			75	108	
	Vinyl Acetate	100	91.4	ug/L	91			76	115	
	1,1-Dichloroethane	20	18.7	ug/L	94			78	112	
	Cyclohexane	20	19.6	ug/L	98			75	110	
	2-Butanone	100	90.8	ug/L	91			65	122	
	Carbon Tetrachloride	20	20.6	ug/L	103			77	113	
	2,2-Dichloropropane	20	19.2	ug/L	96			75	116	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			77	110	
	Bromochloromethane	20	17.4	ug/L	87			70	124	
	Chloroform	20	18.7	ug/L	94			79	113	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			80	108	
	Methylcyclohexane	20	22.0	ug/L	110			72	115	
	1,1-Dichloropropene	20	20.4	ug/L	102			79	110	
	Benzene	20	20.1	ug/L	101			82	109	
	1,2-Dichloroethane	20	18.6	ug/L	93			80	115	
	Trichloroethene	20	21.4	ug/L	107			77	113	
	1,2-Dichloropropane	20	19.6	ug/L	98			83	111	
	Dibromomethane	20	19.6	ug/L	98			82	110	
	Bromodichloromethane	20	19.8	ug/L	99			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	21.1	ug/L	106			82	110	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	20.4	ug/L	102			82	110	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			83	112	
	1,3-Dichloropropane	20	20.6	ug/L	103			83	111	
	2-Chloroethyl vinyl ether	100	96.5	ug/L	97			75	124	
	2-Hexanone	100	99.9	ug/L	100			73	117	
	Dibromochloromethane	20	20.5	ug/L	103			82	110	
	1,2-Dibromoethane	20	20.1	ug/L	101			81	110	
	Tetrachloroethene	20	22.4	ug/L	112			67	123	
	Chlorobenzene	20	21.1	ug/L	106			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4676

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX043657.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1101WBS01	1,1,1,2-Tetrachloroethane	20	20.8	ug/L	104			84	111	
	Hexachloroethane	20	21.4	ug/L	107			80	113	
	Ethyl Benzene	20	21.5	ug/L	108			83	109	
	m/p-Xylenes	40	43.6	ug/L	109			82	110	
	o-Xylene	20	21.9	ug/L	110		*	83	109	
	Styrene	20	22.0	ug/L	110			80	111	
	Bromoform	20	19.7	ug/L	99			79	109	
	Isopropylbenzene	20	22.3	ug/L	112			83	112	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101			76	118	
	1,2,3-Trichloropropane	20	19.7	ug/L	99			75	112	
	Bromobenzene	20	21.6	ug/L	108			77	116	
	N-propylbenzene	20	22.6	ug/L	113		*	83	112	
	2-Chlorotoluene	20	21.1	ug/L	106			83	110	
	1,3,5-Trimethylbenzene	20	22.0	ug/L	110			85	112	
	4-Chlorotoluene	20	21.1	ug/L	106			82	110	
	tert-Butylbenzene	20	22.6	ug/L	113		*	83	112	
	1,2,4-Trimethylbenzene	20	22.0	ug/L	110			85	111	
	Sec-butylbenzene	20	23.3	ug/L	117		*	81	114	
	p-Isopropyltoluene	20	23.1	ug/L	116			78	116	
	1,3-Dichlorobenzene	20	21.6	ug/L	108			82	108	
	1,4-Dichlorobenzene	20	21.2	ug/L	106			82	107	
	n-Butylbenzene	20	23.4	ug/L	117		*	75	115	
	1,2-Dichlorobenzene	20	21.6	ug/L	108			82	109	
	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			68	112	
	1,2,4-Trichlorobenzene	20	21.2	ug/L	106			75	113	
	Hexachlorobutadiene	20	23.3	ug/L	117			81	121	
	Naphthalene	20	20.6	ug/L	103			78	119	
	1,2,3-Trichlorobenzene	20	20.8	ug/L	104			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4676

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX043658.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1101WBSD01	Dichlorodifluoromethane	20	17.6	ug/L	88	2		69	116	20
	Chloromethane	20	16.5	ug/L	83	2		65	116	20
	Vinyl chloride	20	18.2	ug/L	91	2		65	117	20
	Ethyl Acetate	20	20.9	ug/L	104	4		75	115	20
	Bromomethane	20	19.3	ug/L	97	9		58	125	20
	Chloroethane	20	24.3	ug/L	121	0		56	128	20
	Trichlorofluoromethane	20	20.8	ug/L	104	2		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/L	105	2		80	112	20
	Tert butyl alcohol	100	7.90	ug/L	8	0	*	73	124	20
	1,1-Dichloroethene	20	20.4	ug/L	102	5		74	110	20
	Acrolein	100	82.0	ug/L	82	10		51	143	20
	Acrylonitrile	100	99.8	ug/L	100	8		73	113	20
	Acetone	100	91.7	ug/L	92	8		60	125	20
	Carbon disulfide	20	17.2	ug/L	86	1		64	112	20
	Methyl tert-butyl Ether	20	19.3	ug/L	97	5		78	114	20
	Methyl Acetate	20	19.2	ug/L	96	8		67	125	20
	Methylene Chloride	20	18.6	ug/L	93	3		72	114	20
	trans-1,2-Dichloroethene	20	19.6	ug/L	98	1		75	108	20
	Vinyl Acetate	100	97.9	ug/L	98	7		76	115	20
	1,1-Dichloroethane	20	19.5	ug/L	98	4		78	112	20
	Cyclohexane	20	19.5	ug/L	98	0		75	110	20
	2-Butanone	100	98.2	ug/L	98	7		65	122	20
	Carbon Tetrachloride	20	20.3	ug/L	102	1		77	113	20
	2,2-Dichloropropane	20	19.7	ug/L	99	3		75	116	20
	cis-1,2-Dichloroethene	20	20.1	ug/L	101	4		77	110	20
	Bromochloromethane	20	18.9	ug/L	95	9		70	124	20
	Chloroform	20	19.3	ug/L	97	3		79	113	20
	1,1,1-Trichloroethane	20	20.2	ug/L	101	4		80	108	20
	Methylcyclohexane	20	21.1	ug/L	106	4		72	115	20
	1,1-Dichloropropene	20	19.8	ug/L	99	3		79	110	20
	Benzene	20	20.9	ug/L	104	3		82	109	20
	1,2-Dichloroethane	20	19.5	ug/L	98	5		80	115	20
	Trichloroethene	20	21.8	ug/L	109	2		77	113	20
	1,2-Dichloropropane	20	20.7	ug/L	104	6		83	111	20
	Dibromomethane	20	20.4	ug/L	102	4		82	110	20
	Bromodichloromethane	20	20.5	ug/L	103	4		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		74	118	20
	Toluene	20	21.8	ug/L	109	3		82	110	20
	t-1,3-Dichloropropene	20	19.9	ug/L	100	3		79	110	20
	cis-1,3-Dichloropropene	20	21.1	ug/L	106	4		82	110	20
	1,1,2-Trichloroethane	20	22.0	ug/L	110	6		83	112	20
	1,3-Dichloropropane	20	21.4	ug/L	107	4		83	111	20
	2-Chloroethyl vinyl ether	100	100	ug/L	100	3		75	124	20
	2-Hexanone	100	110	ug/L	110	10		73	117	20
	Dibromochloromethane	20	21.7	ug/L	109	6		82	110	20
	1,2-Dibromoethane	20	21.7	ug/L	109	8		81	110	20
	Tetrachloroethene	20	21.8	ug/L	109	3		67	123	20
	Chlorobenzene	20	20.5	ug/L	103	3		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4676

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX043658.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1101WBSD01	1,1,1,2-Tetrachloroethane	20	21.2	ug/L	106	2		84	111	20
	Hexachloroethane	20	21.2	ug/L	106	1		80	113	20
	Ethyl Benzene	20	21.1	ug/L	106	2		83	109	20
	m/p-Xylenes	40	42.6	ug/L	106	3		82	110	20
	o-Xylene	20	21.5	ug/L	108	2		83	109	20
	Styrene	20	21.6	ug/L	108	2		80	111	20
	Bromoform	20	19.7	ug/L	99	0		79	109	20
	Isopropylbenzene	20	22.3	ug/L	112	0		83	112	20
	1,1,2,2-Tetrachloroethane	20	21.2	ug/L	106	5		76	118	20
	1,2,3-Trichloropropane	20	20.5	ug/L	103	4		75	112	20
	Bromobenzene	20	21.8	ug/L	109	1		77	116	20
	N-propylbenzene	20	22.3	ug/L	112	1		83	112	20
	2-Chlorotoluene	20	21.2	ug/L	106	0		83	110	20
	1,3,5-Trimethylbenzene	20	22.3	ug/L	112	2		85	112	20
	4-Chlorotoluene	20	21.0	ug/L	105	1		82	110	20
	tert-Butylbenzene	20	22.5	ug/L	113	0	*	83	112	20
	1,2,4-Trimethylbenzene	20	22.0	ug/L	110	0		85	111	20
	Sec-butylbenzene	20	22.8	ug/L	114	3		81	114	20
	p-Isopropyltoluene	20	23.0	ug/L	115	1		78	116	20
	1,3-Dichlorobenzene	20	21.4	ug/L	107	1		82	108	20
	1,4-Dichlorobenzene	20	20.8	ug/L	104	2		82	107	20
	n-Butylbenzene	20	22.4	ug/L	112	4		75	115	20
	1,2-Dichlorobenzene	20	21.7	ug/L	109	1		82	109	20
	1,2-Dibromo-3-Chloropropane	20	19.7	ug/L	99	6		68	112	20
	1,2,4-Trichlorobenzene	20	20.9	ug/L	104	2		75	113	20
	Hexachlorobutadiene	20	21.9	ug/L	110	6		81	121	20
	Naphthalene	20	21.0	ug/L	105	2		78	119	20
	1,2,3-Trichlorobenzene	20	21.2	ug/L	106	2		76	114	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1101WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4676 SAS No.: P4676 SDG NO.: P4676

Lab File ID: VX043656.D Lab Sample ID: VX1101WBL01

Date Analyzed: 11/01/2024 Time Analyzed: 11:15

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
VX1101WBS01	VX1101WBS01	VX043657.D	11/01/2024
VX1101WBSD01	VX1101WBSD01	VX043658.D	11/01/2024
Storage-Blank-SOIL-REF-6	P4676-01	VX043661.D	11/01/2024
Storage-Blank-WATER-REF-5	P4676-02	VX043662.D	11/01/2024
Storage-Blank-WATER-REF-4	P4676-03	VX043663.D	11/01/2024
Storage-Blank-SAMPLE-MANAGEMENT	P4676-04	VX043664.D	11/01/2024

COMMENTS:

Raw Data: **VX043555.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.: P4676 SAS No.: P4676 SDG NO.: P4676

Lab File ID: VX043555.D BFB Injection Date: 10/28/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:09

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	68.9 (96.7) 1
177	5.0 - 9.0% of mass 176	4.1 (6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX043556.D	10/28/2024	10:59
VSTDICC005	VSTDICC005	VX043557.D	10/28/2024	11:22
VSTDICC020	VSTDICC020	VX043558.D	10/28/2024	11:45
VSTDICCC050	VSTDICCC050	VX043559.D	10/28/2024	12:08
VSTDICC100	VSTDICC100	VX043560.D	10/28/2024	12:31
VSTDICC150	VSTDICC150	VX043561.D	10/28/2024	12:54

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4676 SAS No.: P4676 SDG NO.: P4676

Lab File ID: VX043653.D BFB Injection Date: 11/01/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:38

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	6 (8.1) 1
176	95.0 - 101.0% of mass 174	72.7 (97.1) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 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	VX043654.D	11/01/2024	10:12
VX1101WBL01	VX1101WBL01	VX043656.D	11/01/2024	11:15
VX1101WBS01	VX1101WBS01	VX043657.D	11/01/2024	11:55
VX1101WBSD01	VX1101WBSD01	VX043658.D	11/01/2024	12:18
Storage-Blank-SOIL-REF-6	P4676-01	VX043661.D	11/01/2024	13:57
Storage-Blank-WATER-REF-5	P4676-02	VX043662.D	11/01/2024	14:20
Storage-Blank-WATER-REF-4	P4676-03	VX043663.D	11/01/2024	14:43
Storage-Blank-SAMPLE-MANAGEMENT	P4676-04	VX043664.D	11/01/2024	15:07

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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.: P4676 SAS No.: P4676 SDG NO.: P4676

Lab File ID: VX043654.D Date Analyzed: 11/01/2024

Instrument ID: MSVOA_X Time Analyzed: 10:12

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	184271	5.54	311909	6.76	274879	10.06
UPPER LIMIT	368542	6.044	623818	7.257	549758	10.555
LOWER LIMIT	92135.5	5.044	155955	6.257	137440	9.555
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	151230	5.54	267976	6.75	229450	10.05
Storage-Blank-WATER-REF-5	139714	5.55	251731	6.76	212258	10.06
Storage-Blank-WATER-REF-4	136449	5.55	246466	6.76	211761	10.06
Storage-Blank-SAMPLE-MANAGEMEN	125459	5.54	227266	6.76	202647	10.06
VX1101WBL01	146410	5.55	269747	6.76	232441	10.05
VX1101WBS01	192584	5.54	325239	6.76	281065	10.05
VX1101WBSD01	170511	5.55	295391	6.76	267467	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4676 SAS No.: P4676 SDG NO.: P4676

Lab File ID: VX043654.D Date Analyzed: 11/01/2024

Instrument ID: MSVOA_X Time Analyzed: 10:12

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

	IS4 AREA #	RT #				
12 HOUR STD	131267	12.024				
UPPER LIMIT	262534	12.524				
LOWER LIMIT	65633.5	11.524				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	95140	12.02				
Storage-Blank-WATER-REF-5	86030	12.02				
Storage-Blank-WATER-REF-4	87785	12.02				
Storage-Blank-SAMPLE-MANAGEME	90064	12.02				
VX1101WBL01	102414	12.02				
VX1101WBS01	133771	12.02				
VX1101WBSD01	124591	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VX043661.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4676
Lab Sample ID:	P4676-01	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
VX043661.D	1		11/01/24 13:57	VX110124

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	UQ	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: **VX043661.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4676
Lab Sample ID:	P4676-01	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
VX043661.D	1		11/01/24 13:57	VX110124

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	UQ	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	UQ	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043661.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4676
Lab Sample ID:	P4676-01	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
VX043661.D	1		11/01/24 13:57	VX110124

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	UQ	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	UQ	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	UQ	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	39.8		74 - 125	80%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	5.538			
540-36-3	1,4-Difluorobenzene	268000	6.751			
3114-55-4	Chlorobenzene-d5	229000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	95100	12.018			

Raw Data: **VX043661.D**

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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4676
Lab Sample ID:	P4676-01	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
VX043661.D	1		11/01/24 13:57	VX110124

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: **VX043661.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043661.D
Acq On : 01 Nov 2024 13:57
Operator : JC/MD
Sample : P4676-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:12:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	151230	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	267976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	229450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95883	39.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 79.520%			
35) Dibromofluoromethane	5.373	113	84418	46.457	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.920%			
50) Toluene-d8	8.647	98	315527	50.161	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	107395	46.075	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.160%			
Target Compounds						Qvalue

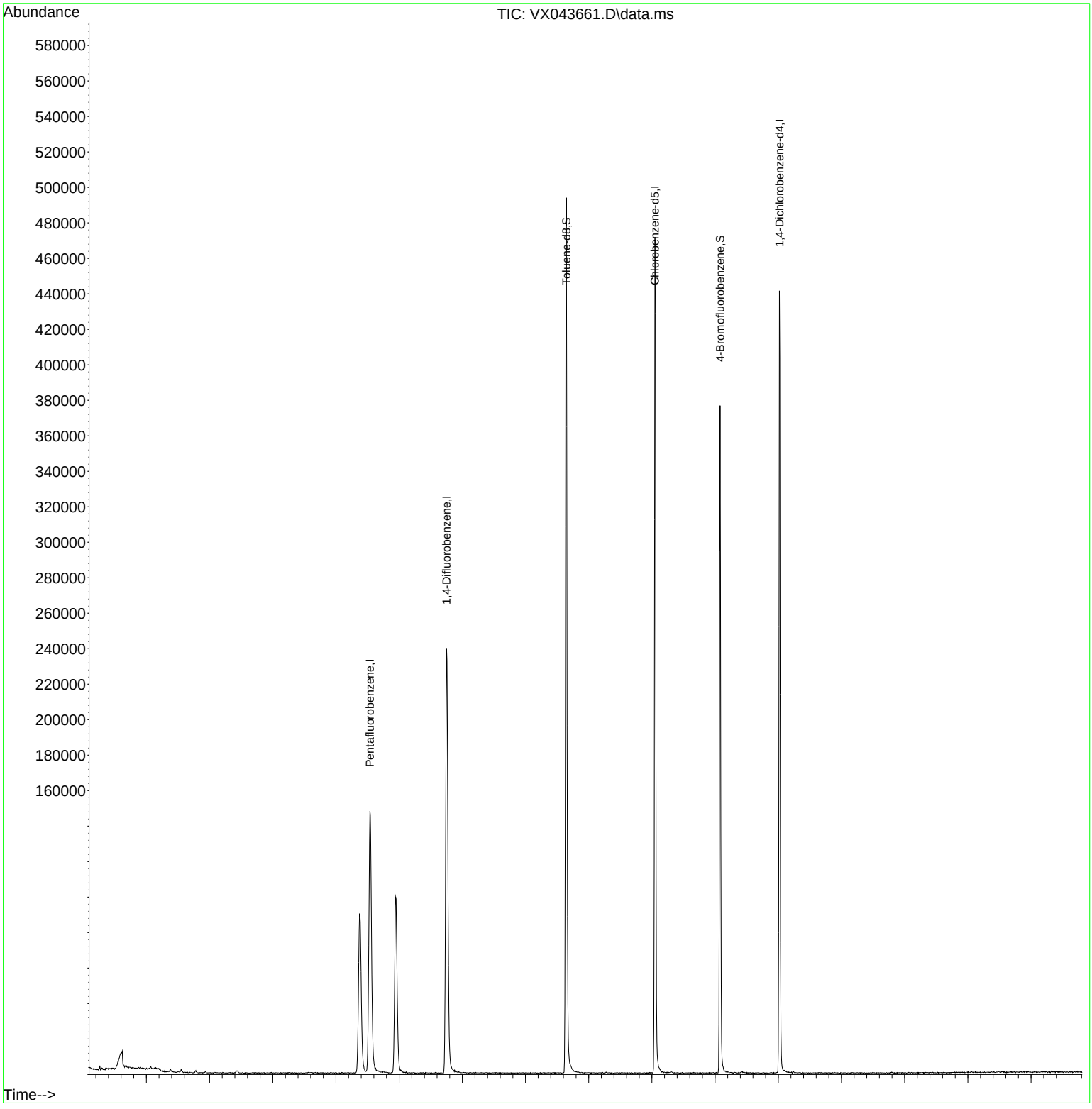
(#) = qualifier out of range (m) = manual integration (+) = signals summed

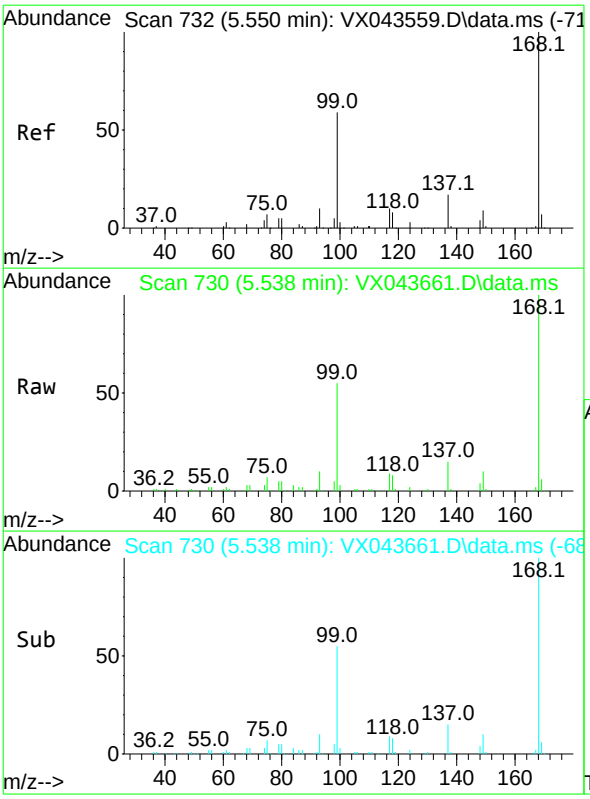
Sample Results: **VX043661.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043661.D
Acq On : 01 Nov 2024 13:57
Operator : JC/MD
Sample : P4676-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:12:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



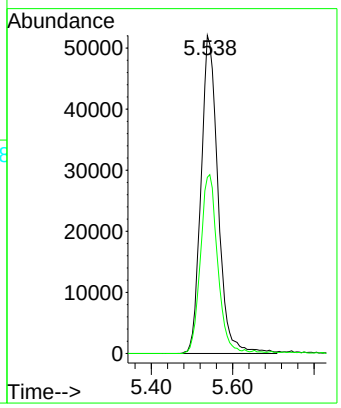


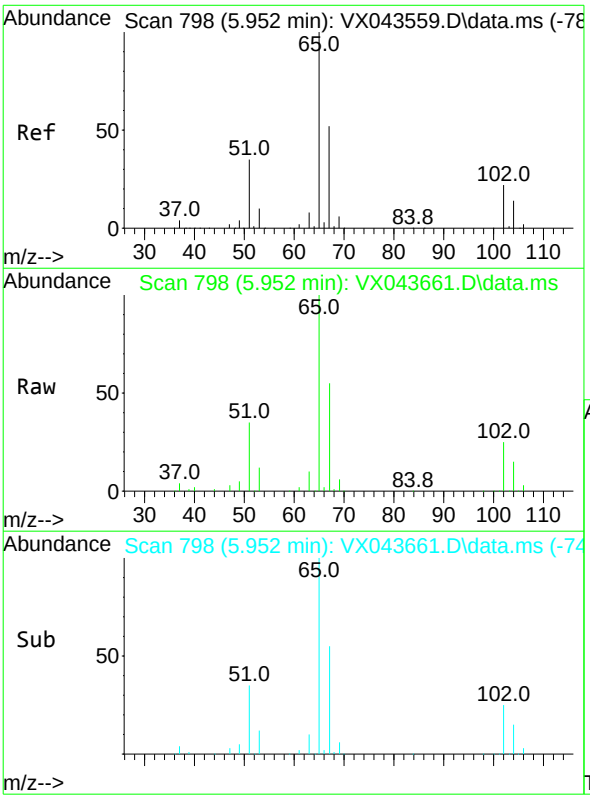
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.012 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

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

Tgt Ion:168 Resp: 151230

Ion	Ratio	Lower	Upper
168	100		
99	55.4	52.6	78.8

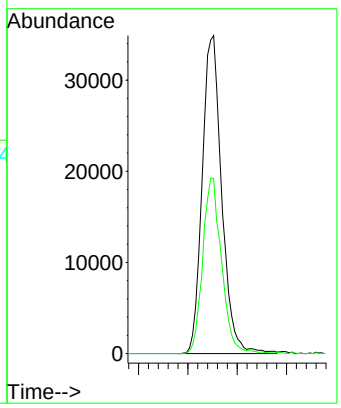


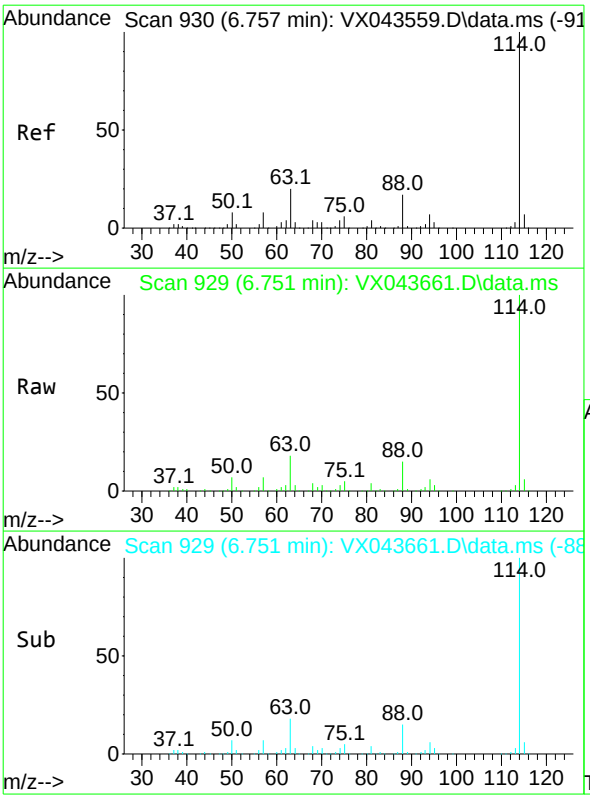


#33
1,2-Dichloroethane-d4
Concen: 39.762 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

Tgt Ion: 65 Resp: 95883

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4



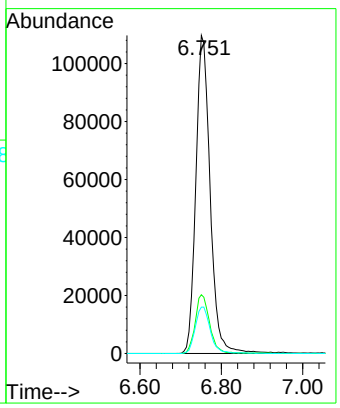


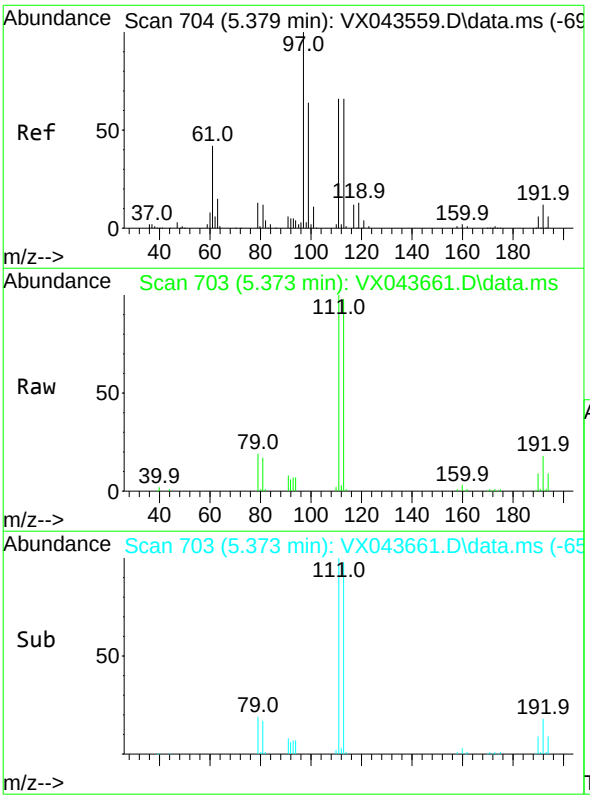
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 92
Delta R.T. -0.006 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

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

Tgt Ion:114 Resp: 267976

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	41.2
88	14.6	0.0	34.0

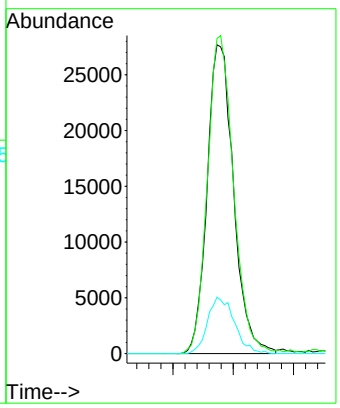


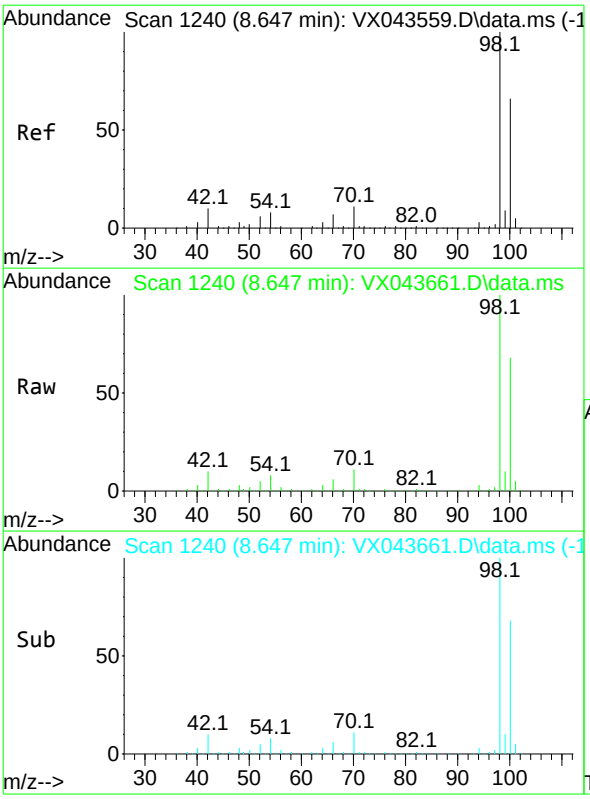


#35
Dibromofluoromethane
Concen: 46.457 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.012 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

Tgt Ion:113 Resp: 84418

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.0
192	18.6	14.1	21.1



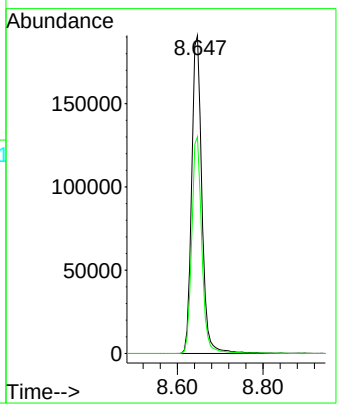


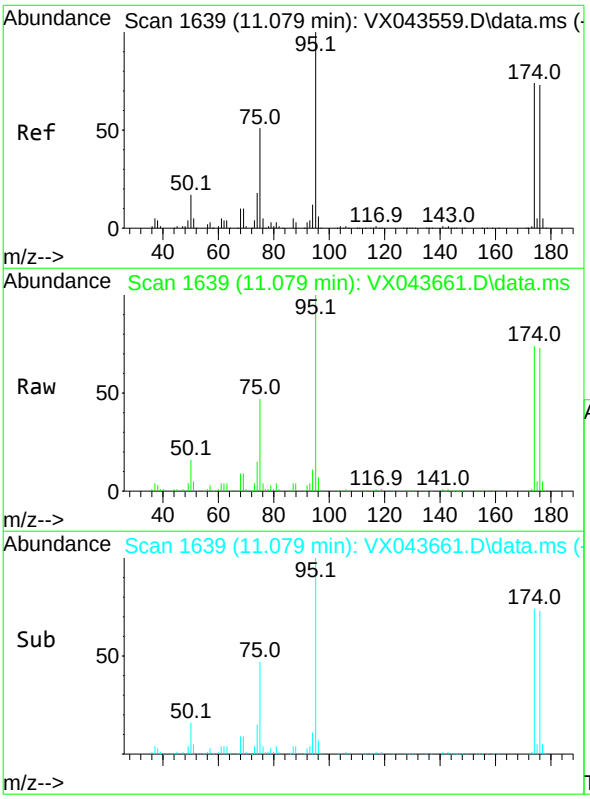
#50
Toluene-d8
Concen: 50.161 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

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

Tgt Ion: 98 Resp: 315527

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2

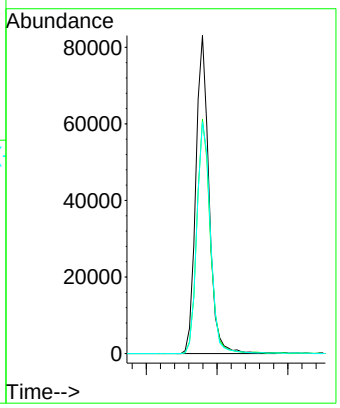


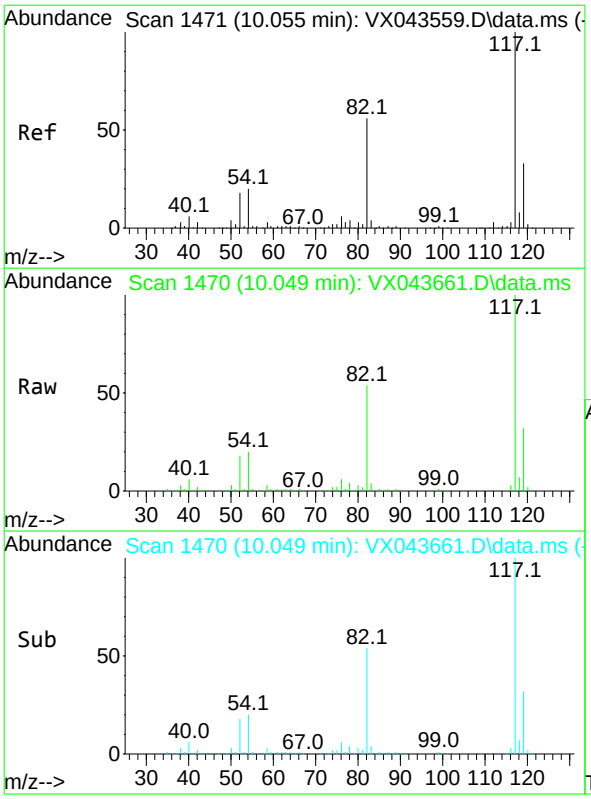


#62
4-Bromofluorobenzene
Concen: 46.075 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

Tgt Ion: 95 Resp: 107395

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	146.6
176	74.8	0.0	139.6



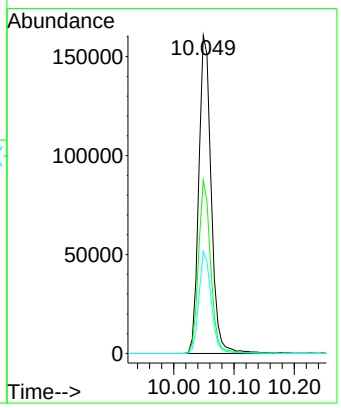


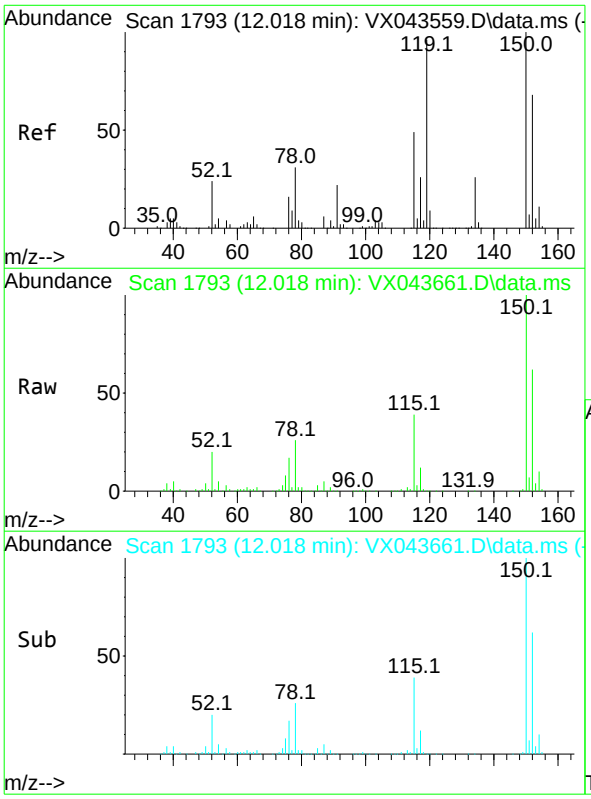
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

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

Tgt Ion:117 Resp: 229450

Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.1	63.1
119	32.2	25.4	38.2

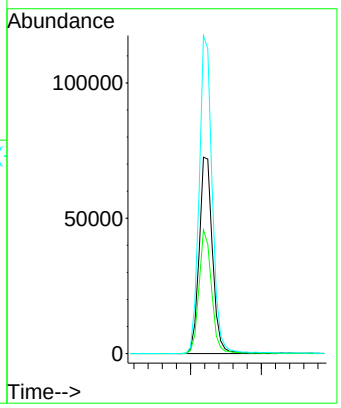




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043661.D
Acq: 01 Nov 2024 13:57

Tgt Ion:152 Resp: 95140

Ion	Ratio	Lower	Upper
152	100		
115	59.5	42.9	128.7
150	157.5	0.0	343.6



Raw Data: **VX043662.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4676
Lab Sample ID:	P4676-02	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
VX043662.D	1		11/01/24 14:20	VX110124

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	UQ	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: **VX043662.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4676
Lab Sample ID:	P4676-02	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
VX043662.D	1		11/01/24 14:20	VX110124

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	UQ	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	UQ	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043662.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4676
Lab Sample ID:	P4676-02	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
VX043662.D	1		11/01/24 14:20	VX110124

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	UQ	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	UQ	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	UQ	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	41.4		74 - 125	83%	SPK: 50
1868-53-7	Dibromofluoromethane	46.3		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	5.55			
540-36-3	1,4-Difluorobenzene	252000	6.757			
3114-55-4	Chlorobenzene-d5	212000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	86000	12.024			

Raw Data: **VX043662.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4676
Lab Sample ID:	P4676-02	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
VX043662.D	1		11/01/24 14:20	VX110124

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: **VX043662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043662.D
Acq On : 01 Nov 2024 14:20
Operator : JC/MD
Sample : P4676-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:12:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	139714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	251731	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92244	41.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.820%		
35) Dibromofluoromethane	5.379	113	79001	46.281	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.560%		
50) Toluene-d8	8.647	98	295353	49.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.079	95	95866	43.783	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	87.560%		
Target Compounds						Qvalue

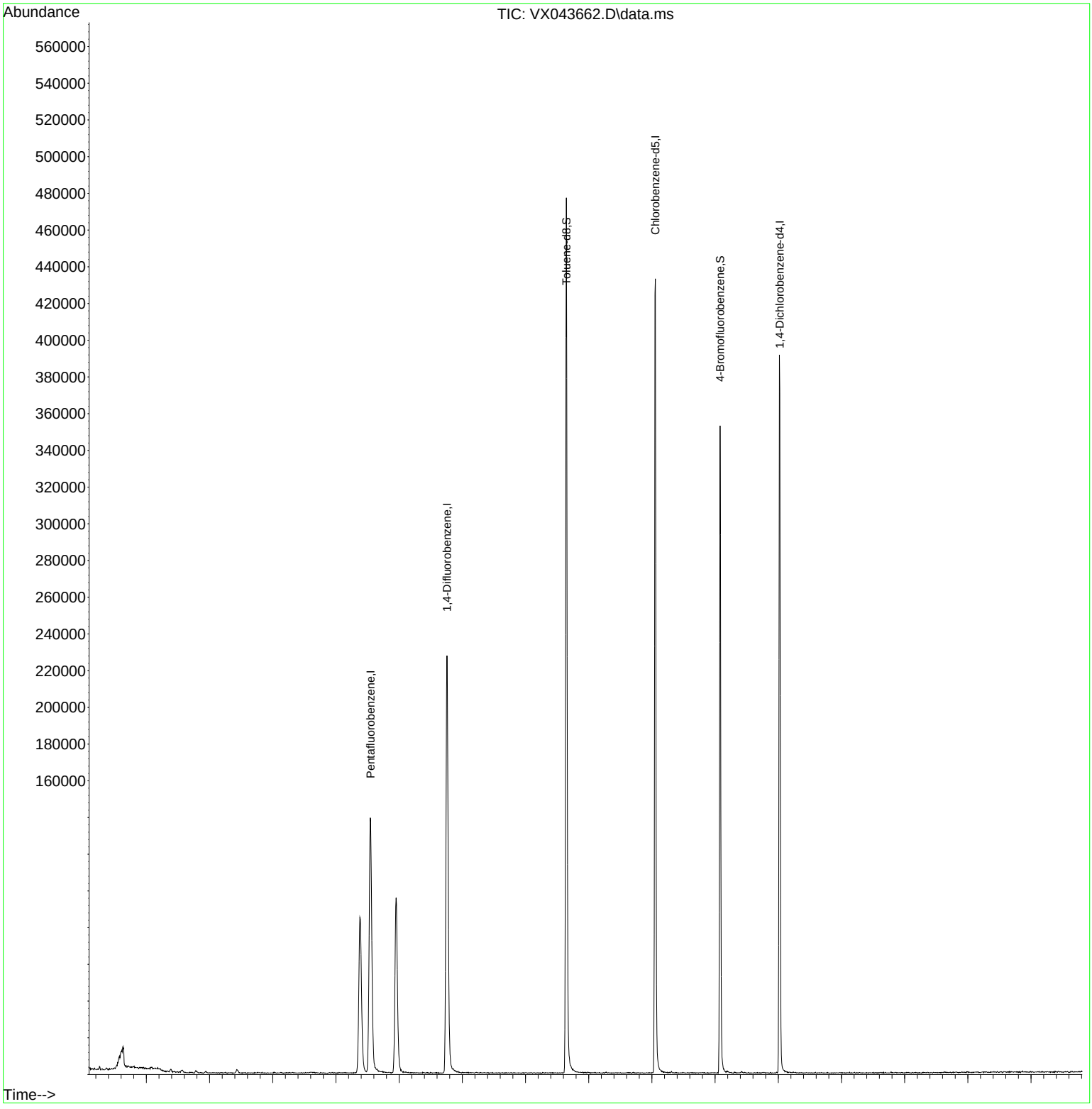
(#) = qualifier out of range (m) = manual integration (+) = signals summed

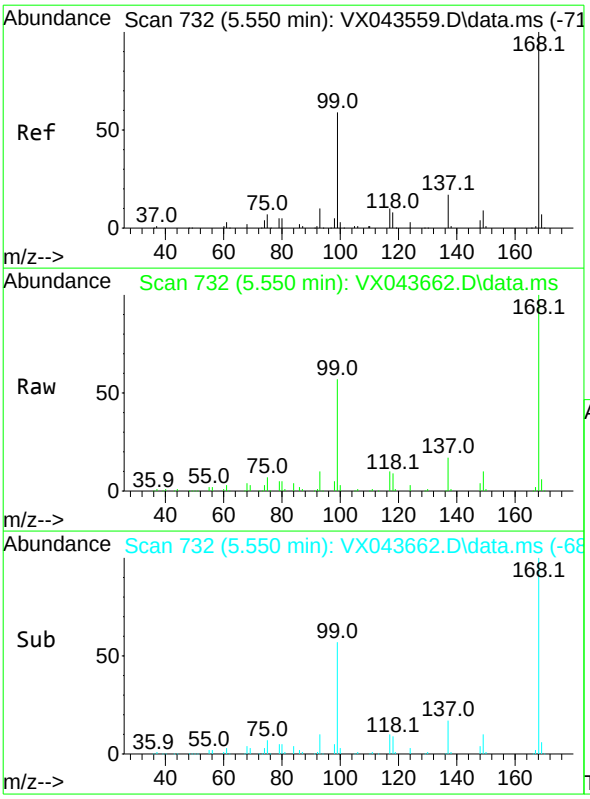
Sample Results: **VX043662.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043662.D
Acq On : 01 Nov 2024 14:20
Operator : JC/MD
Sample : P4676-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:12:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



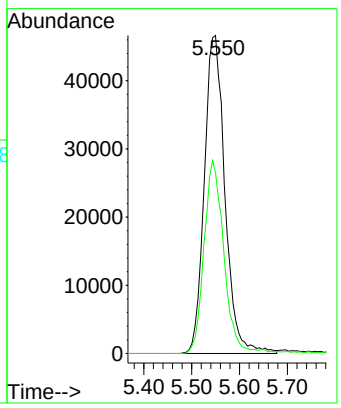


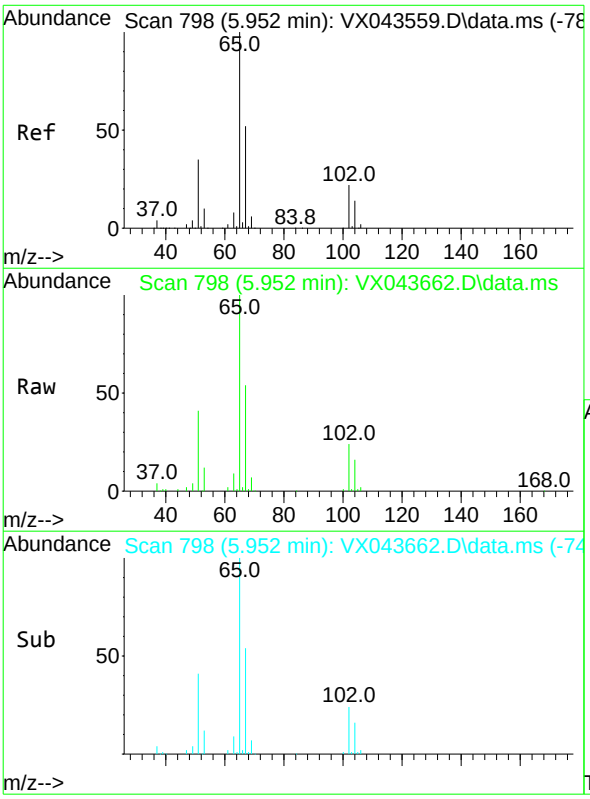
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

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

Tgt Ion:168 Resp: 139714

Ion	Ratio	Lower	Upper
168	100		
99	56.9	52.6	78.8

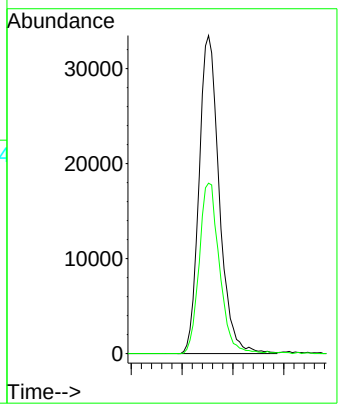


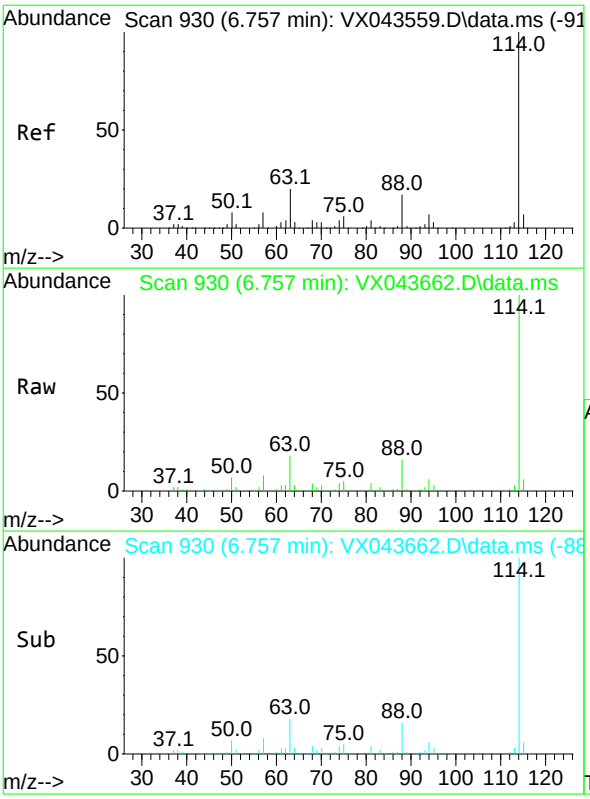


#33
1,2-Dichloroethane-d4
Concen: 41.406 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

Tgt Ion: 65 Resp: 92244

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	103.4



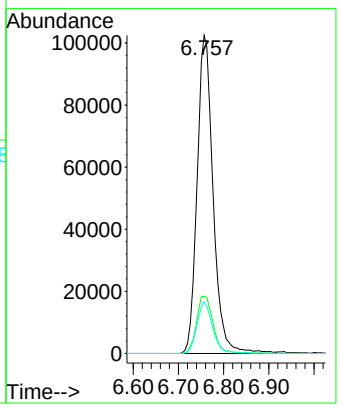


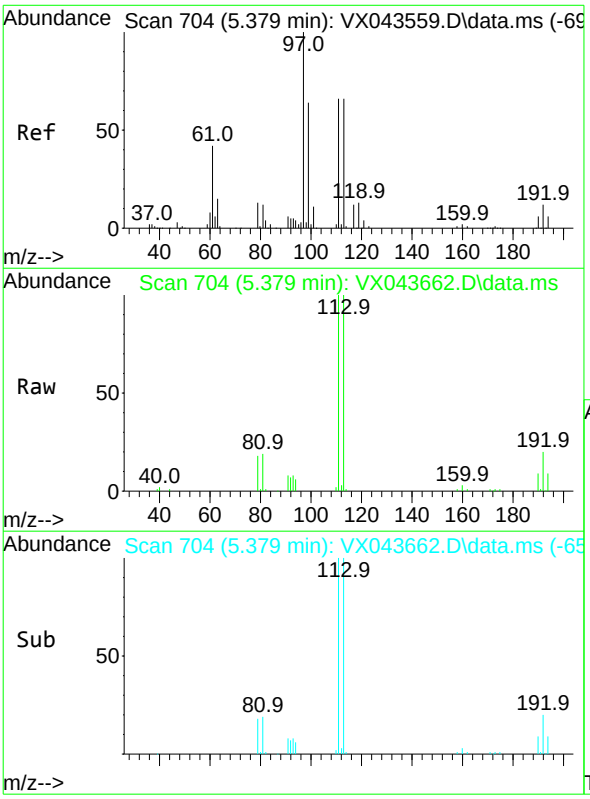
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

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

Tgt Ion:114 Resp: 251731

Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	41.2
88	16.3	0.0	34.0

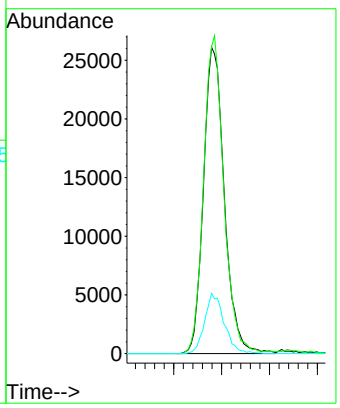


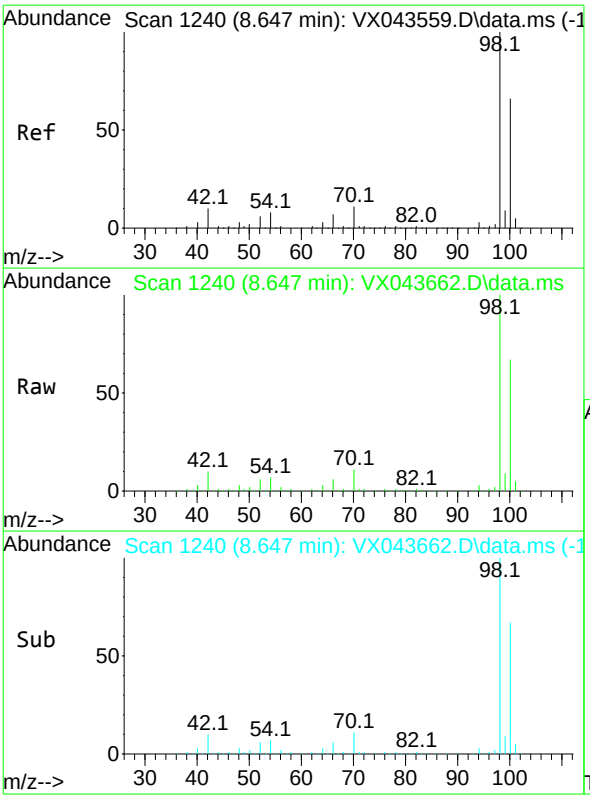


#35
Dibromofluoromethane
Concen: 46.281 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

Tgt Ion:113 Resp: 79001

Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.4	122.0
192	18.5	14.1	21.1



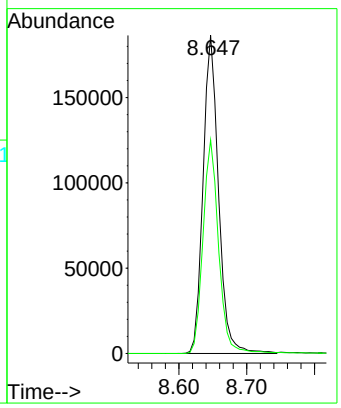


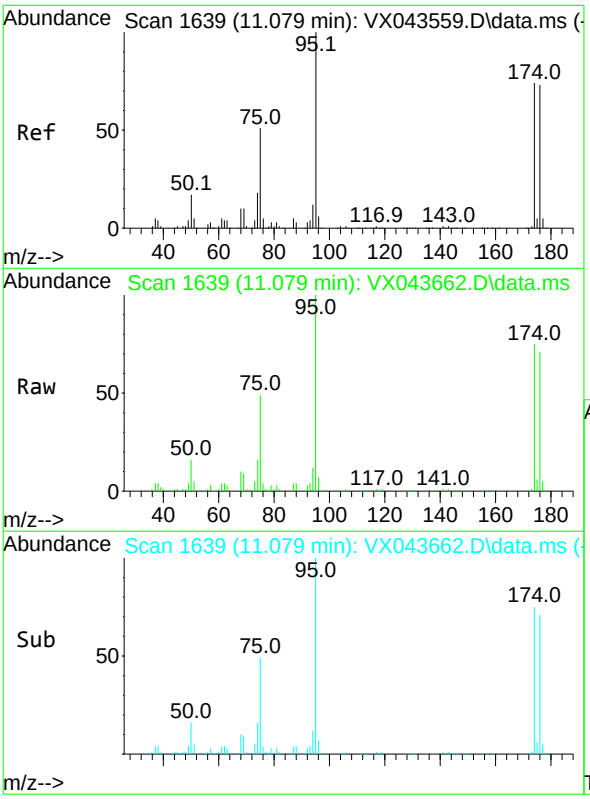
#50
Toluene-d8
Concen: 49.984 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

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

Tgt Ion: 98 Resp: 295353

Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.4	80.2

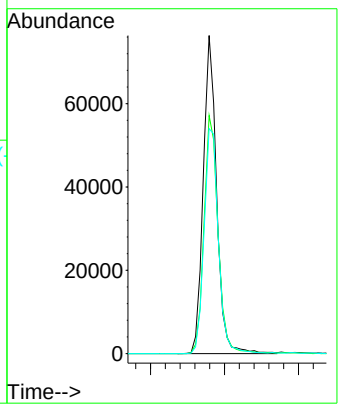


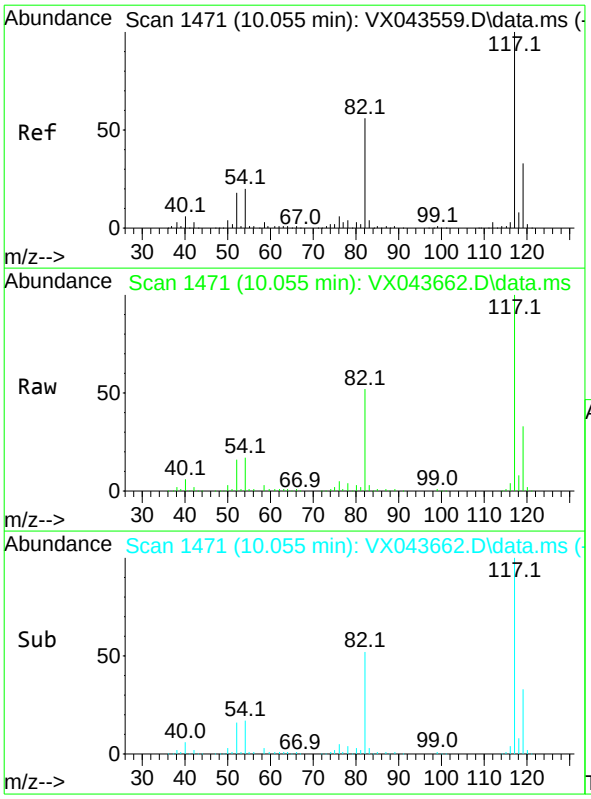


#62
4-Bromofluorobenzene
Concen: 43.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

Tgt Ion: 95 Resp: 95866

Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	146.6
176	75.7	0.0	139.6



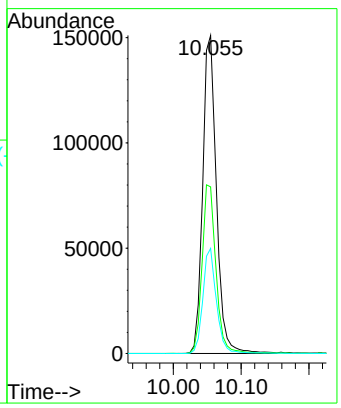


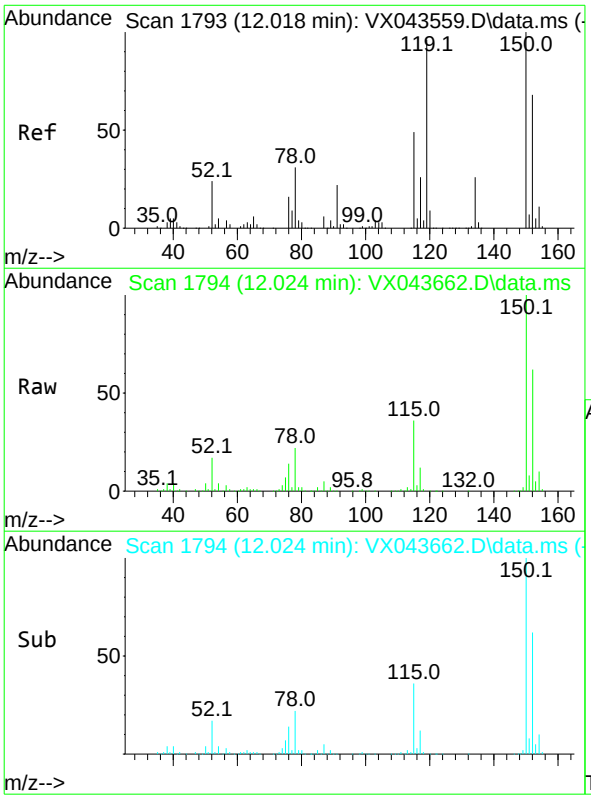
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

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

Tgt Ion:117 Resp: 212258

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.1	63.1
119	33.0	25.4	38.2

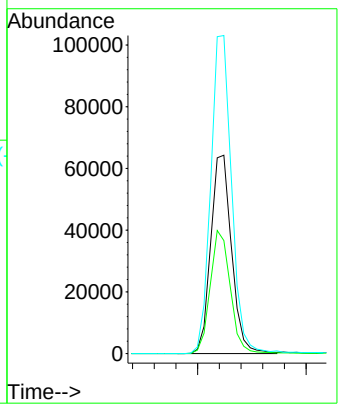




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043662.D
Acq: 01 Nov 2024 14:20

Tgt Ion:152 Resp: 86030

Ion	Ratio	Lower	Upper
152	100		
115	59.8	42.9	128.7
150	161.3	0.0	343.6



Raw Data: **VX043663.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4676
Lab Sample ID:	P4676-03	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
VX043663.D	1		11/01/24 14:43	VX110124

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	UQ	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: **VX043663.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4676
Lab Sample ID:	P4676-03	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
VX043663.D	1		11/01/24 14:43	VX110124

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	UQ	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	UQ	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043663.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4676
Lab Sample ID:	P4676-03	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
VX043663.D	1		11/01/24 14:43	VX110124

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	UQ	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	UQ	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	UQ	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	41.9		74 - 125	84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.4		75 - 124	93%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	136000	5.55			
540-36-3	1,4-Difluorobenzene	246000	6.757			
3114-55-4	Chlorobenzene-d5	212000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	87800	12.024			

Raw Data: **VX043663.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4676
Lab Sample ID:	P4676-03	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
VX043663.D	1		11/01/24 14:43	VX110124

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: **VX043663.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043663.D
Acq On : 01 Nov 2024 14:43
Operator : JC/MD
Sample : P4676-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:13:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	136449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	246466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91114	41.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.760%			
35) Dibromofluoromethane	5.385	113	77610	46.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.880%			
50) Toluene-d8	8.647	98	291778	50.434	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	11.079	95	98368	45.886	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.780%			
Target Compounds						Qvalue

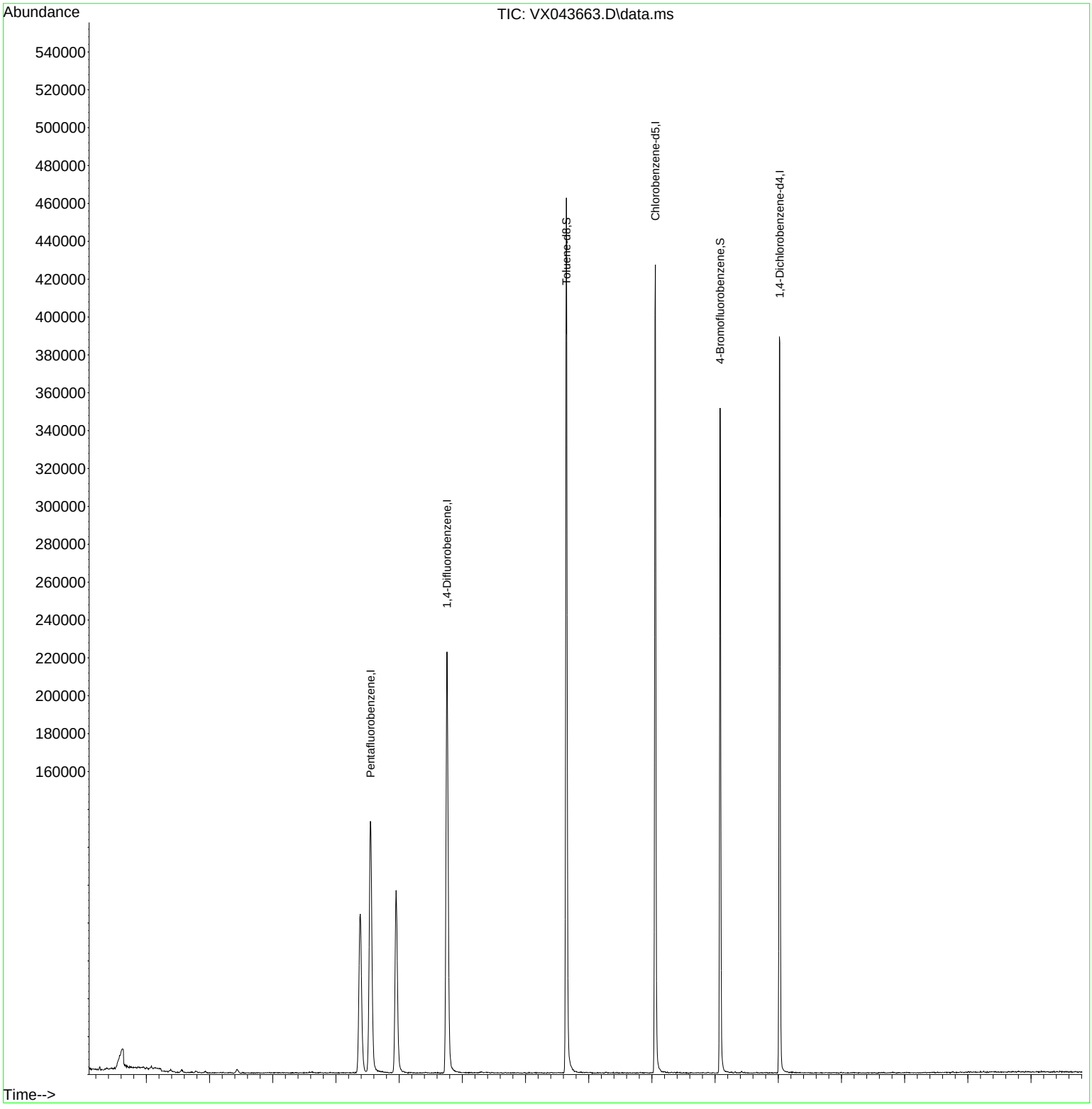
(#) = qualifier out of range (m) = manual integration (+) = signals summed

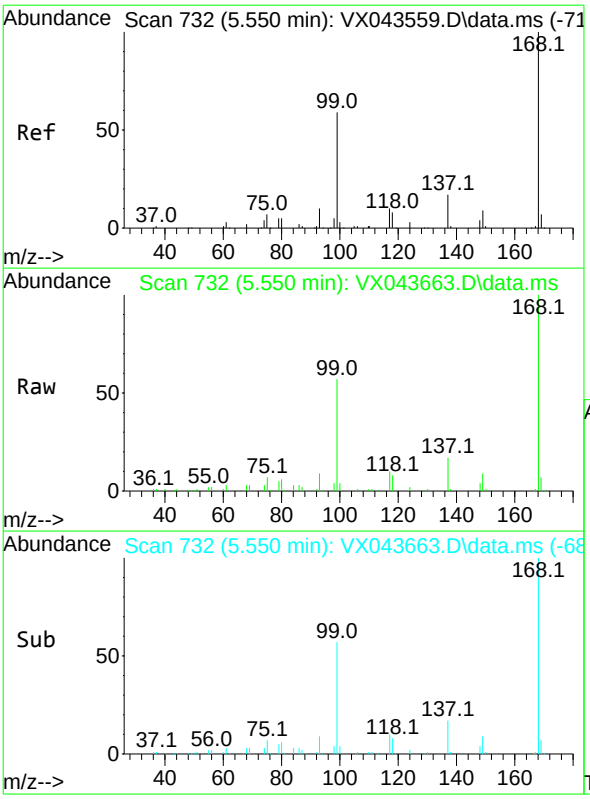
Sample Results: **VX043663.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043663.D
Acq On : 01 Nov 2024 14:43
Operator : JC/MD
Sample : P4676-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:13:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



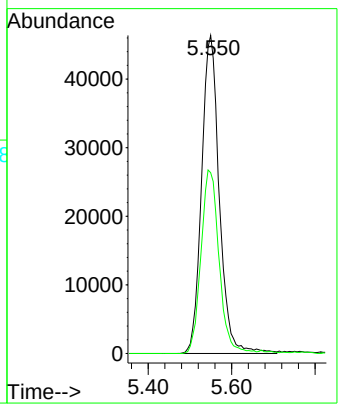


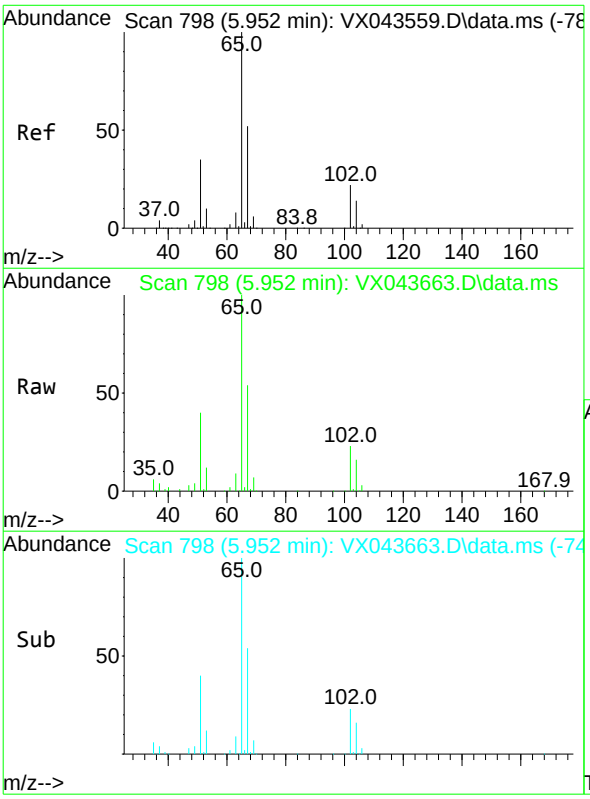
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

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

Tgt Ion:168 Resp: 136449

Ion	Ratio	Lower	Upper
168	100		
99	56.8	52.6	78.8

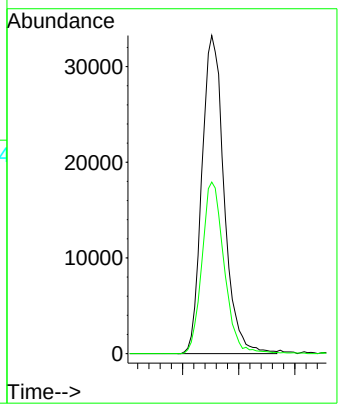


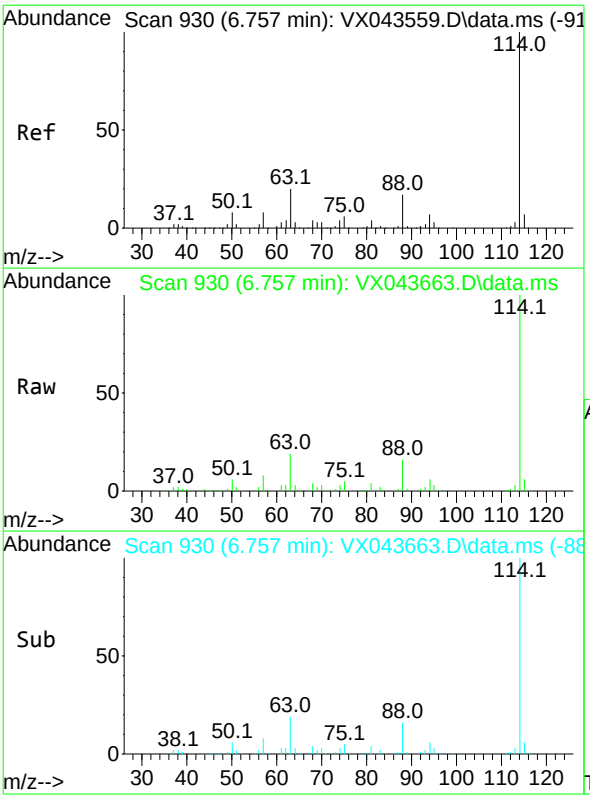


#33
1,2-Dichloroethane-d4
Concen: 41.878 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

Tgt Ion: 65 Resp: 91114

Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	103.4



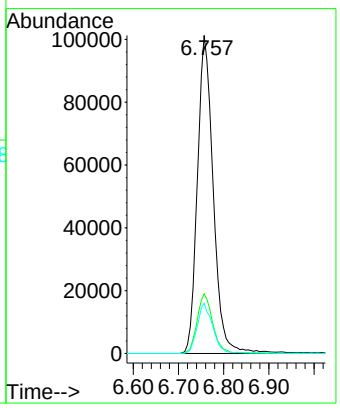


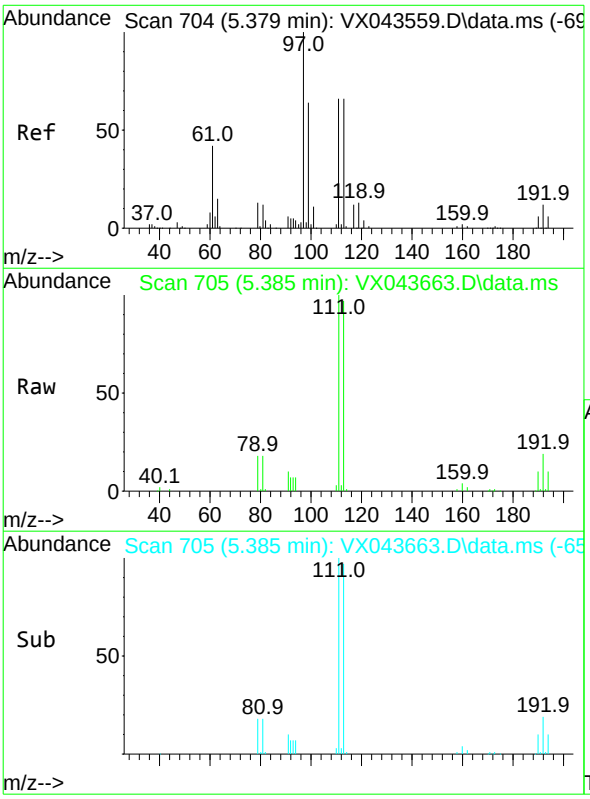
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

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

Tgt Ion:114 Resp: 246466

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	41.2
88	15.8	0.0	34.0

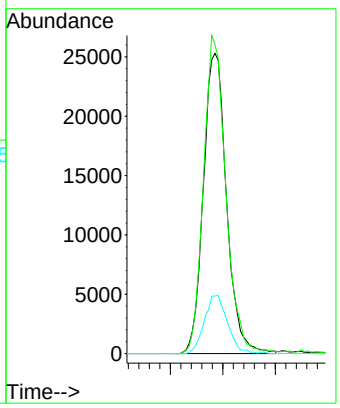


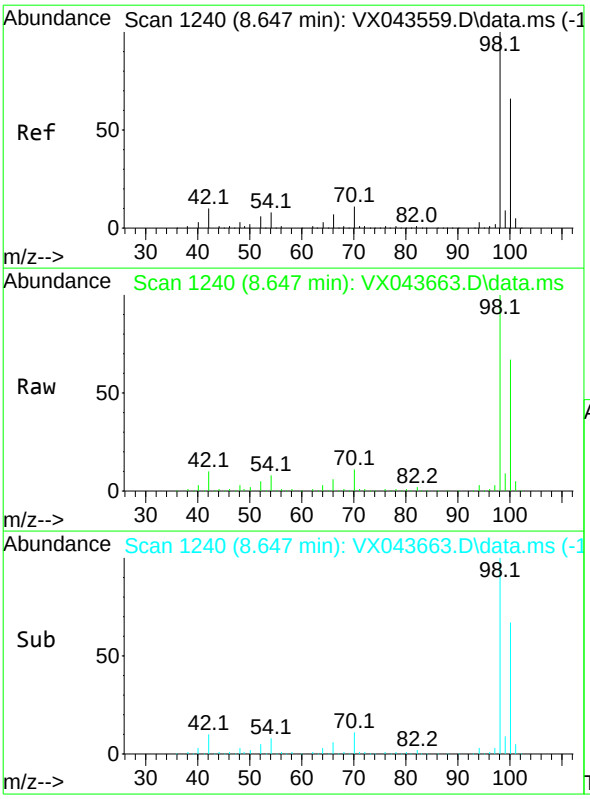


#35
Dibromofluoromethane
Concen: 46.438 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

Tgt Ion:113 Resp: 77610

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	19.3	14.1	21.1



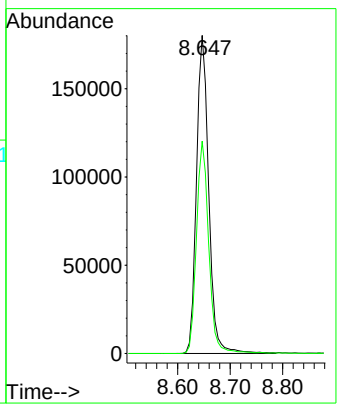


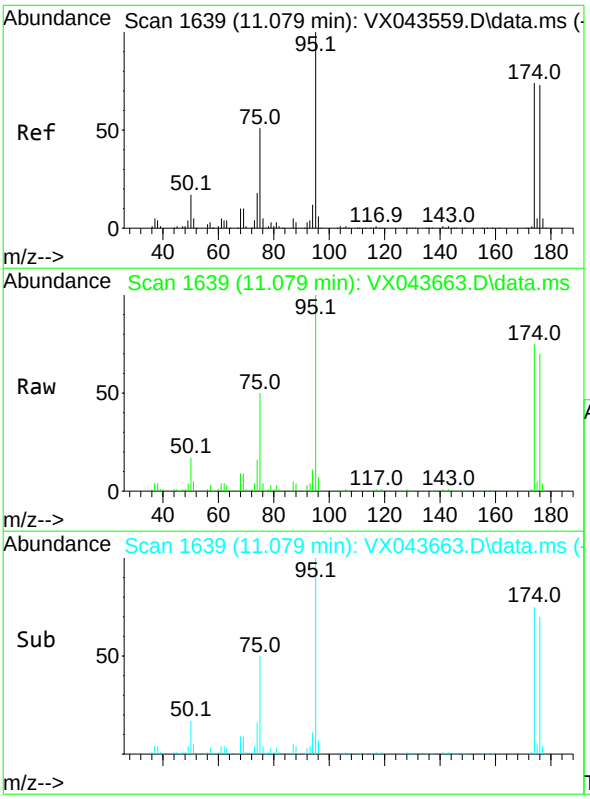
#50
Toluene-d8
Concen: 50.434 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

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

Tgt Ion: 98 Resp: 291778

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2

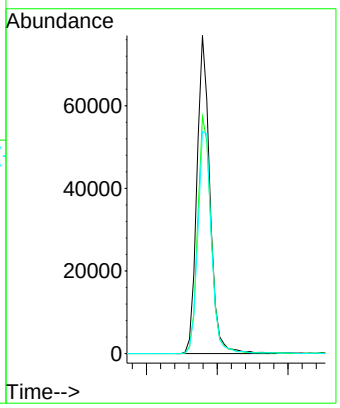


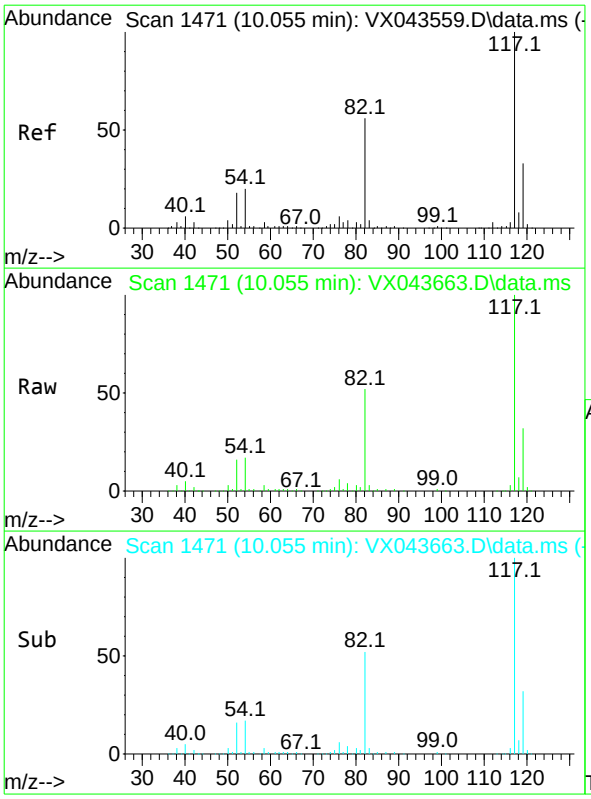


#62
4-Bromofluorobenzene
Concen: 45.886 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

Tgt Ion: 95 Resp: 98368

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	146.6
176	73.4	0.0	139.6



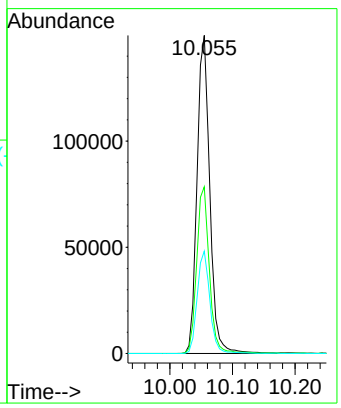


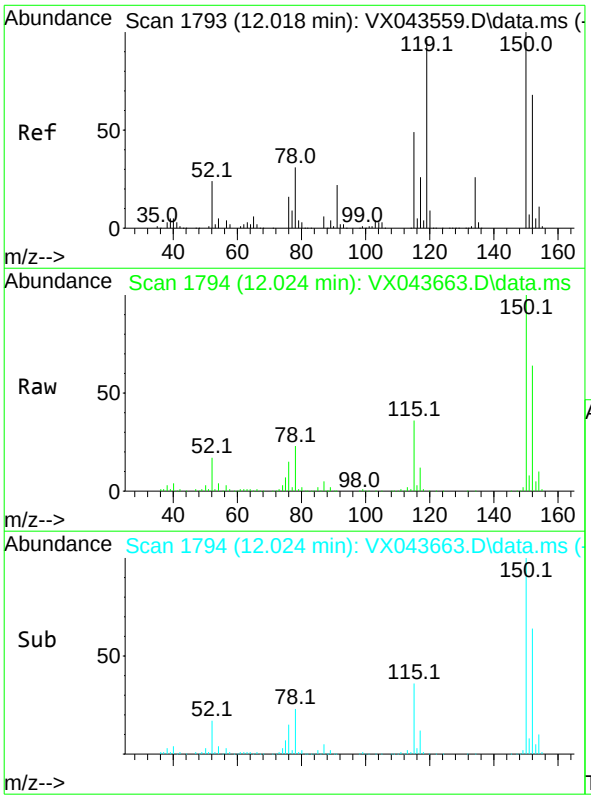
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

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

Tgt Ion:117 Resp: 211761

Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.1	63.1
119	32.2	25.4	38.2

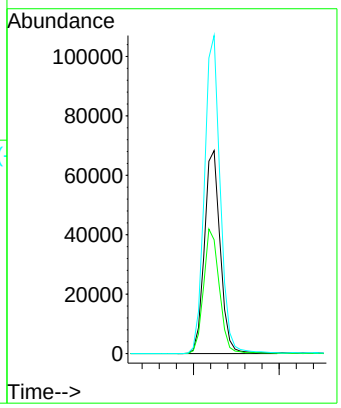




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043663.D
Acq: 01 Nov 2024 14:43

Tgt Ion:152 Resp: 87785

Ion	Ratio	Lower	Upper
152	100		
115	61.2	42.9	128.7
150	156.3	0.0	343.6



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4676
Lab Sample ID:	P4676-04	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
VX043664.D	1		11/01/24 15:07	VX110124

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	UQ	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: **VX043664.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4676
Lab Sample ID:	P4676-04	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
VX043664.D	1		11/01/24 15:07	VX110124

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	UQ	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	UQ	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VX043664.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4676
Lab Sample ID:	P4676-04	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
VX043664.D	1		11/01/24 15:07	VX110124

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	UQ	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	UQ	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	UQ	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	42.8		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	5.544			
540-36-3	1,4-Difluorobenzene	227000	6.757			
3114-55-4	Chlorobenzene-d5	203000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	90100	12.024			

Raw Data: **VX043664.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:	11/01/24
Project:	Weekly Storage Blanks	Date Received:	11/01/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4676
Lab Sample ID:	P4676-04	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
VX043664.D	1		11/01/24 15:07	VX110124

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: **VX043664.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043664.D
Acq On : 01 Nov 2024 15:07
Operator : JC/MD
Sample : P4676-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:13:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	125459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	227266	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85574	42.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.560%			
35) Dibromofluoromethane	5.379	113	71035	46.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.180%			
50) Toluene-d8	8.647	98	272557	51.092	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.180%			
62) 4-Bromofluorobenzene	11.079	95	94901	48.008	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.020%			
Target Compounds						Qvalue

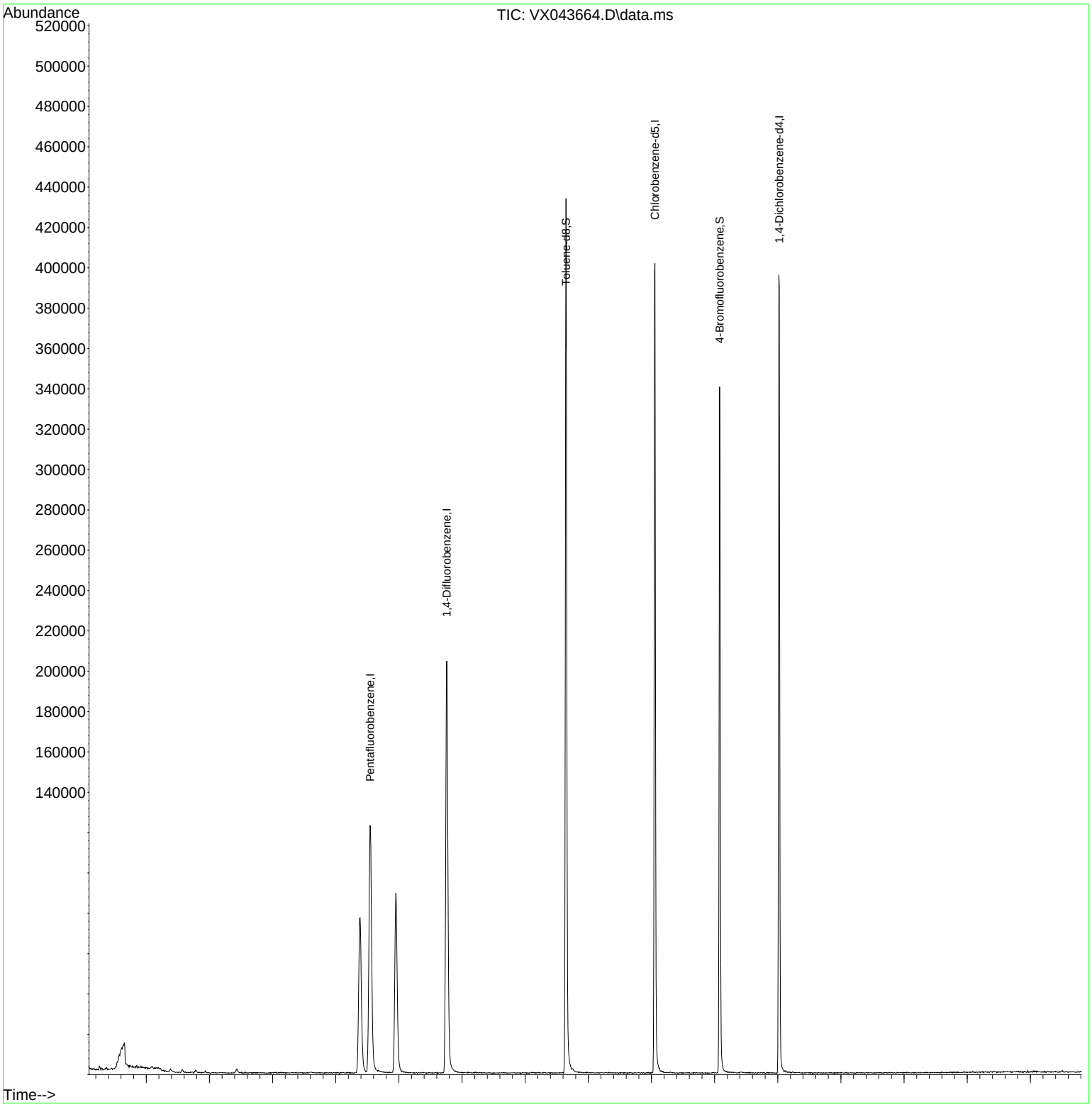
(#) = qualifier out of range (m) = manual integration (+) = signals summed

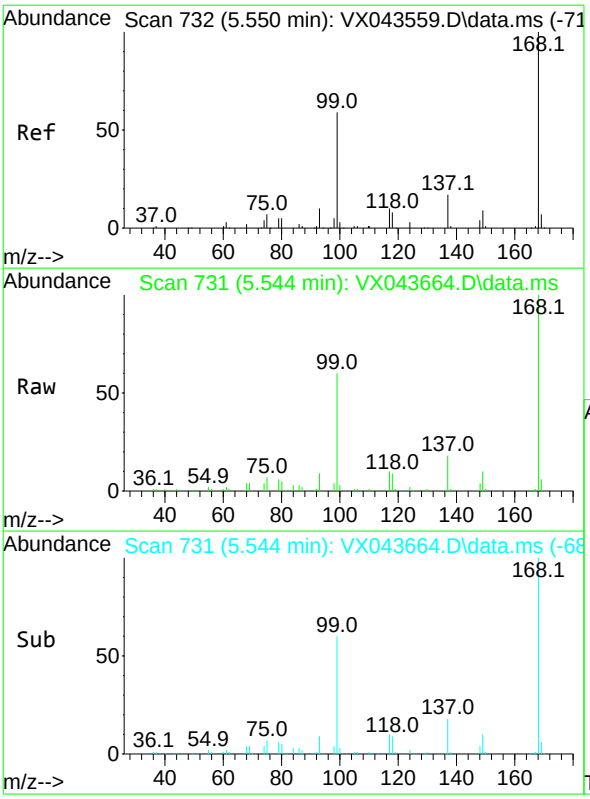
Sample Results: **VX043664.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043664.D
Acq On : 01 Nov 2024 15:07
Operator : JC/MD
Sample : P4676-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 04 06:13:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



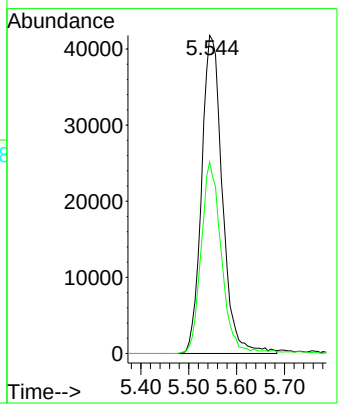


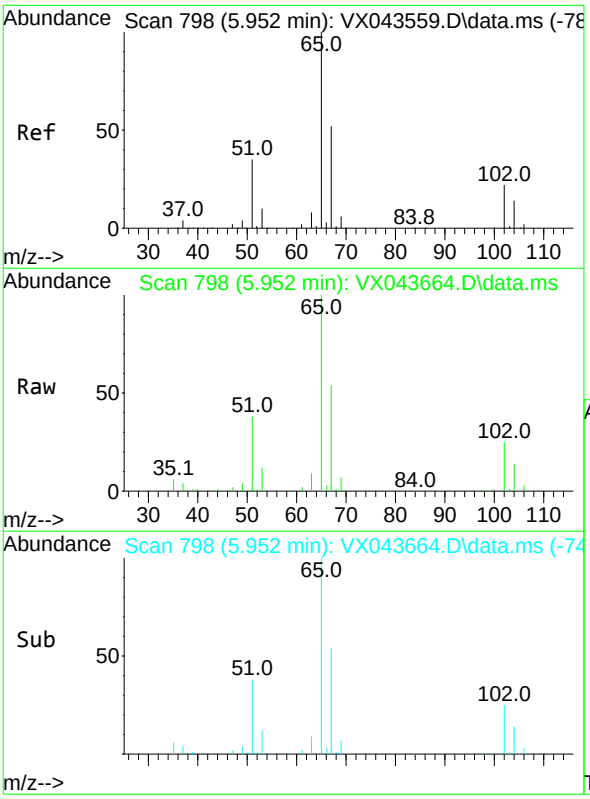
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

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

Tgt Ion:168 Resp: 125459

Ion	Ratio	Lower	Upper
168	100		
99	60.2	52.6	78.8

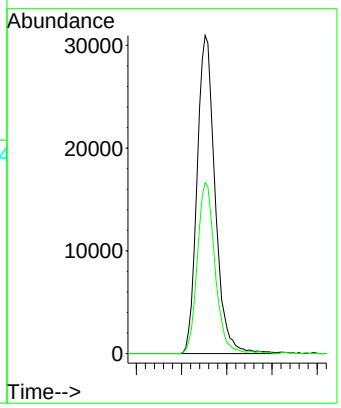


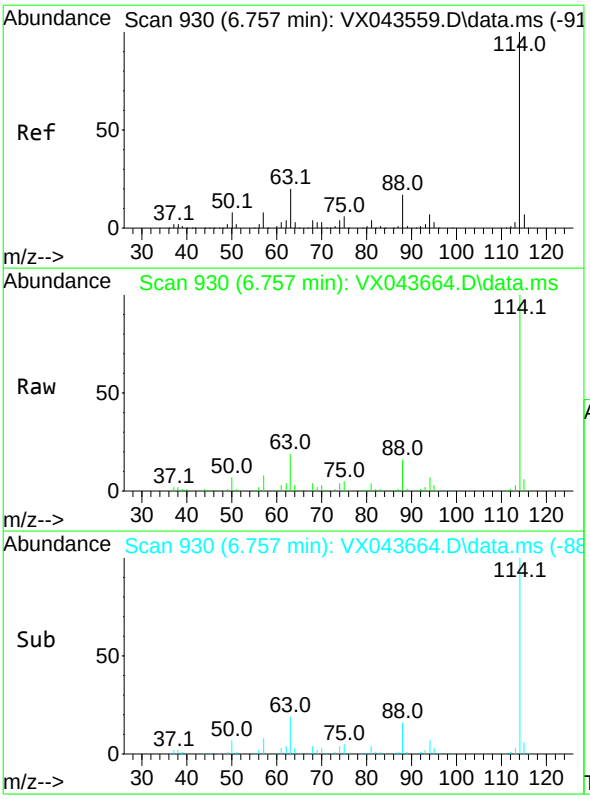


#33
1,2-Dichloroethane-d4
Concen: 42.777 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

Tgt Ion: 65 Resp: 85574

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.4



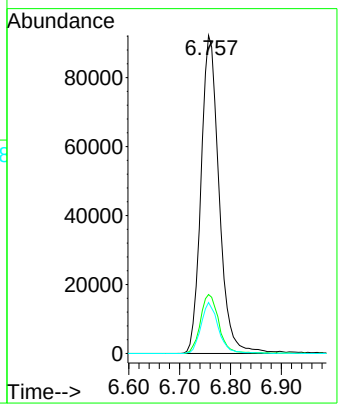


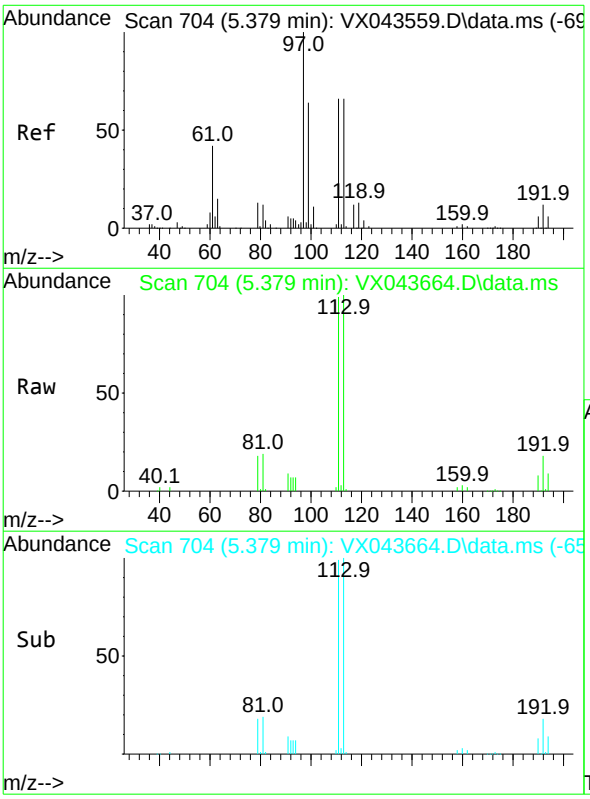
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

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

Tgt Ion:114 Resp: 227266

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	41.2
88	16.0	0.0	34.0

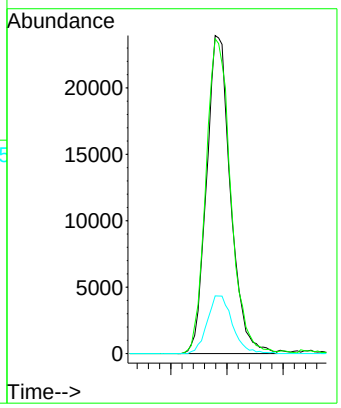


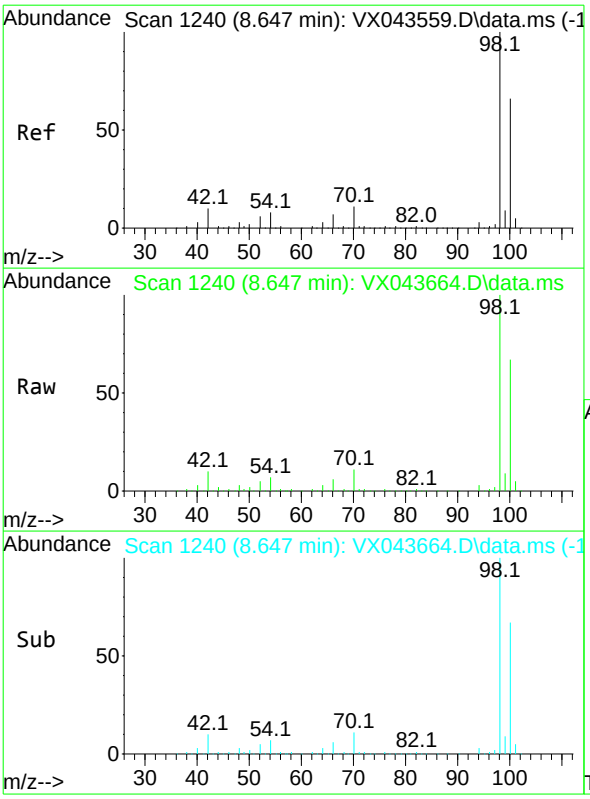


#35
Dibromofluoromethane
Concen: 46.094 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

Tgt Ion:113 Resp: 71035

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	19.1	14.1	21.1



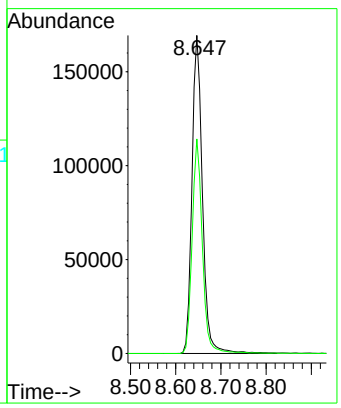


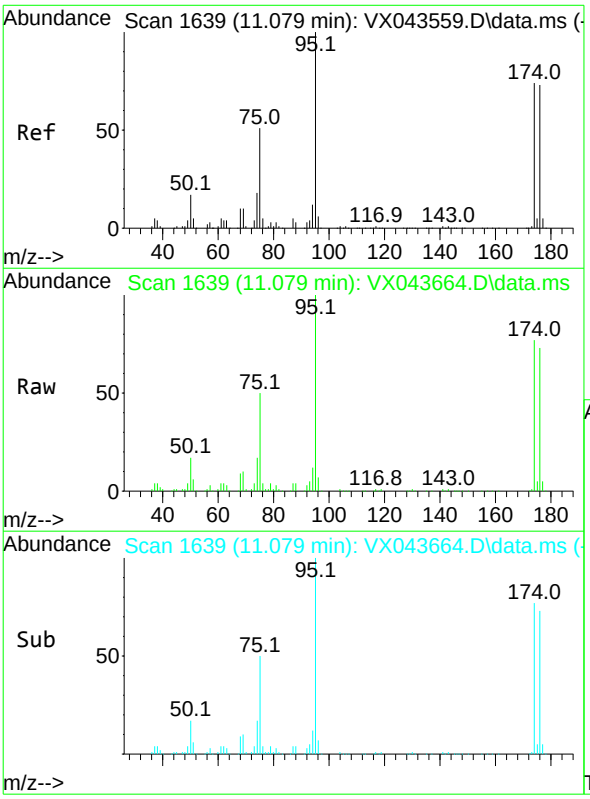
#50
Toluene-d8
Concen: 51.092 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

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

Tgt Ion: 98 Resp: 272557

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.2

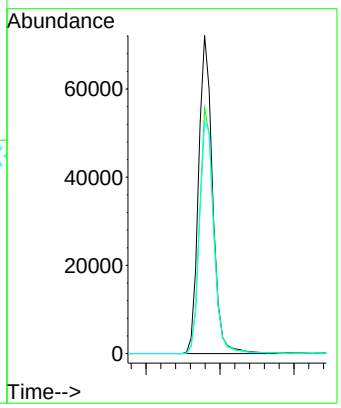


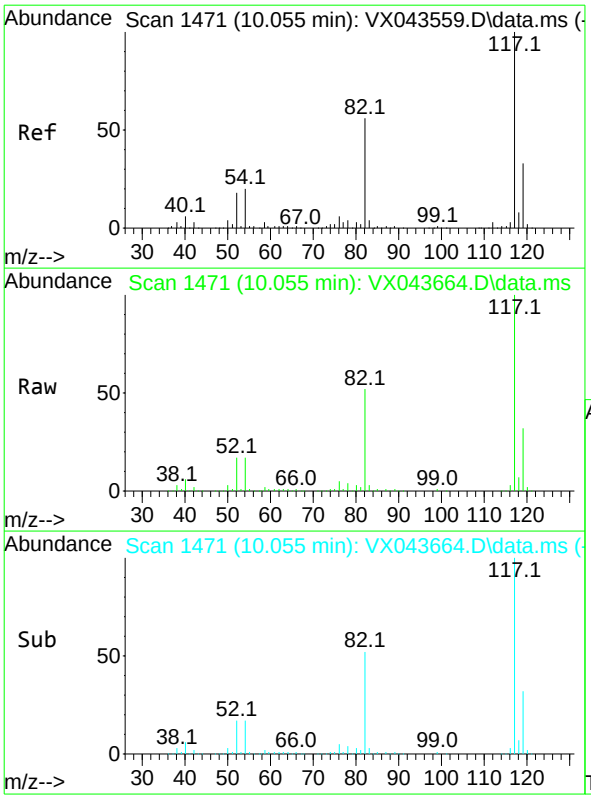


#62
4-Bromofluorobenzene
Concen: 48.008 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

Tgt Ion: 95 Resp: 94901

Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	146.6
176	75.4	0.0	139.6



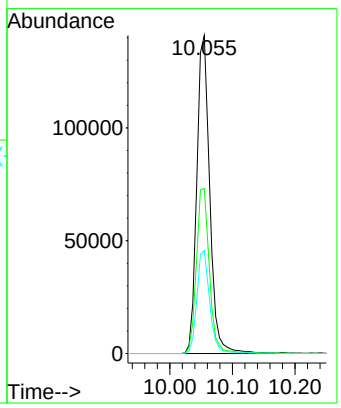


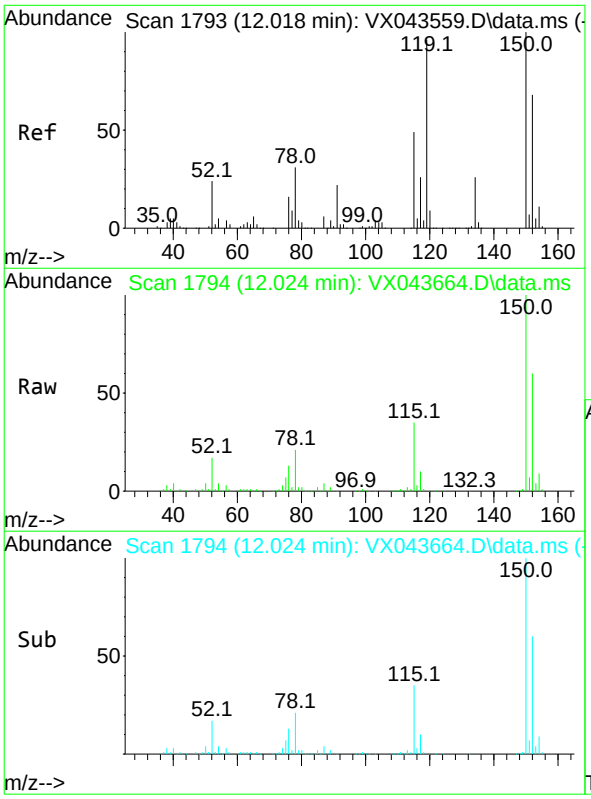
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

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

Tgt Ion:117 Resp: 202647

Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.1	63.1
119	32.4	25.4	38.2

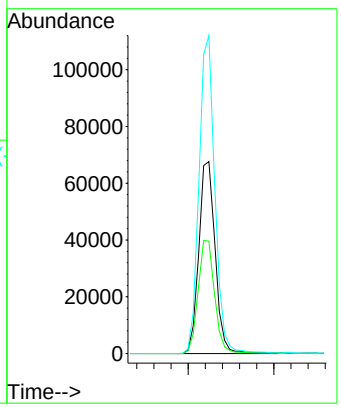




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043664.D
Acq: 01 Nov 2024 15:07

Tgt Ion:152 Resp: 90064

Ion	Ratio	Lower	Upper
152	100		
115	59.6	42.9	128.7
150	160.1	0.0	343.6



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.: P4676 SAS No.: P4676 SDG No.: P4676

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

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

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7
Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.1
Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.2
Ethyl Acetate	0.522	0.416	0.498	0.506	0.503	0.484	0.488	7.6
Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.9
Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	9
Trichlorofluoromethane	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.1
1,1,2-Trichlorotrifluoroethane	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.7
Tert butyl alcohol		0.131	0.131	0.156	0.170	0.155	0.149	11.4
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3
Acrolein		0.124	0.121	0.109	0.117	0.111	0.116	5.5
Acrylonitrile	0.302	0.335	0.331	0.348	0.360	0.340	0.336	5.8
Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.2
Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.6
Methyl tert-butyl Ether	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.9
Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.4
Methylene Chloride	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.2
trans-1,2-Dichloroethene	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3
Vinyl Acetate	1.326	1.547	1.607	1.688	1.706	1.618	1.582	8.7
1,1-Dichloroethane	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.6
Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.3
2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.5
Carbon Tetrachloride	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.8
2,2-Dichloropropane	0.928	0.914	0.901	0.889	0.925	0.848	0.901	3.3
cis-1,2-Dichloroethene	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.3
Bromochloromethane	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.7
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8
1,1,1-Trichloroethane	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.3
Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.9
1,1-Dichloropropene	0.451	0.396	0.408	0.388	0.400	0.369	0.402	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.

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.: P4676 SAS No.: P4676 SDG No.: P4676

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

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

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	4
1,2-Dichloroethane	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.6
Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.4
1,2-Dichloropropane	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.2
Dibromomethane	0.230	0.264	0.258	0.260	0.262	0.252	0.254	4.9
Bromodichloromethane	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10
4-Methyl-2-Pentanone	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8
Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.7
t-1,3-Dichloropropene	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.6
cis-1,3-Dichloropropene	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12
1,1,2-Trichloroethane	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.1
1,3-Dichloropropane	0.495	0.577	0.589	0.590	0.576	0.551	0.563	6.4
2-Chloroethyl Vinyl ether	0.232	0.257	0.287	0.268	0.279	0.275	0.266	7.3
2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.3
Dibromochloromethane	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.4
1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.8
Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.8
Chlorobenzene	1.098	1.110	1.083	1.075	1.081	1.007	1.076	3.3
1,1,1,2-Tetrachloroethane	0.301	0.345	0.350	0.372	0.381	0.359	0.351	8.1
Hexachloroethane	0.408	0.421	0.476	0.519	0.560	0.533	0.486	12.8
Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.5
m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.2
o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.2
Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.8
Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.9
Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.8
1,1,2,2-Tetrachloroethane	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.9
1,2,3-Trichloropropane	0.928	1.210	1.166	1.071	1.043	0.996	1.069	9.8
Bromobenzene	0.922	0.945	0.926	0.925	0.922	0.847	0.915	3.7
n-propylbenzene	3.678	3.819	4.066	3.986	3.987	3.635	3.862	4.6

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

Raw Data

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.: P4676 SAS No.: P4676 SDG No.: P4676

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

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

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Chlorotoluene	2.723	2.677	2.652	2.517	2.499	2.296	2.561	6.2
1,3,5-Trimethylbenzene	2.761	3.105	3.117	3.038	2.984	2.714	2.953	5.9
4-Chlorotoluene	2.951	2.921	2.942	2.892	2.887	2.652	2.874	3.9
tert-Butylbenzene	2.885	3.100	3.149	3.041	3.068	2.777	3.003	4.7
1,2,4-Trimethylbenzene	2.780	3.111	3.187	3.099	3.051	2.829	3.010	5.5
sec-Butylbenzene	3.295	3.559	3.718	3.642	3.604	3.304	3.520	5.1
p-Isopropyltoluene	2.741	2.984	3.123	3.121	3.138	2.847	2.992	5.6
1,3-Dichlorobenzene	1.645	1.695	1.647	1.646	1.654	1.548	1.639	3
1,4-Dichlorobenzene	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.1
n-Butylbenzene	2.117	2.230	2.516	2.614	2.687	2.467	2.438	9.1
1,2-Dichlorobenzene	1.638	1.735	1.698	1.726	1.675	1.586	1.676	3.4
1,2-Dibromo-3-Chloropropane	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.5
1,2,4-Trichlorobenzene	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.3
Hexachlorobutadiene	0.392	0.367	0.378	0.373	0.391	0.351	0.375	4.1
Naphthalene	3.249	3.743	4.006	4.126	4.229	4.007	3.893	9.1
1,2,3-Trichlorobenzene	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.3
1,2-Dichloroethane-d4		0.902	0.794	0.785	0.771	0.735	0.797	7.9
Dibromofluoromethane		0.358	0.337	0.336	0.342	0.323	0.339	3.7
Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.8
4-Bromofluorobenzene		0.446	0.431	0.444	0.439	0.415	0.435	2.9

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

Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024
Response Via : Initial Calibration

Calibration Files
1 =VX043556.D 5 =VX043557.D 20 =VX043558.D 50 =VX043559.D 100 =VX043560.D 150 =VX043561.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7.04
3)	P	Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.15
4)	C	Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.23#
5)	T	Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.91
6)	T	Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	8.96
7)	T	Trichlorofluor...	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.10
8)	T	Diethyl Ether	0.336	0.375	0.355	0.355	0.378	0.349	0.358	4.46
9)	T	1,1,2-Trichlor...	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.67
10)	T	Methyl Iodide		0.726	0.762	0.782	0.789	0.726	0.757	3.98
11)	T	Tert butyl alc...		0.131	0.131	0.156	0.170	0.155	0.149	11.43
12)	CM	1,1-Dichloroet...	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.27#
13)	T	Acrolein		0.124	0.121	0.109	0.117	0.111	0.116	5.54
14)	T	Allyl chloride	0.911	0.881	0.900	0.953	1.003	0.911	0.926	4.82
15)	T	Acrylonitrile	0.302	0.335	0.331	0.348	0.360	0.340	0.336	5.75
16)	T	Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.17
17)	T	Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.61
18)	T	Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.37
19)	T	Methyl tert-bu...	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.94
20)	T	Methylene Chlo...	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.16
21)	T	trans-1,2-Dich...	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3.01
22)	T	Diisopropyl ether	1.799	1.992	1.982	1.951	1.942	1.823	1.915	4.32
23)	T	Vinyl Acetate	1.326	1.547	1.607	1.688	1.706	1.618	1.582	8.73
24)	P	1,1-Dichloroet...	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.57
25)	T	2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.54
26)	T	2,2-Dichloropr...	0.928	0.914	0.901	0.889	0.925	0.848	0.901	3.33
27)	T	cis-1,2-Dichlo...	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.33
28)	T	Bromochloromet...	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.73
29)	T	Tetrahydrofuran	0.281	0.305	0.299	0.310	0.312	0.295	0.300	3.78
30)	C	Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.82#
31)	T	Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.26
32)	T	1,1,1-Trichlor...	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.32
33)	S	1,2-Dichloroet...		0.902	0.794	0.785	0.771	0.735	0.797	7.86
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.358	0.337	0.336	0.342	0.323	0.339	3.73
36)	T	1,1-Dichloropr...	0.451	0.396	0.408	0.388	0.400	0.369	0.402	6.88
37)	T	Ethyl Acetate	0.522	0.416	0.498	0.506	0.503	0.484	0.488	7.65
38)	T	Carbon Tetrach...	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.83
39)	T	Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.88
40)	TM	Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	3.97
41)	T	Methacrylonitrile	0.260	0.221	0.260	0.271	0.270	0.256	0.256	7.12
42)	TM	1,2-Dichloroet...	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.65
43)	T	Isopropyl Acetate	0.744	0.809	0.795	0.836	0.845	0.814	0.807	4.45
44)	TM	Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.45
45)	C	1,2-Dichloropr...	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.25#
46)	T	Dibromomethane	0.230	0.264	0.258	0.260	0.262	0.252	0.254	4.93
47)	T	Bromodichlorom...	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10.03
48)	T	Methyl methacr...	0.319	0.367	0.391	0.402	0.412	0.404	0.383	9.07
49)	T	1,4-Dioxane	0.008	0.008	0.007	0.008	0.010	0.007	0.008	13.42
50)	S	Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.76
51)	T	4-Methyl-2-Pen...	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8.04
52)	CM	Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.75#
53)	T	t-1,3-Dichloro...	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.64
54)	T	cis-1,3-Dichlo...	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12.02
55)	T	1,1,2-Trichlor...	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.05
56)	T	Ethyl methacry...	0.473	0.522	0.561	0.590	0.588	0.566	0.550	8.19

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X102824W.M

57)	T	1,3-Dichloropr...	0.495	0.577	0.589	0.590	0.576	0.551	0.563	6.42
58)	T	2-Chloroethyl ...	0.232	0.257	0.287	0.268	0.279	0.275	0.266	7.34
59)	T	2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.33
60)	T	Dibromochlorom...	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.42
61)	T	1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.81
62)	S	4-Bromofluorob...		0.446	0.431	0.444	0.439	0.415	0.435	2.92
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.83
65)	PM	Chlorobenzene	1.098	1.110	1.082	1.075	1.081	1.007	1.076	3.34
66)	T	1,1,1,2-Tetrac...	0.301	0.345	0.350	0.372	0.381	0.359	0.351	8.05
67)	C	Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.48#
68)	T	m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.21
69)	T	o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.20
70)	T	Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.75
71)	P	Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.91
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.80
74)	T	N-amyl acetate	1.647	1.710	1.736	1.773	1.779	1.708	1.725	2.83
75)	P	1,1,2,2-Tetrac...	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.86
76)	T	1,2,3-Trichlor...	0.928	1.210	1.166	1.071	1.043	0.996	1.069	9.83
77)	T	Bromobenzene	0.922	0.945	0.926	0.925	0.922	0.847	0.915	3.74
78)	T	n-propylbenzene	3.678	3.819	4.066	3.986	3.987	3.635	3.862	4.63
79)	T	2-Chlorotoluene	2.723	2.677	2.652	2.517	2.499	2.296	2.561	6.15
80)	T	1,3,5-Trimethy...	2.761	3.105	3.117	3.038	2.984	2.714	2.953	5.91
81)	T	trans-1,4-Dich...		0.290	0.356	0.418	0.447	0.432	0.389	16.71
82)	T	4-Chlorotoluene	2.951	2.921	2.942	2.892	2.887	2.652	2.874	3.88
83)	T	tert-Butylbenzene	2.885	3.100	3.149	3.041	3.068	2.777	3.003	4.73
84)	T	1,2,4-Trimethy...	2.780	3.111	3.187	3.099	3.051	2.829	3.010	5.50
85)	T	sec-Butylbenzene	3.295	3.559	3.718	3.642	3.604	3.304	3.520	5.09
86)	T	p-Isopropyltol...	2.741	2.984	3.123	3.121	3.138	2.847	2.992	5.58
87)	T	1,3-Dichlorobe...	1.645	1.695	1.647	1.646	1.654	1.548	1.639	2.97
88)	T	1,4-Dichlorobe...	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.14
89)	T	n-Butylbenzene	2.117	2.230	2.516	2.614	2.687	2.467	2.438	9.10
90)	T	Hexachloroethane	0.408	0.421	0.476	0.519	0.560	0.533	0.486	12.77
91)	T	1,2-Dichlorobe...	1.638	1.735	1.697	1.726	1.675	1.586	1.676	3.38
92)	T	1,2-Dibromo-3-...	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.53
93)	T	1,2,4-Trichlor...	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.27
94)	T	Hexachlorobuta...	0.392	0.367	0.378	0.373	0.391	0.351	0.375	4.13
95)	T	Naphthalene	3.249	3.742	4.006	4.126	4.229	4.007	3.893	9.12
96)	T	1,2,3-Trichlor...	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.25

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	161665	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	295688	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	253619	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	113521	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1906	1.058	ug/l		96
3) Chloromethane	1.294	50	2572	1.119	ug/l		94
4) Vinyl Chloride	1.374	62	2023	0.966	ug/l	#	85
6) Chloroethane	1.666	64	850	1.240	ug/l		90
7) Trichlorofluoromethane	1.861	101	2660	0.968	ug/l		95
8) Diethyl Ether	2.136	74	1086	0.905	ug/l		62
9) 1,1,2-Trichlorotrifluo...	2.313	101	1687	0.972	ug/l		97
12) 1,1-Dichloroethene	2.300	96	1723	1.010	ug/l	#	80
14) Allyl chloride	2.654	41	2945	0.973	ug/l		98
15) Acrylonitrile	3.081	53	4889	4.029	ug/l		96
16) Acetone	2.392	43	5896	5.386	ug/l		98
17) Carbon Disulfide	2.495	76	3450	0.977	ug/l		95
18) Methyl Acetate	2.709	43	3137	0.954	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	6442	0.971	ug/l		99
20) Methylene Chloride	2.788	84	2497	1.167	ug/l		84
21) trans-1,2-Dichloroethene	3.087	96	1808	0.979	ug/l		88
22) Diisopropyl ether	3.776	45	5818	0.931	ug/l		97
23) Vinyl Acetate	3.727	43	21436	4.154	ug/l		98
24) 1,1-Dichloroethane	3.599	63	3565	1.012	ug/l	#	91
25) 2-Butanone	4.593	43	6900	4.150	ug/l		100
26) 2,2-Dichloropropane	4.465	77	3002	1.182	ug/l		94
27) cis-1,2-Dichloroethene	4.489	96	2288	0.994	ug/l		95
28) Bromochloromethane	4.897	49	1656	0.950	ug/l	#	68
29) Tetrahydrofuran	5.032	42	4543	4.185	ug/l	#	84
30) Chloroform	5.093	83	3785	1.005	ug/l	#	81
32) 1,1,1-Trichloroethane	5.373	97	3037	0.959	ug/l	#	48
36) 1,1-Dichloropropene	5.702	75	2670	1.146	ug/l		91
37) Ethyl Acetate	4.757	43	3086m	0.970	ug/l		
38) Carbon Tetrachloride	5.660	117	2731	1.031	ug/l		98
39) Methylcyclohexane	7.379	83	2811	0.941	ug/l	#	87
40) Benzene	6.050	78	7896	1.014	ug/l		97
41) Methacrylonitrile	4.995	41	1539m	0.962	ug/l		
42) 1,2-Dichloroethane	6.098	62	2692	0.939	ug/l		95
43) Isopropyl Acetate	6.367	43	4398	0.874	ug/l		96
44) Trichloroethene	7.135	130	1898	1.028	ug/l		70
45) 1,2-Dichloropropane	7.428	63	1935	1.017	ug/l		99

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	1360	0.931	ug/l		88
47) Bromodichloromethane	7.824	83	2234	0.862	ug/l	#	95
48) Methyl methacrylate	7.708	41	1889	0.804	ug/l	#	84
49) 1,4-Dioxane	7.696	88	959	15.892	ug/l	#	91
51) 4-Methyl-2-Pentanone	8.580	43	12287	3.855	ug/l		97
52) Toluene	8.720	92	4396	0.915	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	2487	0.948	ug/l		90
54) cis-1,3-Dichloropropene	8.366	75	2324	0.807	ug/l	#	87
55) 1,1,2-Trichloroethane	9.159	97	1879	0.927	ug/l	#	85
56) Ethyl methacrylate	9.128	69	2799	0.855	ug/l		92
57) 1,3-Dichloropropane	9.311	76	2929	0.875	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.251	63	6868	4.263	ug/l		93
59) 2-Hexanone	9.445	43	9840	4.082	ug/l		93
60) Dibromochloromethane	9.519	129	1531	0.807	ug/l		92
61) 1,2-Dibromoethane	9.616	107	1856	0.908	ug/l		98
64) Tetrachloroethene	9.275	164	1707	1.075	ug/l	#	82
65) Chlorobenzene	10.079	112	5570	1.056	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1525	0.856	ug/l	#	60
67) Ethyl Benzene	10.195	91	8911	1.015	ug/l		95
68) m/p-Xylenes	10.305	106	6344	1.908	ug/l		96
69) o-Xylene	10.640	106	3125	0.914	ug/l		91
70) Styrene	10.659	104	5108	0.923	ug/l		95
71) Bromoform	10.805	173	1032	0.859	ug/l	#	94
73) Isopropylbenzene	10.963	105	7996	0.985	ug/l		100
74) N-amyl acetate	10.848	43	3739	0.915	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	2747	0.884	ug/l		99
76) 1,2,3-Trichloropropane	11.244	75	2108m	0.799	ug/l		
77) Bromobenzene	11.201	156	2093	1.010	ug/l		98
78) n-propylbenzene	11.305	91	8350	0.966	ug/l		98
79) 2-Chlorotoluene	11.366	91	6183	1.066	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	6268	0.930	ug/l		98
82) 4-Chlorotoluene	11.457	91	6699	1.043	ug/l		95
83) tert-Butylbenzene	11.713	119	6551	0.953	ug/l		94
84) 1,2,4-Trimethylbenzene	11.756	105	6312	0.916	ug/l		95
85) sec-Butylbenzene	11.890	105	7481	0.940	ug/l		99
86) p-Isopropyltoluene	12.012	119	6224	0.944	ug/l		95
87) 1,3-Dichlorobenzene	11.969	146	3734	1.005	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	4352m	1.162	ug/l		
89) n-Butylbenzene	12.335	91	4807	0.899	ug/l		93
90) Hexachloroethane	12.530	117	926	0.868	ug/l		82
91) 1,2-Dichlorobenzene	12.335	146	3719	0.970	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	519	0.785	ug/l		89
93) 1,2,4-Trichlorobenzene	13.591	180	1965	0.876	ug/l		96
94) Hexachlorobutadiene	13.725	225	889	1.119	ug/l		86
95) Naphthalene	13.780	128	7377	0.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	2215	0.943	ug/l		96

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

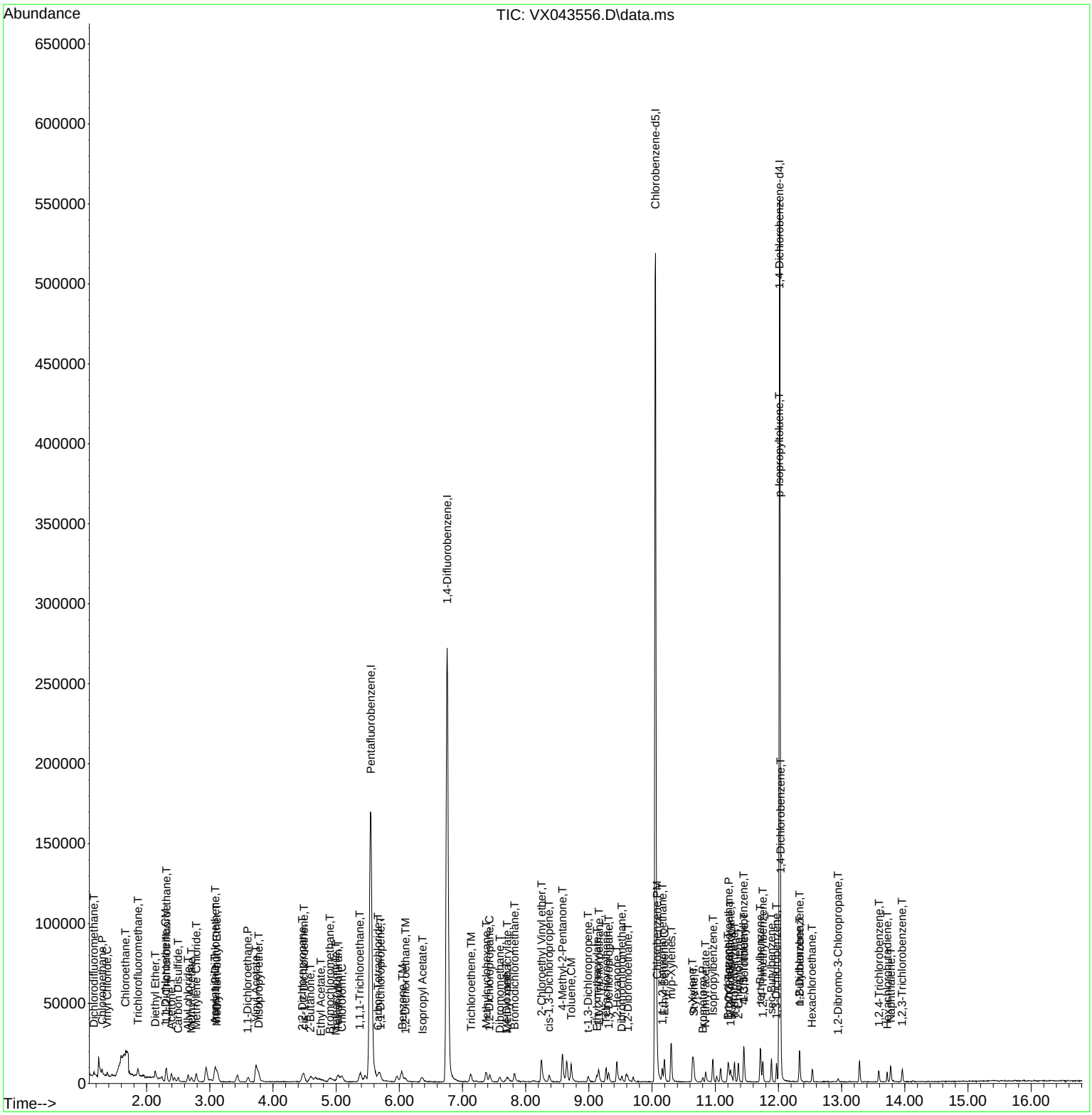
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043556.D
Acq On : 28 Oct 2024 10:59
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:30:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	155093	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	287211	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	250063	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111781	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	13988	5.686	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.380%#			
35) Dibromofluoromethane	5.385	113	10276	5.373	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.740%#			
50) Toluene-d8	8.647	98	36059	5.438	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.880%#			
62) 4-Bromofluorobenzene	11.079	95	12799	5.284	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.560%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	8579	4.962	ug/l		96
3) Chloromethane	1.295	50	10900	4.942	ug/l		95
4) Vinyl Chloride	1.374	62	10451	5.202	ug/l		99
5) Bromomethane	1.599	94	4136	5.271	ug/l		92
6) Chloroethane	1.660	64	3330	5.066	ug/l	#	82
7) Trichlorofluoromethane	1.861	101	12037	4.565	ug/l		96
8) Diethyl Ether	2.136	74	5822	5.055	ug/l		91
9) 1,1,2-Trichlorotrifluo...	2.313	101	8472	5.091	ug/l		98
10) Methyl Iodide	2.441	142	11260	4.886	ug/l		100
11) Tert butyl alcohol	3.038	59	10188	19.389	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	8606	5.260	ug/l		91
13) Acrolein	2.239	56	9609	23.207	ug/l		99
14) Allyl chloride	2.654	41	13656	4.703	ug/l		96
15) Acrylonitrile	3.075	53	25966	22.307	ug/l		99
16) Acetone	2.392	43	24830	23.644	ug/l		99
17) Carbon Disulfide	2.496	76	15112	4.462	ug/l	#	95
18) Methyl Acetate	2.709	43	14366	4.552	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	31411	4.934	ug/l		99
20) Methylene Chloride	2.782	84	10845	5.284	ug/l		98
21) trans-1,2-Dichloroethene	3.087	96	8639	4.877	ug/l		95
22) Diisopropyl ether	3.764	45	30888	5.154	ug/l	#	86
23) Vinyl Acetate	3.721	43	119942	24.227	ug/l		98
24) 1,1-Dichloroethane	3.605	63	17144	5.072	ug/l		98
25) 2-Butanone	4.581	43	35818	22.456	ug/l		98
26) 2,2-Dichloropropane	4.471	77	14180	5.820	ug/l		96
27) cis-1,2-Dichloroethene	4.483	96	11158	5.055	ug/l		98
28) Bromochloromethane	4.904	49	8209	4.909	ug/l		97
29) Tetrahydrofuran	5.026	42	23624	22.684	ug/l		97
30) Chloroform	5.093	83	18141	5.019	ug/l		95
31) Cyclohexane	5.458	56	13335	4.972	ug/l		88
32) 1,1,1-Trichloroethane	5.379	97	14721	4.846	ug/l		98
36) 1,1-Dichloropropene	5.690	75	11382	5.029	ug/l		98
37) Ethyl Acetate	4.733	43	11948	3.868	ug/l	#	94
38) Carbon Tetrachloride	5.672	117	12706	4.940	ug/l		99
39) Methylcyclohexane	7.379	83	14623	5.038	ug/l		94
40) Benzene	6.038	78	40098	5.300	ug/l		99

ICAL Form

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

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	6345	4.083	ug/l	#	81
42) 1,2-Dichloroethane	6.092	62	14018	5.037	ug/l		99
43) Isopropyl Acetate	6.355	43	23242	4.756	ug/l		99
44) Trichloroethene	7.123	130	9917	5.528	ug/l		93
45) 1,2-Dichloropropane	7.434	63	9734	5.268	ug/l		91
46) Dibromomethane	7.586	93	7576	5.337	ug/l		96
47) Bromodichloromethane	7.818	83	11922	4.735	ug/l		99
48) Methyl methacrylate	7.702	41	10543	4.621	ug/l		95
49) 1,4-Dioxane	7.690	88	4322	73.737	ug/l		88
51) 4-Methyl-2-Pentanone	8.580	43	71301	23.028	ug/l		98
52) Toluene	8.720	92	23888	5.121	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	12164	4.773	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	14227	5.084	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	9807	4.982	ug/l		97
56) Ethyl methacrylate	9.122	69	14989	4.712	ug/l		99
57) 1,3-Dichloropropane	9.311	76	16567	5.097	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.245	63	36952	23.613	ug/l		98
59) 2-Hexanone	9.439	43	52944	22.614	ug/l		99
60) Dibromochloromethane	9.519	129	8314	4.514	ug/l		96
61) 1,2-Dibromoethane	9.610	107	10094	5.087	ug/l		98
64) Tetrachloroethene	9.275	164	8068	5.154	ug/l		91
65) Chlorobenzene	10.080	112	27763	5.337	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	8622	4.907	ug/l		96
67) Ethyl Benzene	10.195	91	44094	5.095	ug/l		98
68) m/p-Xylenes	10.299	106	33988	10.367	ug/l		96
69) o-Xylene	10.640	106	17462	5.181	ug/l		98
70) Styrene	10.659	104	26381	4.836	ug/l		96
71) Bromoform	10.799	173	5147	4.345	ug/l	#	98
73) Isopropylbenzene	10.964	105	41185	5.155	ug/l		99
74) N-amyl acetate	10.848	43	19116	4.750	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	15141	4.947	ug/l		95
76) 1,2,3-Trichloropropane	11.238	75	13527m	5.206	ug/l		
77) Bromobenzene	11.201	156	10564	5.179	ug/l		97
78) n-propylbenzene	11.305	91	42687	5.013	ug/l		99
79) 2-Chlorotoluene	11.366	91	29923	5.237	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	34706	5.232	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	3243	3.808	ug/l	#	82
82) 4-Chlorotoluene	11.457	91	32648	5.163	ug/l		98
83) tert-Butylbenzene	11.713	119	34653	5.122	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	34775	5.125	ug/l		98
85) sec-Butylbenzene	11.890	105	39786	5.078	ug/l		99
86) p-Isopropyltoluene	12.006	119	33359	5.139	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	18951	5.178	ug/l		98
88) 1,4-Dichlorobenzene	12.043	146	19222	5.210	ug/l		93
89) n-Butylbenzene	12.329	91	24922	4.736	ug/l		98
90) Hexachloroethane	12.536	117	4704	4.480	ug/l		91
91) 1,2-Dichlorobenzene	12.335	146	19394	5.139	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	2456	3.771	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	11267	5.098	ug/l		98
94) Hexachlorobutadiene	13.725	225	4097	5.239	ug/l		96
95) Naphthalene	13.774	128	41834	4.613	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	11815	5.110	ug/l		96

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

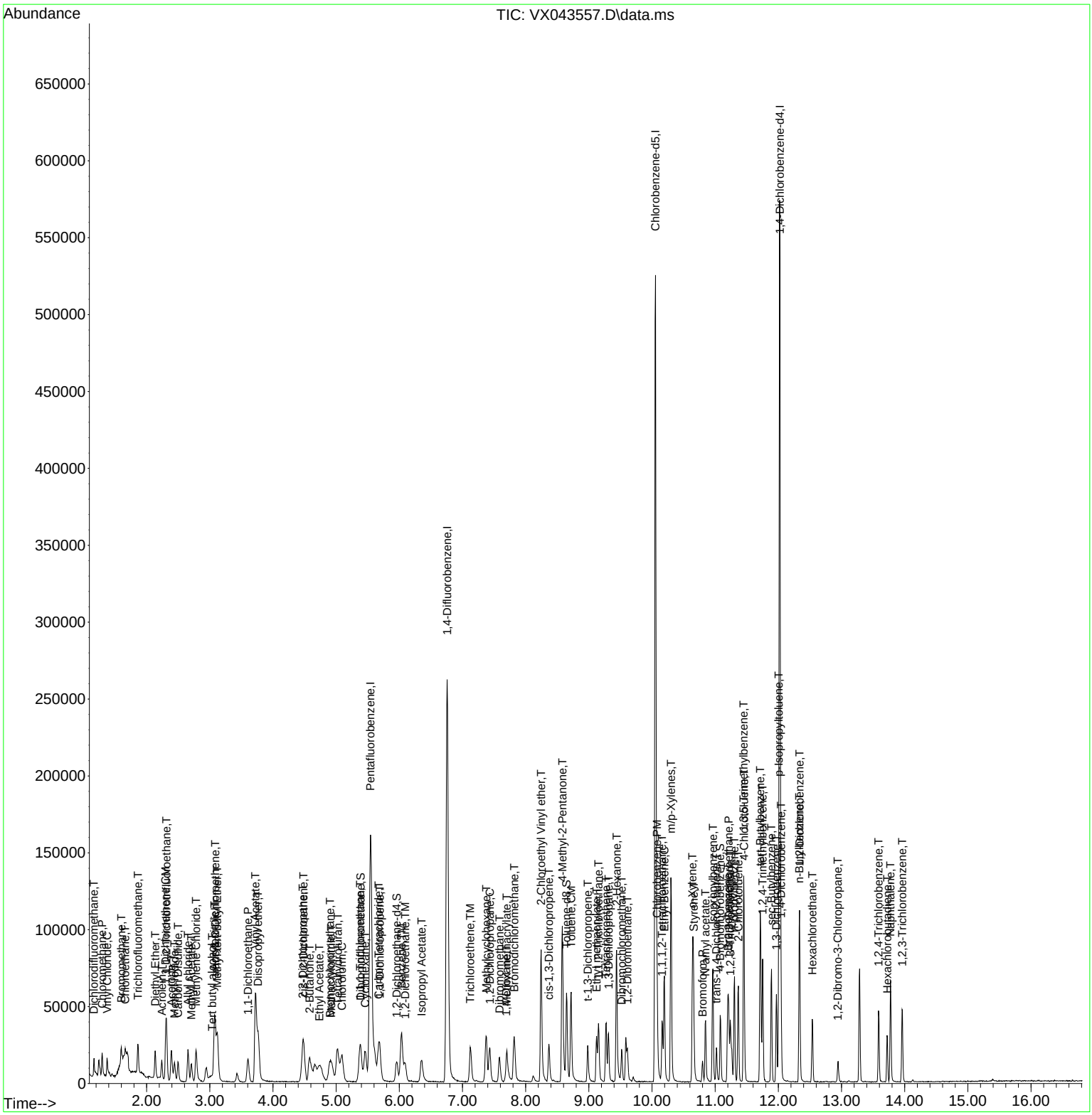
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043557.D
Acq On : 28 Oct 2024 11:22
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:30:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	159966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	291315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	254622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	119710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	50818	20.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.060%#		
35) Dibromofluoromethane	5.385	113	39238	20.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.460%#		
50) Toluene-d8	8.647	98	140572	20.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.800%#		
62) 4-Bromofluorobenzene	11.079	95	50243	20.452	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.900%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35334	19.816	ug/l	97
3) Chloromethane	1.294	50	43361	19.061	ug/l	99
4) Vinyl Chloride	1.374	62	40804	19.692	ug/l	99
5) Bromomethane	1.599	94	15764	19.478	ug/l	94
6) Chloroethane	1.666	64	13552	19.988	ug/l	100
7) Trichlorofluoromethane	1.861	101	45410	16.698	ug/l	99
8) Diethyl Ether	2.136	74	22721	19.128	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	33400	19.458	ug/l	98
10) Methyl Iodide	2.441	142	48753	20.510	ug/l	97
11) Tert butyl alcohol	3.050	59	42004m	77.502	ug/l	
12) 1,1-Dichloroethene	2.300	96	33343	19.757	ug/l	98
13) Acrolein	2.239	56	38776	90.794	ug/l	99
14) Allyl chloride	2.654	41	57560	19.220	ug/l	99
15) Acrylonitrile	3.075	53	105959	88.256	ug/l	98
16) Acetone	2.398	43	93987	86.771	ug/l	99
17) Carbon Disulfide	2.495	76	64452	18.450	ug/l	100
18) Methyl Acetate	2.709	43	56319	17.301	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	130430	19.863	ug/l	96
20) Methylene Chloride	2.782	84	42392	20.027	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	36925	20.210	ug/l	97
22) Diisopropyl ether	3.770	45	126839	20.521	ug/l	93
23) Vinyl Acetate	3.721	43	514244	100.709	ug/l	99
24) 1,1-Dichloroethane	3.605	63	70569	20.241	ug/l	98
25) 2-Butanone	4.574	43	146114	88.817	ug/l	98
26) 2,2-Dichloropropane	4.465	77	57622	22.931	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	45798	20.118	ug/l	99
28) Bromochloromethane	4.897	49	33980	19.701	ug/l	100
29) Tetrahydrofuran	5.013	42	95553	88.955	ug/l	100
30) Chloroform	5.086	83	74554	19.996	ug/l	95
31) Cyclohexane	5.464	56	56622	20.469	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	62556	19.966	ug/l	98
36) 1,1-Dichloropropene	5.684	75	47520	20.699	ug/l	99
37) Ethyl Acetate	4.727	43	58054	18.528	ug/l	100
38) Carbon Tetrachloride	5.666	117	49282	18.891	ug/l	96
39) Methylcyclohexane	7.373	83	59999	20.379	ug/l	98
40) Benzene	6.031	78	161123	20.995	ug/l	100

ICAL Form

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

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	30325	19.241	ug/l		95
42) 1,2-Dichloroethane	6.086	62	58281	20.645	ug/l		99
43) Isopropyl Acetate	6.348	43	92676	18.698	ug/l		98
44) Trichloroethene	7.123	130	39344	21.623	ug/l		94
45) 1,2-Dichloropropane	7.427	63	37857	20.200	ug/l		93
46) Dibromomethane	7.580	93	30097	20.905	ug/l		99
47) Bromodichloromethane	7.824	83	50694	19.849	ug/l		100
48) Methyl methacrylate	7.696	41	45592	19.703	ug/l		99
49) 1,4-Dioxane	7.683	88	15361	258.381	ug/l	#	75
51) 4-Methyl-2-Pentanone	8.580	43	295125	93.974	ug/l		100
52) Toluene	8.720	92	100958	21.337	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	56483	21.853	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	62338	21.962	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	40197	20.132	ug/l		99
56) Ethyl methacrylate	9.116	69	65359	20.255	ug/l		97
57) 1,3-Dichloropropane	9.305	76	68675	20.831	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	167179	105.324	ug/l		98
59) 2-Hexanone	9.433	43	221604	93.320	ug/l		100
60) Dibromochloromethane	9.519	129	38713	20.721	ug/l		99
61) 1,2-Dibromoethane	9.610	107	42059	20.896	ug/l		97
64) Tetrachloroethene	9.269	164	33267	20.871	ug/l		90
65) Chlorobenzene	10.079	112	110251	20.814	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	35663	19.934	ug/l		98
67) Ethyl Benzene	10.189	91	183192	20.790	ug/l		98
68) m/p-Xylenes	10.299	106	144291	43.222	ug/l		96
69) o-Xylene	10.640	106	71049	20.704	ug/l		98
70) Styrene	10.652	104	119564	21.527	ug/l		100
71) Bromoform	10.799	173	23453	19.445	ug/l	#	98
73) Isopropylbenzene	10.963	105	177401	20.733	ug/l		99
74) N-amyl acetate	10.841	43	83132	19.288	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	63016	19.225	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	55850m	20.069	ug/l		
77) Bromobenzene	11.195	156	44364	20.310	ug/l		98
78) n-propylbenzene	11.305	91	194707	21.351	ug/l		100
79) 2-Chlorotoluene	11.366	91	126983	20.753	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	149254	21.008	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	17057	18.703	ug/l		96
82) 4-Chlorotoluene	11.451	91	140875	20.804	ug/l		98
83) tert-Butylbenzene	11.713	119	150766	20.809	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	152608	21.002	ug/l		99
85) sec-Butylbenzene	11.890	105	178042	21.218	ug/l		98
86) p-Isopropyltoluene	12.006	119	149537	21.511	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	78867	20.122	ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	81095	20.525	ug/l		99
89) n-Butylbenzene	12.329	91	120461	21.375	ug/l		99
90) Hexachloroethane	12.536	117	22769	20.246	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	81283	20.112	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	17.603	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	47851	20.219	ug/l		99
94) Hexachlorobutadiene	13.725	225	18082	21.589	ug/l		97
95) Naphthalene	13.774	128	191837	19.754	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	51568	20.826	ug/l		99

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

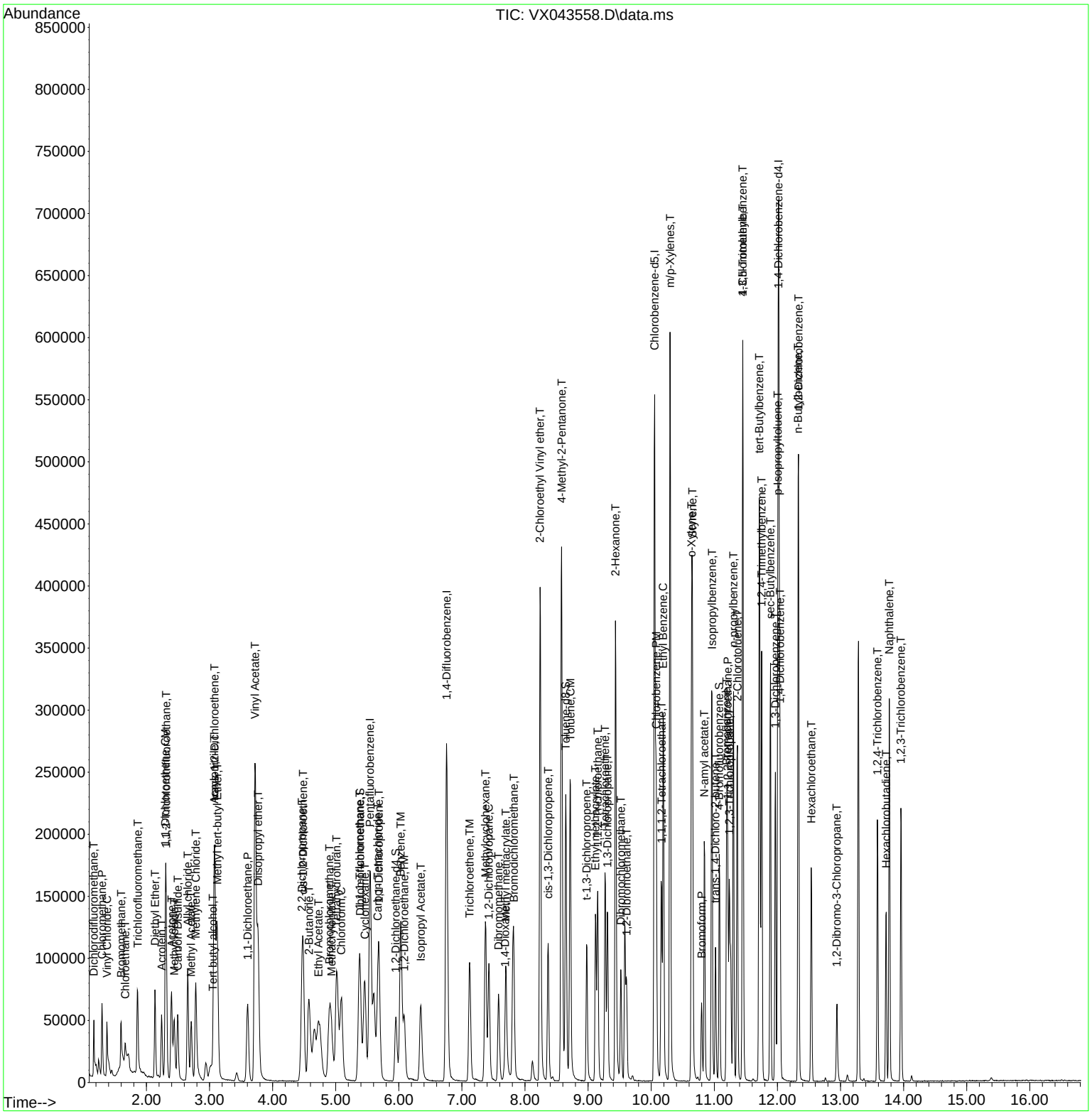
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043558.D
Acq On : 28 Oct 2024 11:45
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	148919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	270771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116854	49.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.940%			
35) Dibromofluoromethane	5.379	113	91079	50.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	8.647	98	318252	50.907	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.820%			
62) 4-Bromofluorobenzene	11.079	95	120225	52.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	75417	45.433	ug/l	96
3) Chloromethane	1.294	50	96896	45.755	ug/l	99
4) Vinyl Chloride	1.374	62	94488	48.982	ug/l	99
5) Bromomethane	1.593	94	38969	51.722	ug/l	98
6) Chloroethane	1.666	64	33540	53.137	ug/l	99
7) Trichlorofluoromethane	1.867	101	116013	45.825	ug/l	98
8) Diethyl Ether	2.136	74	52937	47.871	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	78193	48.932	ug/l	99
10) Methyl Iodide	2.440	142	116521	52.655	ug/l	99
11) Tert butyl alcohol	3.014	59	116081m	230.069	ug/l	
12) 1,1-Dichloroethene	2.306	96	79758	50.765	ug/l	93
13) Acrolein	2.239	56	80960	203.631	ug/l	98
14) Allyl chloride	2.654	41	141976	50.925	ug/l	98
15) Acrylonitrile	3.068	53	259325	232.022	ug/l	100
16) Acetone	2.392	43	232587	230.659	ug/l	100
17) Carbon Disulfide	2.501	76	168807	51.908	ug/l	100
18) Methyl Acetate	2.709	43	137905	45.505	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	309762	50.673	ug/l	98
20) Methylene Chloride	2.782	84	98700	50.086	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	83735	49.229	ug/l	98
22) Diisopropyl ether	3.763	45	290506	50.487	ug/l	97
23) Vinyl Acetate	3.721	43	1256555	264.336	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165218	50.903	ug/l	98
25) 2-Butanone	4.568	43	359526	234.753	ug/l	100
26) 2,2-Dichloropropane	4.465	77	132434	56.613	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	110158	51.979	ug/l	99
28) Bromochloromethane	4.897	49	75534	47.042	ug/l	98
29) Tetrahydrofuran	5.013	42	230616	230.617	ug/l	100
30) Chloroform	5.086	83	173217	49.905	ug/l	97
31) Cyclohexane	5.464	56	124896	48.500	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	146876	50.355	ug/l	98
36) 1,1-Dichloropropene	5.690	75	105059	49.233	ug/l	98
37) Ethyl Acetate	4.714	43	136901	47.008	ug/l	99
38) Carbon Tetrachloride	5.672	117	120318	49.620	ug/l	98
39) Methylcyclohexane	7.379	83	138062	50.451	ug/l	95
40) Benzene	6.031	78	366906	51.436	ug/l	100

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73294	50.034	ug/l		96
42) 1,2-Dichloroethane	6.086	62	133953	51.050	ug/l		99
43) Isopropyl Acetate	6.342	43	226323	49.127	ug/l		99
44) Trichloroethene	7.123	130	91422	54.057	ug/l		91
45) 1,2-Dichloropropane	7.427	63	91389	52.464	ug/l		99
46) Dibromomethane	7.580	93	70386	52.600	ug/l		98
47) Bromodichloromethane	7.818	83	129022	54.350	ug/l		95
48) Methyl methacrylate	7.696	41	108981	50.670	ug/l		99
49) 1,4-Dioxane	7.671	88	44516	805.596	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	710786	243.501	ug/l		99
52) Toluene	8.714	92	227004	51.617	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	137951	57.422	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	147056	55.739	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	96225	51.848	ug/l		99
56) Ethyl methacrylate	9.116	69	159817	53.285	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159890	52.178	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	362792	245.903	ug/l		98
59) 2-Hexanone	9.433	43	541763	245.453	ug/l		99
60) Dibromochloromethane	9.518	129	99435	57.260	ug/l		99
61) 1,2-Dibromoethane	9.610	107	99405	53.133	ug/l		98
64) Tetrachloroethene	9.275	164	73551	49.296	ug/l		94
65) Chlorobenzene	10.079	112	256218	51.676	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	88746	52.993	ug/l		99
67) Ethyl Benzene	10.195	91	423515	51.347	ug/l		98
68) m/p-Xylenes	10.299	106	329261	105.366	ug/l		98
69) o-Xylene	10.640	106	164266	51.137	ug/l		99
70) Styrene	10.652	104	281883	54.218	ug/l		99
71) Bromoform	10.799	173	65582	58.090	ug/l	#	99
73) Isopropylbenzene	10.963	105	408411	49.811	ug/l		100
74) N-amyl acetate	10.841	43	203333	49.234	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	148153	47.168	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	122864m	46.074	ug/l		
77) Bromobenzene	11.195	156	106088	50.684	ug/l		100
78) n-propylbenzene	11.305	91	457180	52.320	ug/l		99
79) 2-Chlorotoluene	11.366	91	288711	49.242	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	348498	51.192	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	47974	54.897	ug/l		95
82) 4-Chlorotoluene	11.451	91	331765	51.131	ug/l		97
83) tert-Butylbenzene	11.713	119	348856	50.250	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	355522	51.061	ug/l		100
85) sec-Butylbenzene	11.890	105	417787	51.960	ug/l		100
86) p-Isopropyltoluene	12.006	119	358049	53.750	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	188818	50.274	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	189658	50.095	ug/l		100
89) n-Butylbenzene	12.329	91	299842	55.523	ug/l		100
90) Hexachloroethane	12.536	117	59554	55.265	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	198010	51.130	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	32185	48.159	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	123940	54.653	ug/l		99
94) Hexachlorobutadiene	13.725	225	42766	53.286	ug/l		97
95) Naphthalene	13.774	128	473262	50.857	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	126296	53.229	ug/l		99

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

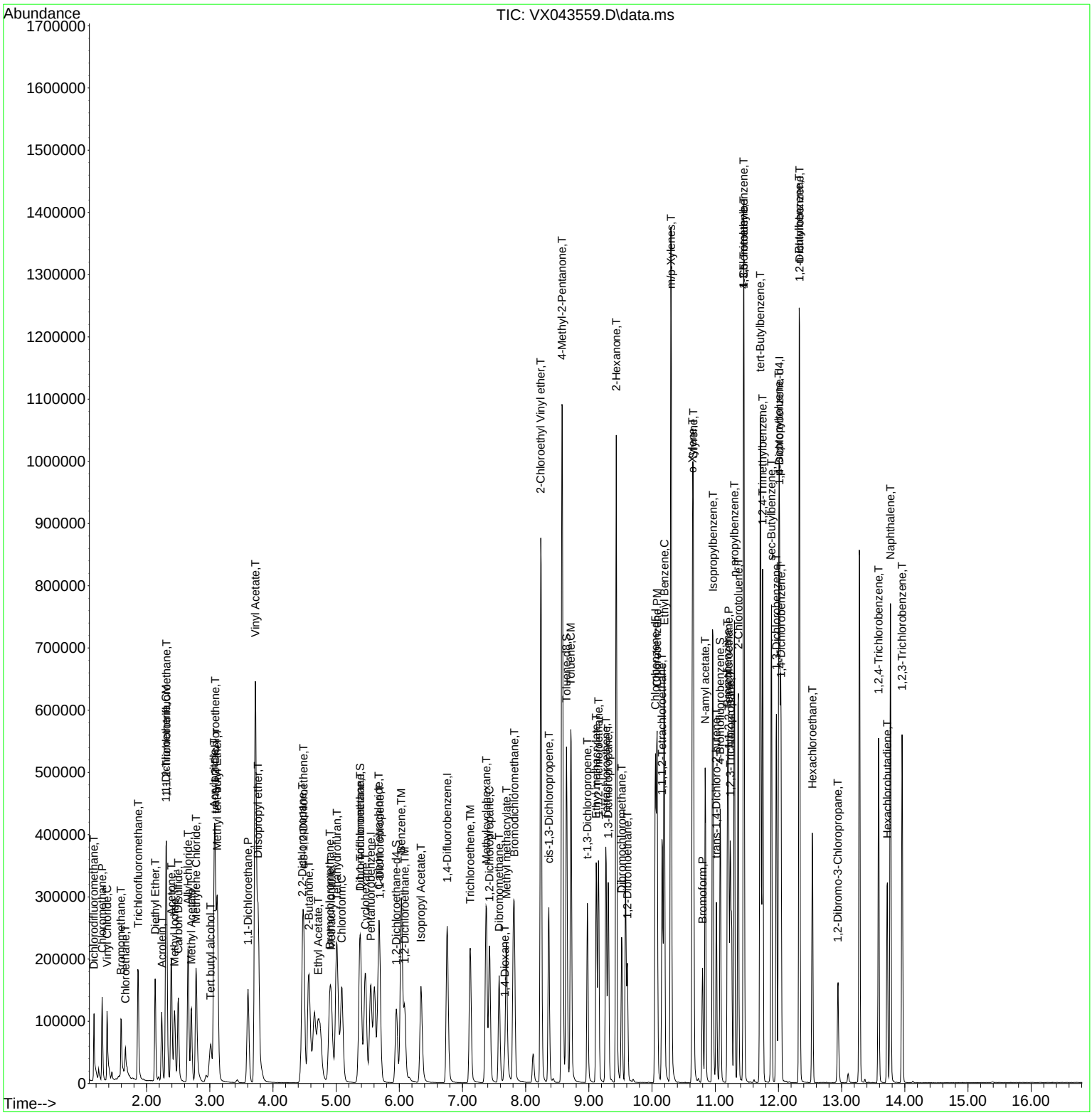
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043559.D
Acq On : 28 Oct 2024 12:08
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	265513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	222471	97.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.340%#			
35) Dibromofluoromethane	5.379	113	181437	102.625	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.240%#			
50) Toluene-d8	8.647	98	615421	100.391	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.780%#			
62) 4-Bromofluorobenzene	11.079	95	233193	104.146	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 208.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	150686	93.662	ug/l	95
3) Chloromethane	1.294	50	191165	93.138	ug/l	99
4) Vinyl Chloride	1.374	62	185746	99.351	ug/l	99
5) Bromomethane	1.593	94	75100	102.844	ug/l	99
6) Chloroethane	1.660	64	62560	102.264	ug/l	97
7) Trichlorofluoromethane	1.861	101	244340	99.580	ug/l	99
8) Diethyl Ether	2.136	74	109025	101.725	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	155594	100.462	ug/l	98
10) Methyl Iodide	2.440	142	227894	106.257	ug/l	99
11) Tert butyl alcohol	3.038	59	245468	501.973	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	160565	105.446	ug/l	96
13) Acrolein	2.239	56	168697	437.793	ug/l	99
14) Allyl chloride	2.654	41	289621	107.186	ug/l	97
15) Acrylonitrile	3.068	53	518888	479.012	ug/l	100
16) Acetone	2.392	43	452601	463.114	ug/l	100
17) Carbon Disulfide	2.495	76	378228	120.001	ug/l	100
18) Methyl Acetate	2.709	43	272708	92.847	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	602114	101.628	ug/l	99
20) Methylene Chloride	2.782	84	191848	100.449	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	171404	103.973	ug/l	97
22) Diisopropyl ether	3.763	45	560616	100.525	ug/l	94
23) Vinyl Acetate	3.721	43	2462441	534.476	ug/l	98
24) 1,1-Dichloroethane	3.605	63	327525	104.117	ug/l	99
25) 2-Butanone	4.562	43	698547	470.613	ug/l	98
26) 2,2-Dichloropropane	4.471	77	267036	117.781	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	215682	105.006	ug/l	99
28) Bromochloromethane	4.897	49	157450	101.175	ug/l	99
29) Tetrahydrofuran	5.013	42	449999	464.302	ug/l	99
30) Chloroform	5.092	83	336574	100.052	ug/l	98
31) Cyclohexane	5.458	56	247431	99.138	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	294454	104.159	ug/l	99
36) 1,1-Dichloropropene	5.684	75	212326	101.472	ug/l	98
37) Ethyl Acetate	4.714	43	266903	93.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	246999	103.882	ug/l	100
39) Methylcyclohexane	7.373	83	272092	101.398	ug/l	98
40) Benzene	6.031	78	707594	101.161	ug/l	100

ICAL Form

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

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	143117	99.633	ug/l		96
42) 1,2-Dichloroethane	6.086	62	259548	100.874	ug/l		100
43) Isopropyl Acetate	6.342	43	448588	99.301	ug/l		99
44) Trichloroethene	7.123	130	180958	109.118	ug/l		96
45) 1,2-Dichloropropane	7.427	63	176748	103.475	ug/l		99
46) Dibromomethane	7.580	93	138874	105.836	ug/l		99
47) Bromodichloromethane	7.818	83	262652	112.832	ug/l		97
48) Methyl methacrylate	7.696	41	218800	103.744	ug/l		99
49) 1,4-Dioxane	7.677	88	102152	1885.231	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1374233	480.107	ug/l		99
52) Toluene	8.714	92	441311	102.334	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	279431	118.617	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	297464	114.982	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	183182	100.657	ug/l		99
56) Ethyl methacrylate	9.116	69	312479	106.248	ug/l		96
57) 1,3-Dichloropropane	9.305	76	305650	101.720	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	741765	512.729	ug/l		98
59) 2-Hexanone	9.433	43	1039956	480.496	ug/l		98
60) Dibromochloromethane	9.518	129	205615	120.749	ug/l		99
61) 1,2-Dibromoethane	9.610	107	196009	106.844	ug/l		97
64) Tetrachloroethene	9.269	164	142187	98.420	ug/l		99
65) Chlorobenzene	10.079	112	498984	103.935	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	175902	108.478	ug/l		99
67) Ethyl Benzene	10.195	91	828264	103.708	ug/l		100
68) m/p-Xylenes	10.299	106	638308	210.954	ug/l		97
69) o-Xylene	10.640	106	322030	103.533	ug/l		98
70) Styrene	10.652	104	548708	108.997	ug/l		99
71) Bromoform	10.799	173	140298	128.340	ug/l	#	99
73) Isopropylbenzene	10.963	105	796019	99.313	ug/l		100
74) N-amyl acetate	10.841	43	398918	98.808	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	286258	93.228	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	233884m	89.719	ug/l		
77) Bromobenzene	11.195	156	206774	101.054	ug/l		99
78) n-propylbenzene	11.305	91	894162	104.676	ug/l		99
79) 2-Chlorotoluene	11.366	91	560554	97.800	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	669305	100.572	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	100171	117.256	ug/l		90
82) 4-Chlorotoluene	11.451	91	647524	102.085	ug/l		98
83) tert-Butylbenzene	11.713	119	688015	101.376	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	684269	100.532	ug/l		99
85) sec-Butylbenzene	11.890	105	808247	102.828	ug/l		98
86) p-Isopropyltoluene	12.006	119	703703	108.063	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	370986	101.044	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	371529	100.386	ug/l		99
89) n-Butylbenzene	12.329	91	602601	114.147	ug/l		99
90) Hexachloroethane	12.536	117	125658	119.283	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	375640	99.223	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	65340	100.012	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	246552	111.215	ug/l		100
94) Hexachlorobutadiene	13.725	225	87749	111.843	ug/l		98
95) Naphthalene	13.774	128	948508	104.267	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	256915	110.764	ug/l		100

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

ICAL Form

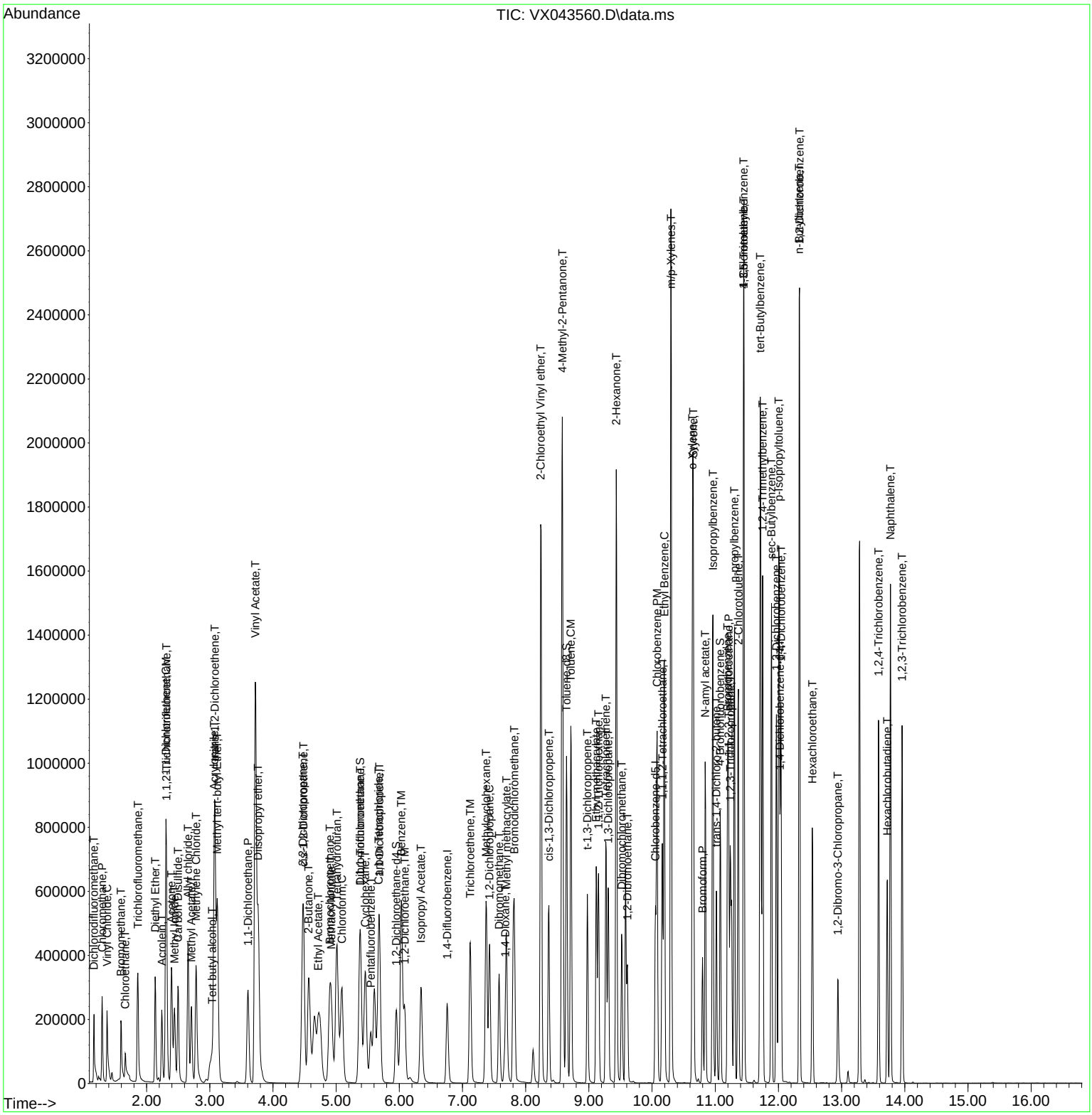
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043560.D
Acq On : 28 Oct 2024 12:31
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

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

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	144618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	264800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	318806	138.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 277.940%#			
35) Dibromofluoromethane	5.385	113	256339	145.381	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 290.760%#			
50) Toluene-d8	8.647	98	851731	139.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 278.620%#			
62) 4-Bromofluorobenzene	11.079	95	329323	147.475	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 294.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	210421	130.533	ug/l	99
3) Chloromethane	1.295	50	265669	129.182	ug/l	100
4) Vinyl Chloride	1.374	62	256442	136.893	ug/l	98
5) Bromomethane	1.593	94	112014	153.092	ug/l	95
6) Chloroethane	1.660	64	90954	148.384	ug/l	100
7) Trichlorofluoromethane	1.861	101	310596	126.333	ug/l	100
8) Diethyl Ether	2.136	74	151359	140.945	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	212838	137.151	ug/l	99
10) Methyl Iodide	2.441	142	315072	146.614	ug/l	98
11) Tert butyl alcohol	3.026	59	337112	688.018	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	222500	145.831	ug/l	96
13) Acrolein	2.239	56	241097	624.444	ug/l	98
14) Allyl chloride	2.654	41	395090	145.930	ug/l	98
15) Acrylonitrile	3.069	53	736707	678.747	ug/l	99
16) Acetone	2.392	43	639840	653.408	ug/l	99
17) Carbon Disulfide	2.495	76	532448	168.596	ug/l	99
18) Methyl Acetate	2.709	43	392340	133.313	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	867383	146.111	ug/l	97
20) Methylene Chloride	2.782	84	274424	143.401	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	236759	143.334	ug/l	97
22) Diisopropyl ether	3.764	45	790777	141.515	ug/l	96
23) Vinyl Acetate	3.721	43	3509530	760.241	ug/l	99
24) 1,1-Dichloroethane	3.605	63	454844	144.305	ug/l	99
25) 2-Butanone	4.568	43	995055	669.046	ug/l	99
26) 2,2-Dichloropropane	4.471	77	367692	161.856	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	306808	149.076	ug/l	98
28) Bromochloromethane	4.898	49	223906	143.593	ug/l	99
29) Tetrahydrofuran	5.013	42	639748	658.777	ug/l	99
30) Chloroform	5.093	83	471770	139.964	ug/l	99
31) Cyclohexane	5.458	56	333317	133.285	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	407373	143.818	ug/l	99
36) 1,1-Dichloropropene	5.684	75	292944	140.377	ug/l	99
37) Ethyl Acetate	4.721	43	384683	135.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	340536	143.607	ug/l	98
39) Methylcyclohexane	7.379	83	375923	140.469	ug/l	98
40) Benzene	6.031	78	989523	141.848	ug/l	98

ICAL Form

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

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	203044	141.732	ug/l		96
42) 1,2-Dichloroethane	6.086	62	370244	144.284	ug/l		99
43) Isopropyl Acetate	6.342	43	646810	143.566	ug/l		99
44) Trichloroethene	7.123	130	251726	152.200	ug/l		96
45) 1,2-Dichloropropane	7.428	63	254281	149.267	ug/l		99
46) Dibromomethane	7.580	93	200317	153.073	ug/l		98
47) Bromodichloromethane	7.818	83	379264	163.366	ug/l		99
48) Methyl methacrylate	7.696	41	320841	152.537	ug/l		98
49) 1,4-Dioxane	7.671	88	113004	2091.122	ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	1948870	682.697	ug/l		99
52) Toluene	8.714	92	611241	142.120	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	405296	172.509	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	426054	165.131	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	259723	143.100	ug/l		99
56) Ethyl methacrylate	9.116	69	449693	153.315	ug/l		97
57) 1,3-Dichloropropane	9.305	76	437811	146.096	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1091414	756.448	ug/l		98
59) 2-Hexanone	9.433	43	1462736	677.655	ug/l		98
60) Dibromochloromethane	9.519	129	299138	176.144	ug/l		99
61) 1,2-Dibromoethane	9.610	107	275091	150.355	ug/l		99
64) Tetrachloroethene	9.269	164	198596	136.289	ug/l		95
65) Chlorobenzene	10.080	112	703451	145.269	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	250797	153.341	ug/l		100
67) Ethyl Benzene	10.195	91	1141257	141.675	ug/l		100
68) m/p-Xylenes	10.299	106	878867	287.969	ug/l		97
69) o-Xylene	10.640	106	450386	143.559	ug/l		98
70) Styrene	10.653	104	777762	153.173	ug/l		100
71) Bromoform	10.799	173	207497	188.187	ug/l	#	97
73) Isopropylbenzene	10.964	105	1088275	135.577	ug/l		99
74) N-amyl acetate	10.842	43	575386	142.309	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	402017	130.738	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	335384m	128.467	ug/l		
77) Bromobenzene	11.195	156	285385	139.269	ug/l		98
78) n-propylbenzene	11.305	91	1224689	143.160	ug/l		99
79) 2-Chlorotoluene	11.366	91	773459	134.748	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	914265	137.180	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	145480	170.044	ug/l		91
82) 4-Chlorotoluene	11.451	91	893567	140.669	ug/l		97
83) tert-Butylbenzene	11.713	119	935627	137.660	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	953082	139.821	ug/l		100
85) sec-Butylbenzene	11.890	105	1112980	141.391	ug/l		98
86) p-Isopropyltoluene	12.006	119	958987	147.051	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	521523	141.838	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	522586	140.994	ug/l		99
89) n-Butylbenzene	12.329	91	830990	157.180	ug/l		99
90) Hexachloroethane	12.536	117	179474	170.120	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	534157	140.889	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	94746	144.811	ug/l		92
93) 1,2,4-Trichlorobenzene	13.585	180	354426	159.641	ug/l		99
94) Hexachlorobutadiene	13.725	225	118245	150.492	ug/l		98
95) Naphthalene	13.774	128	1350122	148.198	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	363960	156.686	ug/l		99

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

ICAL Form

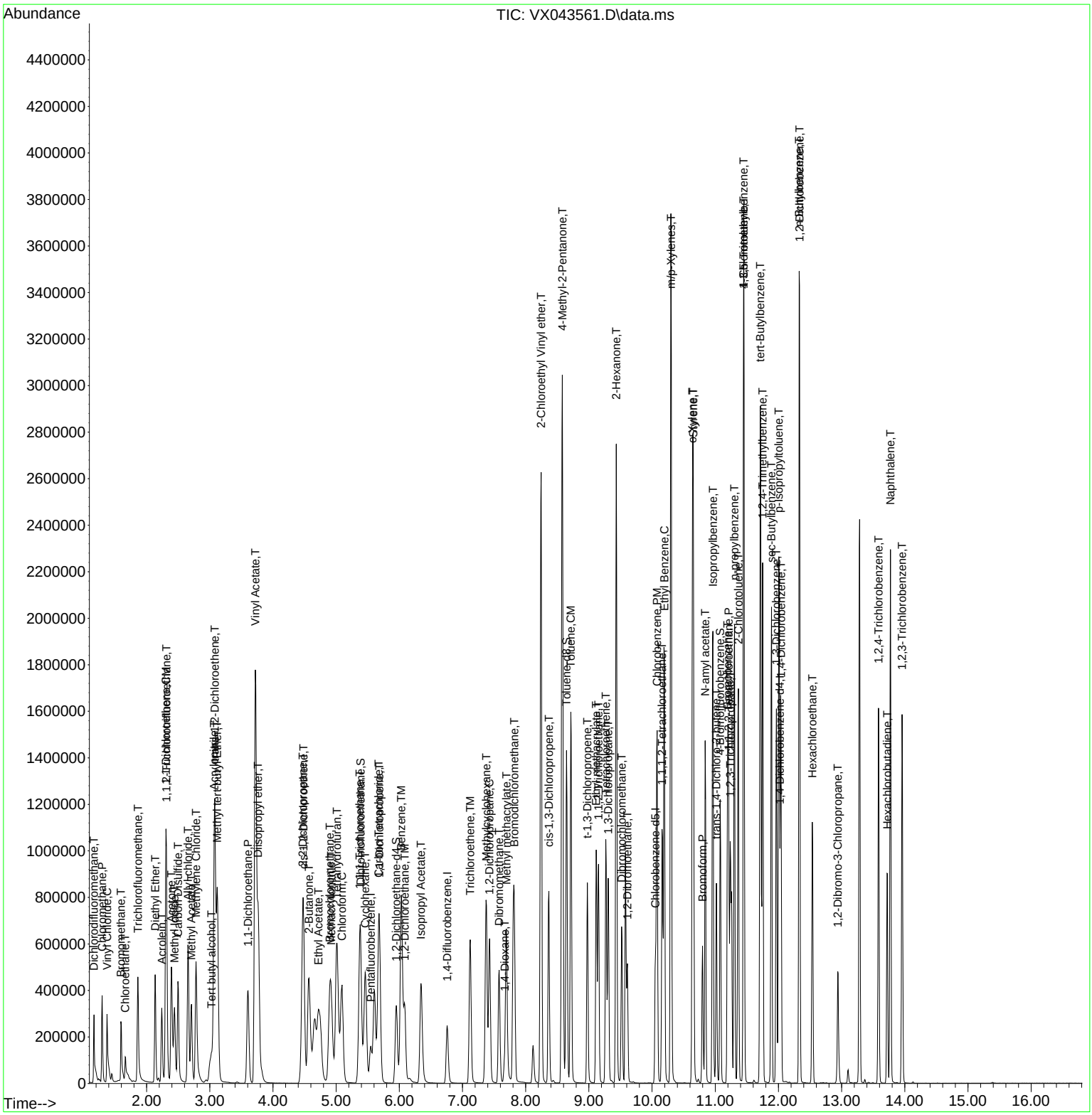
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043561.D
Acq On : 28 Oct 2024 12:54
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 13:31:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:29:33 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Quantitation Report (QT Reviewed)

ICAL Form

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

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.550	168	179424	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	320605	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	273282	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130429	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	130207	45.512	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.020%				
35) Dibromofluoromethane	5.385	113	103607	47.657	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.320%				
50) Toluene-d8	8.647	98	364696	48.461	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.920%				
62) 4-Bromofluorobenzene	11.079	95	134767	48.327	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.660%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	81674	42.565	ug/l		94
3) Chloromethane	1.294	50	101631	41.434	ug/l		99
4) Vinyl Chloride	1.374	62	99612	43.758	ug/l		96
5) Bromomethane	1.593	94	38610	41.604	ug/l		98
6) Chloroethane	1.660	64	32071	39.988	ug/l		96
7) Trichlorofluoromethane	1.855	101	128270	46.124	ug/l		96
8) Diethyl Ether	2.136	74	55490	43.186	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.306	101	83899	44.609	ug/l		98
10) Methyl Iodide	2.441	142	121643	44.767	ug/l		99
11) Tert butyl alcohol	3.044	59	122504	229.410	ug/l	#	100
12) 1,1-Dichloroethene	2.300	96	86406	44.957	ug/l		95
13) Acrolein	2.239	56	91162	218.298	ug/l		99
14) Allyl chloride	2.654	41	151352	45.529	ug/l		99
15) Acrylonitrile	3.069	53	266930	221.401	ug/l		98
16) Acetone	2.398	43	254666	224.158	ug/l		99
17) Carbon Disulfide	2.495	76	190995	47.524	ug/l		99
18) Methyl Acetate	2.709	43	140984	42.460	ug/l		98
19) Methyl tert-butyl Ether	3.123	73	317078	43.380	ug/l		97
20) Methylene Chloride	2.782	84	101646	41.513	ug/l		98
21) trans-1,2-Dichloroethene	3.081	96	89643	44.148	ug/l		96
22) Diisopropyl ether	3.764	45	300804	43.777	ug/l		97
23) Vinyl Acetate	3.721	43	1302117	229.380	ug/l		99
24) 1,1-Dichloroethane	3.605	63	172319	43.633	ug/l		100
25) 2-Butanone	4.568	43	368994	222.655	ug/l		100
26) 2,2-Dichloropropane	4.465	77	148949	46.075	ug/l		100
27) cis-1,2-Dichloroethene	4.483	96	113181	43.635	ug/l		98
28) Bromochloromethane	4.891	49	80045	42.606	ug/l		99
29) Tetrahydrofuran	5.007	42	235105	218.299	ug/l		99
30) Chloroform	5.086	83	180585	43.621	ug/l		95
31) Cyclohexane	5.458	56	133601	44.229	ug/l		99
32) 1,1,1-Trichloroethane	5.379	97	157829	45.409	ug/l		99
36) 1,1-Dichloropropene	5.684	75	115808	44.924	ug/l		99
37) Ethyl Acetate	4.721	43	146662	46.862	ug/l		99
38) Carbon Tetrachloride	5.672	117	131275	46.088	ug/l		98
39) Methylcyclohexane	7.373	83	146003	45.618	ug/l		97
40) Benzene	6.031	78	379529	44.132	ug/l		100

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	73439	44.704	ug/l		94
42) 1,2-Dichloroethane	6.080	62	137504	44.475	ug/l		99
43) Isopropyl Acetate	6.342	43	233162	45.049	ug/l		99
44) Trichloroethene	7.123	130	95769	44.826	ug/l		95
45) 1,2-Dichloropropane	7.428	63	94807	44.772	ug/l		98
46) Dibromomethane	7.580	93	71516	43.863	ug/l		98
47) Bromodichloromethane	7.818	83	134816	47.134	ug/l		100
48) Methyl methacrylate	7.696	41	113455	46.235	ug/l		100
49) 1,4-Dioxane	7.677	88	52802	1047.352	ug/l		98
51) 4-Methyl-2-Pentanone	8.580	43	723604	229.383	ug/l		99
52) Toluene	8.714	92	239913	46.000	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	143840	46.821	ug/l		94
54) cis-1,3-Dichloropropene	8.366	75	156936	47.945	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	97965	45.125	ug/l		99
56) Ethyl methacrylate	9.116	69	161309	45.728	ug/l		98
57) 1,3-Dichloropropane	9.305	76	159880	44.279	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	384698	225.175	ug/l		98
59) 2-Hexanone	9.433	43	551262	230.086	ug/l		99
60) Dibromochloromethane	9.519	129	104046	48.399	ug/l		99
61) 1,2-Dibromoethane	9.610	107	101053	44.841	ug/l		99
64) Tetrachloroethene	9.269	164	78661	45.765	ug/l		96
65) Chlorobenzene	10.079	112	267388	45.479	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	93224	48.543	ug/l		99
67) Ethyl Benzene	10.189	91	450377	46.977	ug/l		97
68) m/p-Xylenes	10.299	106	349227	95.253	ug/l		97
69) o-Xylene	10.640	106	175059	47.523	ug/l		99
70) Styrene	10.653	104	294680	48.130	ug/l		99
71) Bromoform	10.799	173	69053	50.009	ug/l	#	98
73) Isopropylbenzene	10.963	105	434285	47.005	ug/l		100
74) N-amyl acetate	10.842	43	212192	47.145	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	151871	45.712	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	123473m	44.275	ug/l		
77) Bromobenzene	11.195	156	108482	45.472	ug/l		100
78) n-propylbenzene	11.305	91	480204	47.669	ug/l		99
79) 2-Chlorotoluene	11.360	91	303930	45.500	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	369790	48.003	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	49799	49.126	ug/l		94
82) 4-Chlorotoluene	11.451	91	348692	46.508	ug/l		97
83) tert-Butylbenzene	11.713	119	375497	47.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	372516	47.450	ug/l		99
85) sec-Butylbenzene	11.890	105	444311	48.384	ug/l		99
86) p-Isopropyltoluene	12.006	119	377100	48.310	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	196597	45.977	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	197418	44.556	ug/l		100
89) n-Butylbenzene	12.329	91	317946	49.987	ug/l		100
90) Hexachloroethane	12.536	117	64443	50.825	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	200702	45.901	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	32952	48.652	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	127790	48.149	ug/l		100
94) Hexachlorobutadiene	13.725	225	46538	47.558	ug/l		99
95) Naphthalene	13.774	128	491660	48.409	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	131581	47.022	ug/l		100

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

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

ICAL Form

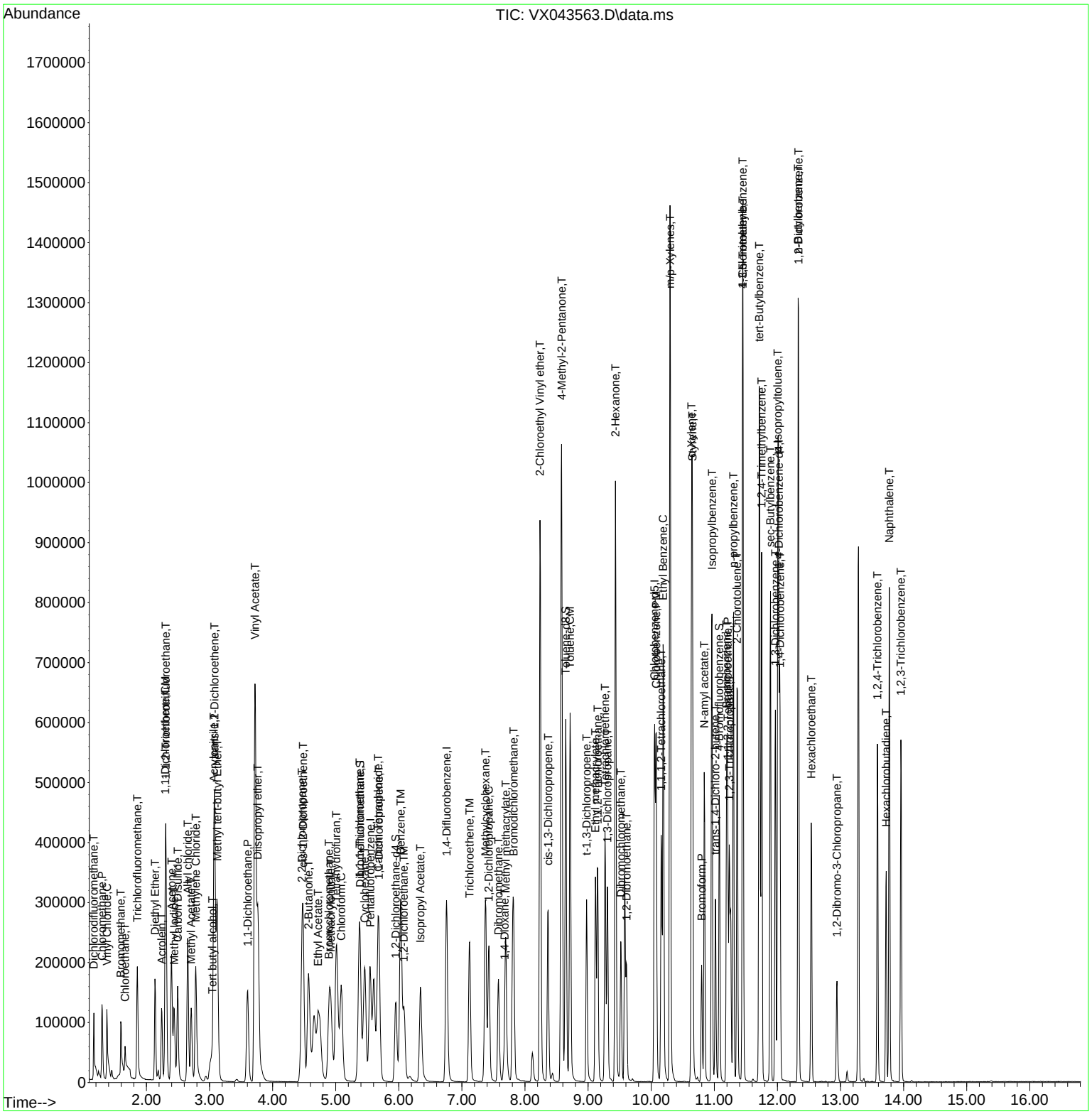
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043563.D
Acq On : 28 Oct 2024 14:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	120	0.00
2	T	Dichlorodifluoromethane	0.535	0.455	15.0	108	0.00
3	P	Chloromethane	0.684	0.566	17.3	105	0.00
4	C	Vinyl Chloride	0.634	0.555	12.5#	105	0.00
5	T	Bromomethane	0.259	0.215	17.0	99	0.00
6	T	Chloroethane	0.223	0.179	19.7	96	0.00
7	T	Trichlorofluoromethane	0.775	0.715	7.7	111	0.00
8	T	Diethyl Ether	0.358	0.309	13.7	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.468	10.7	107	0.00
10	T	Methyl Iodide	0.757	0.678	10.4	104	0.00
11	T	Tert butyl alcohol	0.149	0.137	8.1	106	0.00
12	CM	1,1-Dichloroethene	0.536	0.482	10.1#	108	0.00
13	T	Acrolein	0.116	0.102	12.1	113	0.00
14	T	Allyl chloride	0.926	0.844	8.9	107	0.00
15	T	Acrylonitrile	0.336	0.298	11.3	103	0.00
16	T	Acetone	0.317	0.284	10.4	109	0.00
17	T	Carbon Disulfide	1.120	1.064	5.0	113	0.00
18	T	Methyl Acetate	0.925	0.786	15.0	102	0.00
19	T	Methyl tert-butyl Ether	2.037	1.767	13.3	102	0.00
20	T	Methylene Chloride	0.682	0.567	16.9	103	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.500	11.7	107	0.00
22	T	Diisopropyl ether	1.915	1.676	12.5	104	0.00
23	T	Vinyl Acetate	1.582	1.451	8.3	104	0.00
24	P	1,1-Dichloroethane	1.101	0.960	12.8	104	0.00
25	T	2-Butanone	0.462	0.411	11.0	103	0.00
26	T	2,2-Dichloropropane	0.901	0.830	7.9	112	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.631	12.7	103	0.00
28	T	Bromochloromethane	0.524	0.446	14.9	106	0.00
29	T	Tetrahydrofuran	0.300	0.262	12.7	102	0.00
30	C	Chloroform	1.154	1.006	12.8#	104	0.00
31	T	Cyclohexane	0.842	0.745	11.5	107	0.00
32	T	1,1,1-Trichloroethane	0.969	0.880	9.2	107	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.726	8.9	111	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	118	0.00
35	S	Dibromofluoromethane	0.339	0.323	4.7	114	0.00
36	T	1,1-Dichloropropene	0.402	0.361	10.2	110	0.00
37	T	Ethyl Acetate	0.488	0.457	6.4	107	0.00
38	T	Carbon Tetrachloride	0.444	0.409	7.9	109	0.00
39	T	Methylcyclohexane	0.499	0.455	8.8	106	0.00
40	TM	Benzene	1.341	1.184	11.7	103	0.00
41	T	Methacrylonitrile	0.256	0.229	10.5	100	0.00
42	TM	1,2-Dichloroethane	0.482	0.429	11.0	103	0.00
43	T	Isopropyl Acetate	0.807	0.727	9.9	103	0.00
44	TM	Trichloroethene	0.333	0.299	10.2	105	0.00
45	C	1,2-Dichloropropane	0.330	0.296	10.3#	104	0.00
46	T	Dibromomethane	0.254	0.223	12.2	102	0.00
47	T	Bromodichloromethane	0.446	0.421	5.6	104	0.00
48	T	Methyl methacrylate	0.383	0.354	7.6	104	0.00

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	119	0.00
50	S	Toluene-d8	1.174	1.138	3.1	115	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.451	8.3	102	0.00
52	CM	Toluene	0.813	0.748	8.0#	106	0.00
53	T	t-1,3-Dichloropropene	0.479	0.449	6.3	104	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.489	4.1	107	0.00
55	T	1,1,2-Trichloroethane	0.339	0.306	9.7	102	0.00
56	T	Ethyl methacrylate	0.550	0.503	8.5	101	0.00
57	T	1,3-Dichloropropane	0.563	0.499	11.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.240	9.8	106	0.00
59	T	2-Hexanone	0.374	0.344	8.0	102	0.00
60	T	Dibromochloromethane	0.335	0.325	3.0	105	0.00
61	T	1,2-Dibromoethane	0.351	0.315	10.3	102	0.00
62	S	4-Bromofluorobenzene	0.435	0.420	3.4	112	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
64	T	Tetrachloroethene	0.314	0.288	8.3	107	0.00
65	PM	Chlorobenzene	1.076	0.978	9.1	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.341	2.8	105	0.00
67	C	Ethyl Benzene	1.754	1.648	6.0#	106	0.00
68	T	m/p-Xylenes	0.671	0.639	4.8	106	0.00
69	T	o-Xylene	0.674	0.641	4.9	107	0.00
70	T	Styrene	1.120	1.078	3.8	105	0.00
71	P	Bromoform	0.253	0.253	0.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73	T	Isopropylbenzene	3.542	3.330	6.0	106	0.00
74	T	N-amyl acetate	1.725	1.627	5.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.164	8.6	103	0.00
76	T	1,2,3-Trichloropropane	1.069	0.947	11.4	100	0.00
77	T	Bromobenzene	0.915	0.832	9.1	102	0.00
78	T	n-propylbenzene	3.862	3.682	4.7	105	0.00
79	T	2-Chlorotoluene	2.561	2.330	9.0	105	0.00
80	T	1,3,5-Trimethylbenzene	2.953	2.835	4.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.382	1.8	104	0.00
82	T	4-Chlorotoluene	2.874	2.673	7.0	105	0.00
83	T	tert-Butylbenzene	3.003	2.879	4.1	108	0.00
84	T	1,2,4-Trimethylbenzene	3.010	2.856	5.1	105	0.00
85	T	sec-Butylbenzene	3.520	3.407	3.2	106	0.00
86	T	p-Isopropyltoluene	2.992	2.891	3.4	105	0.00
87	T	1,3-Dichlorobenzene	1.639	1.507	8.1	104	0.00
88	T	1,4-Dichlorobenzene	1.699	1.514	10.9	104	0.00
89	T	n-Butylbenzene	2.438	2.438	0.0	106	0.00
90	T	Hexachloroethane	0.486	0.494	-1.6	108	0.00
91	T	1,2-Dichlorobenzene	1.676	1.539	8.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.253	2.7	102	0.00
93	T	1,2,4-Trichlorobenzene	1.017	0.980	3.6	103	0.00
94	T	Hexachlorobutadiene	0.375	0.357	4.8	109	0.00
95	T	Naphthalene	3.893	3.770	3.2	104	0.00

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.073	1.009	6.0	104	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	120	0.00
2	T	Dichlorodifluoromethane	50.000	42.565	14.9	108	0.00
3	P	Chloromethane	50.000	41.434	17.1	105	0.00
4	C	Vinyl Chloride	50.000	43.758	12.5#	105	0.00
5	T	Bromomethane	50.000	41.604	16.8	99	0.00
6	T	Chloroethane	50.000	39.988	20.0	96	0.00
7	T	Trichlorofluoromethane	50.000	46.124	7.8	111	0.00
8	T	Diethyl Ether	50.000	43.186	13.6	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.609	10.8	107	0.00
10	T	Methyl Iodide	50.000	44.767	10.5	104	0.00
11	T	Tert butyl alcohol	250.000	229.410	8.2	106	0.00
12	CM	1,1-Dichloroethene	50.000	44.957	10.1#	108	0.00
13	T	Acrolein	250.000	218.298	12.7	113	0.00
14	T	Allyl chloride	50.000	45.529	8.9	107	0.00
15	T	Acrylonitrile	250.000	221.401	11.4	103	0.00
16	T	Acetone	250.000	224.158	10.3	109	0.00
17	T	Carbon Disulfide	50.000	47.524	5.0	113	0.00
18	T	Methyl Acetate	50.000	42.460	15.1	102	0.00
19	T	Methyl tert-butyl Ether	50.000	43.380	13.2	102	0.00
20	T	Methylene Chloride	50.000	41.513	17.0	103	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.148	11.7	107	0.00
22	T	Diisopropyl ether	50.000	43.777	12.4	104	0.00
23	T	Vinyl Acetate	250.000	229.380	8.2	104	0.00
24	P	1,1-Dichloroethane	50.000	43.633	12.7	104	0.00
25	T	2-Butanone	250.000	222.655	10.9	103	0.00
26	T	2,2-Dichloropropane	50.000	46.075	7.8	112	0.00
27	T	cis-1,2-Dichloroethene	50.000	43.635	12.7	103	0.00
28	T	Bromochloromethane	50.000	42.606	14.8	106	0.00
29	T	Tetrahydrofuran	250.000	218.299	12.7	102	0.00
30	C	Chloroform	50.000	43.621	12.8#	104	0.00
31	T	Cyclohexane	50.000	44.229	11.5	107	0.00
32	T	1,1,1-Trichloroethane	50.000	45.409	9.2	107	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.512	9.0	111	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	118	0.00
35	S	Dibromofluoromethane	50.000	47.657	4.7	114	0.00
36	T	1,1-Dichloropropene	50.000	44.924	10.2	110	0.00
37	T	Ethyl Acetate	50.000	46.862	6.3	107	0.00
38	T	Carbon Tetrachloride	50.000	46.088	7.8	109	0.00
39	T	Methylcyclohexane	50.000	45.618	8.8	106	0.00
40	TM	Benzene	50.000	44.132	11.7	103	0.00
41	T	Methacrylonitrile	50.000	44.704	10.6	100	0.00
42	TM	1,2-Dichloroethane	50.000	44.475	11.0	103	0.00
43	T	Isopropyl Acetate	50.000	45.049	9.9	103	0.00
44	TM	Trichloroethene	50.000	44.826	10.3	105	0.00
45	C	1,2-Dichloropropane	50.000	44.772	10.5#	104	0.00
46	T	Dibromomethane	50.000	43.863	12.3	102	0.00
47	T	Bromodichloromethane	50.000	47.134	5.7	104	0.00
48	T	Methyl methacrylate	50.000	46.235	7.5	104	0.00

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1047.352	-4.7	119	0.00
50	S	Toluene-d8	50.000	48.461	3.1	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	229.383	8.2	102	0.00
52	CM	Toluene	50.000	46.000	8.0#	106	0.00
53	T	t-1,3-Dichloropropene	50.000	46.821	6.4	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.945	4.1	107	0.00
55	T	1,1,2-Trichloroethane	50.000	45.125	9.8	102	0.00
56	T	Ethyl methacrylate	50.000	45.728	8.5	101	0.00
57	T	1,3-Dichloropropane	50.000	44.279	11.4	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.175	9.9	106	0.00
59	T	2-Hexanone	250.000	230.086	8.0	102	0.00
60	T	Dibromochloromethane	50.000	48.399	3.2	105	0.00
61	T	1,2-Dibromoethane	50.000	44.841	10.3	102	0.00
62	S	4-Bromofluorobenzene	50.000	48.327	3.3	112	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	115	0.00
64	T	Tetrachloroethene	50.000	45.765	8.5	107	0.00
65	PM	Chlorobenzene	50.000	45.479	9.0	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.543	2.9	105	0.00
67	C	Ethyl Benzene	50.000	46.977	6.0#	106	0.00
68	T	m/p-Xylenes	100.000	95.253	4.7	106	0.00
69	T	o-Xylene	50.000	47.523	5.0	107	0.00
70	T	Styrene	50.000	48.130	3.7	105	0.00
71	P	Bromoform	50.000	50.009	-0.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73	T	Isopropylbenzene	50.000	47.005	6.0	106	0.00
74	T	N-amyl acetate	50.000	47.145	5.7	104	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.712	8.6	103	0.00
76	T	1,2,3-Trichloropropane	50.000	44.275	11.5	100	0.00
77	T	Bromobenzene	50.000	45.472	9.1	102	0.00
78	T	n-propylbenzene	50.000	47.669	4.7	105	0.00
79	T	2-Chlorotoluene	50.000	45.500	9.0	105	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.003	4.0	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.126	1.7	104	0.00
82	T	4-Chlorotoluene	50.000	46.508	7.0	105	0.00
83	T	tert-Butylbenzene	50.000	47.929	4.1	108	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.450	5.1	105	0.00
85	T	sec-Butylbenzene	50.000	48.384	3.2	106	0.00
86	T	p-Isopropyltoluene	50.000	48.310	3.4	105	0.00
87	T	1,3-Dichlorobenzene	50.000	45.977	8.0	104	0.00
88	T	1,4-Dichlorobenzene	50.000	44.556	10.9	104	0.00
89	T	n-Butylbenzene	50.000	49.987	0.0	106	0.00
90	T	Hexachloroethane	50.000	50.825	-1.7	108	0.00
91	T	1,2-Dichlorobenzene	50.000	45.901	8.2	101	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.652	2.7	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.149	3.7	103	0.00
94	T	Hexachlorobutadiene	50.000	47.558	4.9	109	0.00
95	T	Naphthalene	50.000	48.409	3.2	104	0.00

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX102824

Quant Time: Oct 29 03:22:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.022	6.0	104	0.00

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

Raw Data: **VX043654.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.: P4676 SAS No.: P4676 SDG No.: P4676

Instrument ID: MSVOA_X Calibration Date/Time: 11/01/2024 10:12

Lab File ID: VX043654.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.535	0.484		-9.53	20
Chloromethane	0.684	0.569	0.1	-16.81	20
Vinyl Chloride	0.634	0.575		-9.31	20
Ethyl Acetate	0.488	0.469		-3.89	20
Bromomethane	0.259	0.241		-6.95	20
Chloroethane	0.223	0.267		19.73	20
Trichlorofluoromethane	0.775	0.819		5.68	20
1,1,2-Trichlorotrifluoroethane	0.524	0.576		9.92	20
Tert butyl alcohol	0.149	0.012		-91.95	20
1,1-Dichloroethene	0.536	0.542		1.12	20
Acrolein	0.116	0.096		-17.24	20
Acrylonitrile	0.336	0.318		-5.36	20
Acetone	0.317	0.275		-13.25	20
Carbon Disulfide	1.120	1.076		-3.93	20
Methyl tert-butyl Ether	2.037	1.878		-7.81	20
Methyl Acetate	0.925	0.813		-12.11	20
Methylene Chloride	0.682	0.612		-10.26	20
trans-1,2-Dichloroethene	0.566	0.552		-2.47	20
Vinyl Acetate	1.582	1.495		-5.5	20
1,1-Dichloroethane	1.101	1.032	0.1	-6.27	20
Cyclohexane	0.842	0.844		0.24	20
2-Butanone	0.462	0.416		-9.96	20
Carbon Tetrachloride	0.444	0.468		5.41	20
2,2-Dichloropropane	0.901	0.921		2.22	20
cis-1,2-Dichloroethene	0.723	0.706		-2.35	20
Bromochloromethane	0.524	0.467		-10.88	20
Chloroform	1.154	1.076		-6.76	20
1,1,1-Trichloroethane	0.969	0.944		-2.58	20
Methylcyclohexane	0.499	0.569		14.03	20
1,1-Dichloropropene	0.402	0.420		4.48	20
Benzene	1.341	1.362		1.57	20
1,2-Dichloroethane	0.482	0.453		-6.02	20
Trichloroethene	0.333	0.358		7.51	20
1,2-Dichloropropane	0.330	0.338		2.42	20
Dibromomethane	0.254	0.247		-2.76	20
Bromodichloromethane	0.446	0.476		6.73	20
4-Methyl-2-Pentanone	0.492	0.495		0.61	20
Toluene	0.813	0.860		5.78	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: **VX043654.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.: P4676 SAS No.: P4676 SDG No.: P4676

Instrument ID: MSVOA_X Calibration Date/Time: 11/01/2024 10:12

Lab File ID: VX043654.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.479	0.509		6.26	20
cis-1,3-Dichloropropene	0.510	0.563		10.39	20
1,1,2-Trichloroethane	0.339	0.353		4.13	20
1,3-Dichloropropane	0.563	0.584		3.73	20
2-Chloroethyl Vinyl ether	0.266	0.258		-3.01	20
2-Hexanone	0.374	0.378		1.07	20
Dibromochloromethane	0.335	0.386		15.22	20
1,2-Dibromoethane	0.351	0.366		4.27	20
Tetrachloroethene	0.314	0.353		12.42	20
Chlorobenzene	1.076	1.129	0.3	4.93	20
1,1,1,2-Tetrachloroethane	0.351	0.387		10.26	20
Hexachloroethane	0.486	0.595		22.43	20
Ethyl Benzene	1.754	1.883		7.36	20
m/p-Xylenes	0.671	0.741		10.43	20
o-Xylene	0.674	0.741		9.94	20
Styrene	1.120	1.242		10.89	20
Bromoform	0.253	0.287	0.1	13.44	20
Isopropylbenzene	3.542	3.954		11.63	20
1,1,2,2-Tetrachloroethane	1.274	1.279	0.3	0.39	20
1,2,3-Trichloropropane	1.069	1.067		-0.19	20
Bromobenzene	0.915	1.002		9.51	20
n-propylbenzene	3.862	4.436		14.86	20
2-Chlorotoluene	2.561	2.712		5.9	20
1,3,5-Trimethylbenzene	2.953	3.333		12.87	20
4-Chlorotoluene	2.874	3.130		8.91	20
tert-Butylbenzene	3.003	3.439		14.52	20
1,2,4-Trimethylbenzene	3.010	3.361		11.66	20
sec-Butylbenzene	3.520	4.191		19.06	20
p-Isopropyltoluene	2.992	3.518		17.58	20
1,3-Dichlorobenzene	1.639	1.833		11.84	20
1,4-Dichlorobenzene	1.699	1.800		5.95	20
n-Butylbenzene	2.438	3.037		24.57	20
1,2-Dichlorobenzene	1.676	1.793		6.98	20
1,2-Dibromo-3-Chloropropane	0.260	0.253		-2.69	20
1,2,4-Trichlorobenzene	1.017	1.160		14.06	20
Hexachlorobutadiene	0.375	0.454		21.07	20
Naphthalene	3.893	4.190		7.63	20
1,2,3-Trichlorobenzene	1.073	1.190		10.9	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: **VX043654.D**

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.: P4676 SAS No.: P4676 SDG No.: P4676

Instrument ID: MSVOA_X Calibration Date/Time: 11/01/2024 10:12

Lab File ID: VX043654.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.797	0.678		-14.93	20
Dibromofluoromethane	0.339	0.353		4.13	20
Toluene-d8	1.174	1.259		7.24	20
4-Bromofluorobenzene	0.435	0.471		8.28	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\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	184271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	311909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	274879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	124973	42.533	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.060%			
35) Dibromofluoromethane	5.379	113	110167	52.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	8.647	98	392719	53.639	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.280%			
62) 4-Bromofluorobenzene	11.079	95	146765	54.097	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	89159	45.243	ug/l	96
3) Chloromethane	1.294	50	104782	41.595	ug/l	100
4) Vinyl Chloride	1.374	62	105897	45.295	ug/l	98
5) Bromomethane	1.593	94	44341	46.523	ug/l	95
6) Chloroethane	1.666	64	49143	59.663	ug/l	100
7) Trichlorofluoromethane	1.868	101	150838	52.812	ug/l	98
8) Diethyl Ether	2.130	74	61052	46.265	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	106137	54.949	ug/l	96
10) Methyl Iodide	2.441	142	140559	50.368	ug/l	96
11) Tert butyl alcohol	3.081	59	10783	19.662	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	99876	50.599	ug/l	94
13) Acrolein	2.233	56	88753	206.939	ug/l	100
14) Allyl chloride	2.654	41	163401	47.861	ug/l	94
15) Acrylonitrile	3.062	53	293215	236.806	ug/l	98
16) Acetone	2.386	43	253028	216.858	ug/l	94
17) Carbon Disulfide	2.502	76	198209	48.021	ug/l	98
18) Methyl Acetate	2.703	43	149833	43.938	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	346107	46.106	ug/l	98
20) Methylene Chloride	2.782	84	112831	44.869	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	101778	48.806	ug/l	94
22) Diisopropyl ether	3.757	45	325579	46.137	ug/l	97
23) Vinyl Acetate	3.715	43	1377565	236.287	ug/l	98
24) 1,1-Dichloroethane	3.599	63	190237	46.903	ug/l	100
25) 2-Butanone	4.562	43	383123	225.100	ug/l	97
26) 2,2-Dichloropropane	4.465	77	169739	51.125	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	130016	48.807	ug/l	97
28) Bromochloromethane	4.891	49	85986	44.564	ug/l	96
29) Tetrahydrofuran	5.001	42	244575	221.119	ug/l	95
30) Chloroform	5.086	83	198350	46.651	ug/l	98
31) Cyclohexane	5.458	56	155509	50.128	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	173995	48.744	ug/l	97
36) 1,1-Dichloropropene	5.684	75	130855	52.176	ug/l	98
37) Ethyl Acetate	4.715	43	146225	48.025	ug/l	97
38) Carbon Tetrachloride	5.672	117	145915	52.656	ug/l	98
39) Methylcyclohexane	7.373	83	177592	57.035	ug/l	99
40) Benzene	6.031	78	424771	50.770	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	82286	51.486 ug/l	95
42) 1,2-Dichloroethane	6.080	62	141390	47.007 ug/l	97
43) Isopropyl Acetate	6.336	43	246122	48.879 ug/l	98
44) Trichloroethene	7.117	130	111682	53.732 ug/l	100
45) 1,2-Dichloropropane	7.428	63	105308	51.118 ug/l	99
46) Dibromomethane	7.580	93	77166	48.647 ug/l	94
47) Bromodichloromethane	7.818	83	148380	53.323 ug/l	98
48) Methyl methacrylate	7.690	41	118024	49.438 ug/l	94
49) 1,4-Dioxane	7.665	88	40518	826.100 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	771456	251.370 ug/l	97
52) Toluene	8.714	92	268281	52.873 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	158896	53.164 ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	175635	55.153 ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	110078	52.119 ug/l	97
56) Ethyl methacrylate	9.116	69	179869	52.411 ug/l	93
57) 1,3-Dichloropropane	9.305	76	182205	51.869 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	402010	241.868 ug/l	96
59) 2-Hexanone	9.427	43	589950	253.099 ug/l	97
60) Dibromochloromethane	9.519	129	120265	57.504 ug/l	99
61) 1,2-Dibromoethane	9.610	107	114183	52.080 ug/l	98
64) Tetrachloroethene	9.269	164	96917	56.059 ug/l	96
65) Chlorobenzene	10.079	112	310281	52.467 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	106421	55.093 ug/l	99
67) Ethyl Benzene	10.189	91	517519	53.667 ug/l	99
68) m/p-Xylenes	10.299	106	407339	110.458 ug/l	94
69) o-Xylene	10.640	106	203612	54.953 ug/l	95
70) Styrene	10.653	104	341416	55.439 ug/l	98
71) Bromoform	10.799	173	78778	56.720 ug/l #	96
73) Isopropylbenzene	10.963	105	518995	55.815 ug/l	99
74) N-amyl acetate	10.842	43	222858	49.199 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	167931	50.224 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	140080m	49.910 ug/l	
77) Bromobenzene	11.195	156	131529	54.781 ug/l	95
78) n-propylbenzene	11.305	91	582316	57.437 ug/l	98
79) 2-Chlorotoluene	11.360	91	355946	52.947 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	437540	56.435 ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	55310	54.214 ug/l	89
82) 4-Chlorotoluene	11.451	91	410882	54.453 ug/l	97
83) tert-Butylbenzene	11.713	119	451377	57.246 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	441184	55.838 ug/l	99
85) sec-Butylbenzene	11.890	105	550106	59.522 ug/l	99
86) p-Isopropyltoluene	12.006	119	461808	58.784 ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	240649	55.919 ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	236239	52.978 ug/l	99
89) n-Butylbenzene	12.329	91	398665	62.278 ug/l	99
90) Hexachloroethane	12.536	117	78103	61.206 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	235299	53.470 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33206	48.714 ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	152224	56.989 ug/l	99
94) Hexachlorobutadiene	13.725	225	59543	60.460 ug/l	99
95) Naphthalene	13.774	128	550014	53.809 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	156157	55.448 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

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

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

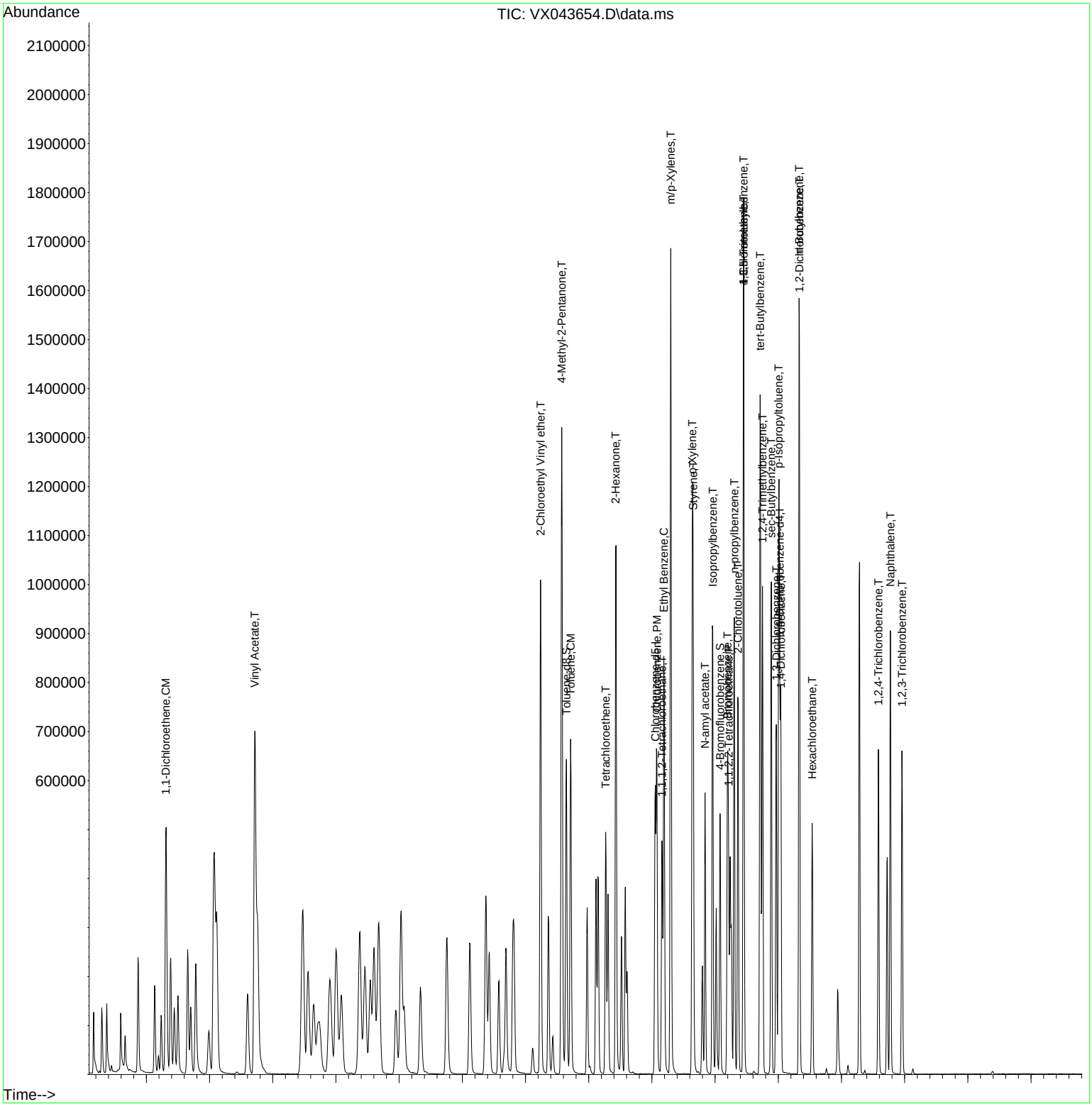
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024



Sample Results: **VX043654.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	124	0.00
2	T	Dichlorodifluoromethane	0.535	0.484	9.5	118	0.00
3	P	Chloromethane	0.684	0.569	16.8	108	0.00
4	C	Vinyl Chloride	0.634	0.575	9.3#	112	0.00
5	T	Bromomethane	0.259	0.241	6.9	114	0.00
6	T	Chloroethane	0.223	0.267	-19.7	147	0.00
7	T	Trichlorofluoromethane	0.775	0.819	-5.7	130	0.01
8	T	Diethyl Ether	0.358	0.331	7.5	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.524	0.576	-9.9	136	0.00
10	T	Methyl Iodide	0.757	0.763	-0.8	121	0.00
11	T	Tert butyl alcohol	0.149	0.012	91.9#	9#	0.03
12	CM	1,1-Dichloroethene	0.536	0.542	-1.1#	125	0.00
13	T	Acrolein	0.116	0.096	17.2	110	0.00
14	T	Allyl chloride	0.926	0.887	4.2	115	0.00
15	T	Acrylonitrile	0.336	0.318	5.4	113	-0.01
16	T	Acetone	0.317	0.275	13.2	109	-0.01
17	T	Carbon Disulfide	1.120	1.076	3.9	117	0.00
18	T	Methyl Acetate	0.925	0.813	12.1	109	0.00
19	T	Methyl tert-butyl Ether	2.037	1.878	7.8	112	-0.01
20	T	Methylene Chloride	0.682	0.612	10.3	114	0.00
21	T	trans-1,2-Dichloroethene	0.566	0.552	2.5	122	0.00
22	T	Diisopropyl ether	1.915	1.767	7.7	112	0.00
23	T	Vinyl Acetate	1.582	1.495	5.5	110	0.00
24	P	1,1-Dichloroethane	1.101	1.032	6.3	115	0.00
25	T	2-Butanone	0.462	0.416	10.0	107	0.00
26	T	2,2-Dichloropropane	0.901	0.921	-2.2	128	0.00
27	T	cis-1,2-Dichloroethene	0.723	0.706	2.4	118	0.00
28	T	Bromochloromethane	0.524	0.467	10.9	114	0.00
29	T	Tetrahydrofuran	0.300	0.265	11.7	106	-0.01
30	C	Chloroform	1.154	1.076	6.8#	115	0.00
31	T	Cyclohexane	0.842	0.844	-0.2	125	0.00
32	T	1,1,1-Trichloroethane	0.969	0.944	2.6	118	0.00
33	S	1,2-Dichloroethane-d4	0.797	0.678	14.9	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
35	S	Dibromofluoromethane	0.339	0.353	-4.1	121	0.00
36	T	1,1-Dichloropropene	0.402	0.420	-4.5	125	0.00
37	T	Ethyl Acetate	0.488	0.469	3.9	107	0.00
38	T	Carbon Tetrachloride	0.444	0.468	-5.4	121	0.00
39	T	Methylcyclohexane	0.499	0.569	-14.0	129	0.00
40	TM	Benzene	1.341	1.362	-1.6	116	0.00
41	T	Methacrylonitrile	0.256	0.264	-3.1	112	0.00
42	TM	1,2-Dichloroethane	0.482	0.453	6.0	106	0.00
43	T	Isopropyl Acetate	0.807	0.789	2.2	109	0.00
44	TM	Trichloroethene	0.333	0.358	-7.5	122	0.00
45	C	1,2-Dichloropropane	0.330	0.338	-2.4#	115	0.00
46	T	Dibromomethane	0.254	0.247	2.8	110	0.00
47	T	Bromodichloromethane	0.446	0.476	-6.7	115	0.00
48	T	Methyl methacrylate	0.383	0.378	1.3	108	0.00

Sample Results: **VX043654.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.006	25.0	91	0.00
50	S	Toluene-d8	1.174	1.259	-7.2	123	0.00
51	T	4-Methyl-2-Pentanone	0.492	0.495	-0.6	109	0.00
52	CM	Toluene	0.813	0.860	-5.8#	118	0.00
53	T	t-1,3-Dichloropropene	0.479	0.509	-6.3	115	0.00
54	T	cis-1,3-Dichloropropene	0.510	0.563	-10.4	119	0.00
55	T	1,1,2-Trichloroethane	0.339	0.353	-4.1	114	0.00
56	T	Ethyl methacrylate	0.550	0.577	-4.9	113	0.00
57	T	1,3-Dichloropropane	0.563	0.584	-3.7	114	0.00
58	T	2-Chloroethyl Vinyl ether	0.266	0.258	3.0	111	0.00
59	T	2-Hexanone	0.374	0.378	-1.1	109	0.00
60	T	Dibromochloromethane	0.335	0.386	-15.2	121	0.00
61	T	1,2-Dibromoethane	0.351	0.366	-4.3	115	0.00
62	S	4-Bromofluorobenzene	0.435	0.471	-8.3	122	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
64	T	Tetrachloroethene	0.314	0.353	-12.4	132	0.00
65	PM	Chlorobenzene	1.076	1.129	-4.9	121	0.00
66	T	1,1,1,2-Tetrachloroethane	0.351	0.387	-10.3	120	0.00
67	C	Ethyl Benzene	1.754	1.883	-7.4#	122	0.00
68	T	m/p-Xylenes	0.671	0.741	-10.4	124	0.00
69	T	o-Xylene	0.674	0.741	-9.9	124	0.00
70	T	Styrene	1.120	1.242	-10.9	121	0.00
71	P	Bromoform	0.253	0.287	-13.4	120	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73	T	Isopropylbenzene	3.542	3.954	-11.6	127	0.00
74	T	N-amyl acetate	1.725	1.698	1.6	110	0.00
75	P	1,1,2,2-Tetrachloroethane	1.274	1.279	-0.4	113	0.00
76	T	1,2,3-Trichloropropane	1.069	1.067	0.2	114	0.00
77	T	Bromobenzene	0.915	1.002	-9.5	124	0.00
78	T	n-propylbenzene	3.862	4.436	-14.9	127	0.00
79	T	2-Chlorotoluene	2.561	2.712	-5.9	123	0.00
80	T	1,3,5-Trimethylbenzene	2.953	3.333	-12.9	126	0.00
81	T	trans-1,4-Dichloro-2-butene	0.389	0.421	-8.2	115	0.00
82	T	4-Chlorotoluene	2.874	3.130	-8.9	124	0.00
83	T	tert-Butylbenzene	3.003	3.439	-14.5	129	0.00
84	T	1,2,4-Trimethylbenzene	3.010	3.361	-11.7	124	0.00
85	T	sec-Butylbenzene	3.520	4.191	-19.1	132	0.00
86	T	p-Isopropyltoluene	2.992	3.518	-17.6	129	0.00
87	T	1,3-Dichlorobenzene	1.639	1.833	-11.8	127	0.00
88	T	1,4-Dichlorobenzene	1.699	1.800	-5.9	125	0.00
89	T	n-Butylbenzene	2.438	3.037	-24.6	133	0.00
90	T	Hexachloroethane	0.486	0.595	-22.4	131	0.00
91	T	1,2-Dichlorobenzene	1.676	1.793	-7.0	119	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.260	0.253	2.7	103	0.00
93	T	1,2,4-Trichlorobenzene	1.017	1.160	-14.1	123	0.00
94	T	Hexachlorobutadiene	0.375	0.454	-21.1	139	0.00
95	T	Naphthalene	3.893	4.190	-7.6	116	0.00

Sample Results: **VX043654.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.073	1.190	-10.9	124	0.00

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

Sample Results: **VX043654.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	124	0.00
2	T	Dichlorodifluoromethane	50.000	45.243	9.5	118	0.00
3	P	Chloromethane	50.000	41.595	16.8	108	0.00
4	C	Vinyl Chloride	50.000	45.295	9.4#	112	0.00
5	T	Bromomethane	50.000	46.523	7.0	114	0.00
6	T	Chloroethane	50.000	59.663	-19.3	147	0.00
7	T	Trichlorofluoromethane	50.000	52.812	-5.6	130	0.01
8	T	Diethyl Ether	50.000	46.265	7.5	115	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.949	-9.9	136	0.00
10	T	Methyl Iodide	50.000	50.368	-0.7	121	0.00
11	T	Tert butyl alcohol	250.000	19.662	92.1#	9	0.03
12	CM	1,1-Dichloroethene	50.000	50.599	-1.2#	125	0.00
13	T	Acrolein	250.000	206.939	17.2	110	0.00
14	T	Allyl chloride	50.000	47.861	4.3	115	0.00
15	T	Acrylonitrile	250.000	236.806	5.3	113	-0.01
16	T	Acetone	250.000	216.858	13.3	109	-0.01
17	T	Carbon Disulfide	50.000	48.021	4.0	117	0.00
18	T	Methyl Acetate	50.000	43.938	12.1	109	0.00
19	T	Methyl tert-butyl Ether	50.000	46.106	7.8	112	-0.01
20	T	Methylene Chloride	50.000	44.869	10.3	114	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.806	2.4	122	0.00
22	T	Diisopropyl ether	50.000	46.137	7.7	112	0.00
23	T	Vinyl Acetate	250.000	236.287	5.5	110	0.00
24	P	1,1-Dichloroethane	50.000	46.903	6.2	115	0.00
25	T	2-Butanone	250.000	225.100	10.0	107	0.00
26	T	2,2-Dichloropropane	50.000	51.125	-2.3	128	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.807	2.4	118	0.00
28	T	Bromochloromethane	50.000	44.564	10.9	114	0.00
29	T	Tetrahydrofuran	250.000	221.119	11.6	106	-0.01
30	C	Chloroform	50.000	46.651	6.7#	115	0.00
31	T	Cyclohexane	50.000	50.128	-0.3	125	0.00
32	T	1,1,1-Trichloroethane	50.000	48.744	2.5	118	0.00
33	S	1,2-Dichloroethane-d4	50.000	42.533	14.9	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
35	S	Dibromofluoromethane	50.000	52.087	-4.2	121	0.00
36	T	1,1-Dichloropropene	50.000	52.176	-4.4	125	0.00
37	T	Ethyl Acetate	50.000	48.025	4.0	107	0.00
38	T	Carbon Tetrachloride	50.000	52.656	-5.3	121	0.00
39	T	Methylcyclohexane	50.000	57.035	-14.1	129	0.00
40	TM	Benzene	50.000	50.770	-1.5	116	0.00
41	T	Methacrylonitrile	50.000	51.486	-3.0	112	0.00
42	TM	1,2-Dichloroethane	50.000	47.007	6.0	106	0.00
43	T	Isopropyl Acetate	50.000	48.879	2.2	109	0.00
44	TM	Trichloroethene	50.000	53.732	-7.5	122	0.00
45	C	1,2-Dichloropropane	50.000	51.118	-2.2#	115	0.00
46	T	Dibromomethane	50.000	48.647	2.7	110	0.00
47	T	Bromodichloromethane	50.000	53.323	-6.6	115	0.00
48	T	Methyl methacrylate	50.000	49.438	1.1	108	0.00

Sample Results: **VX043654.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	826.100	17.4	91	0.00
50	S	Toluene-d8	50.000	53.639	-7.3	123	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.370	-0.5	109	0.00
52	CM	Toluene	50.000	52.873	-5.7#	118	0.00
53	T	t-1,3-Dichloropropene	50.000	53.164	-6.3	115	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.153	-10.3	119	0.00
55	T	1,1,2-Trichloroethane	50.000	52.119	-4.2	114	0.00
56	T	Ethyl methacrylate	50.000	52.411	-4.8	113	0.00
57	T	1,3-Dichloropropane	50.000	51.869	-3.7	114	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	241.868	3.3	111	0.00
59	T	2-Hexanone	250.000	253.099	-1.2	109	0.00
60	T	Dibromochloromethane	50.000	57.504	-15.0	121	0.00
61	T	1,2-Dibromoethane	50.000	52.080	-4.2	115	0.00
62	S	4-Bromofluorobenzene	50.000	54.097	-8.2	122	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	115	0.00
64	T	Tetrachloroethene	50.000	56.059	-12.1	132	0.00
65	PM	Chlorobenzene	50.000	52.467	-4.9	121	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.093	-10.2	120	0.00
67	C	Ethyl Benzene	50.000	53.667	-7.3#	122	0.00
68	T	m/p-Xylenes	100.000	110.458	-10.5	124	0.00
69	T	o-Xylene	50.000	54.953	-9.9	124	0.00
70	T	Styrene	50.000	55.439	-10.9	121	0.00
71	P	Bromoform	50.000	56.720	-13.4	120	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73	T	Isopropylbenzene	50.000	55.815	-11.6	127	0.00
74	T	N-amyl acetate	50.000	49.199	1.6	110	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.224	-0.4	113	0.00
76	T	1,2,3-Trichloropropane	50.000	49.910	0.2	114	0.00
77	T	Bromobenzene	50.000	54.781	-9.6	124	0.00
78	T	n-propylbenzene	50.000	57.437	-14.9	127	0.00
79	T	2-Chlorotoluene	50.000	52.947	-5.9	123	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.435	-12.9	126	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.214	-8.4	115	0.00
82	T	4-Chlorotoluene	50.000	54.453	-8.9	124	0.00
83	T	tert-Butylbenzene	50.000	57.246	-14.5	129	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.838	-11.7	124	0.00
85	T	sec-Butylbenzene	50.000	59.522	-19.0	132	0.00
86	T	p-Isopropyltoluene	50.000	58.784	-17.6	129	0.00
87	T	1,3-Dichlorobenzene	50.000	55.919	-11.8	127	0.00
88	T	1,4-Dichlorobenzene	50.000	52.978	-6.0	125	0.00
89	T	n-Butylbenzene	50.000	62.278	-24.6	133	0.00
90	T	Hexachloroethane	50.000	61.206	-22.4	131	0.00
91	T	1,2-Dichlorobenzene	50.000	53.470	-6.9	119	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.714	2.6	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.989	-14.0	123	0.00
94	T	Hexachlorobutadiene	50.000	60.460	-20.9	139	0.00
95	T	Naphthalene	50.000	53.809	-7.6	116	0.00

Sample Results: **VX043654.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043654.D
Acq On : 01 Nov 2024 10:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 04 06:07:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.448	-10.9	124	0.00

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

QC SAMPLE DATA

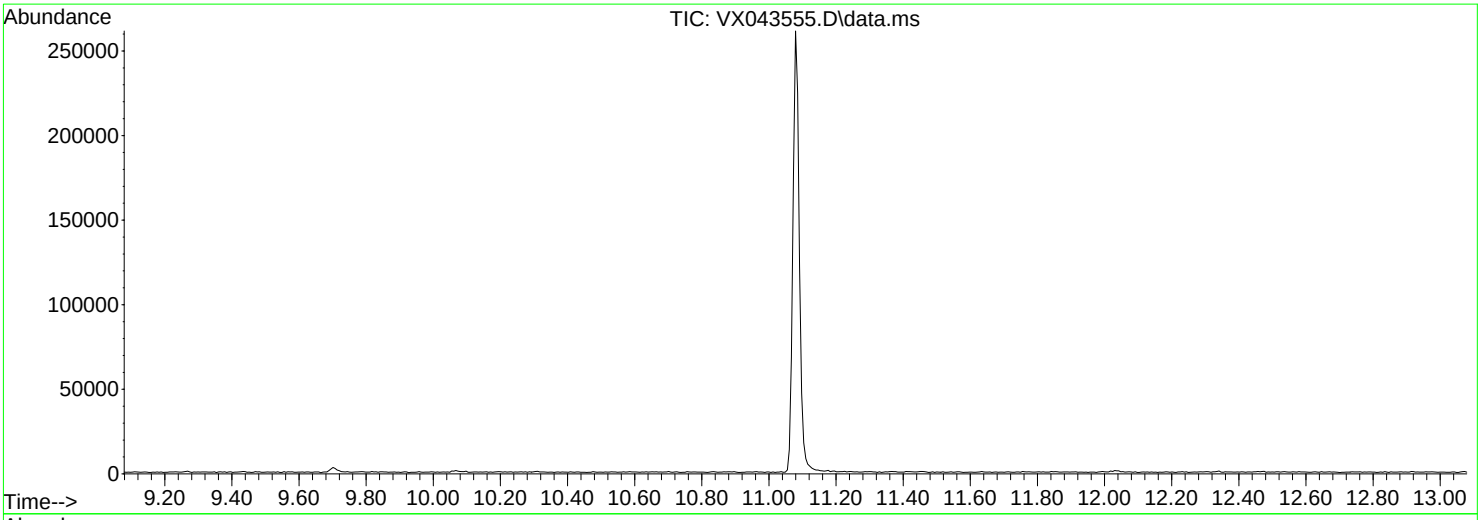
Sample Results: **VX043555.D**

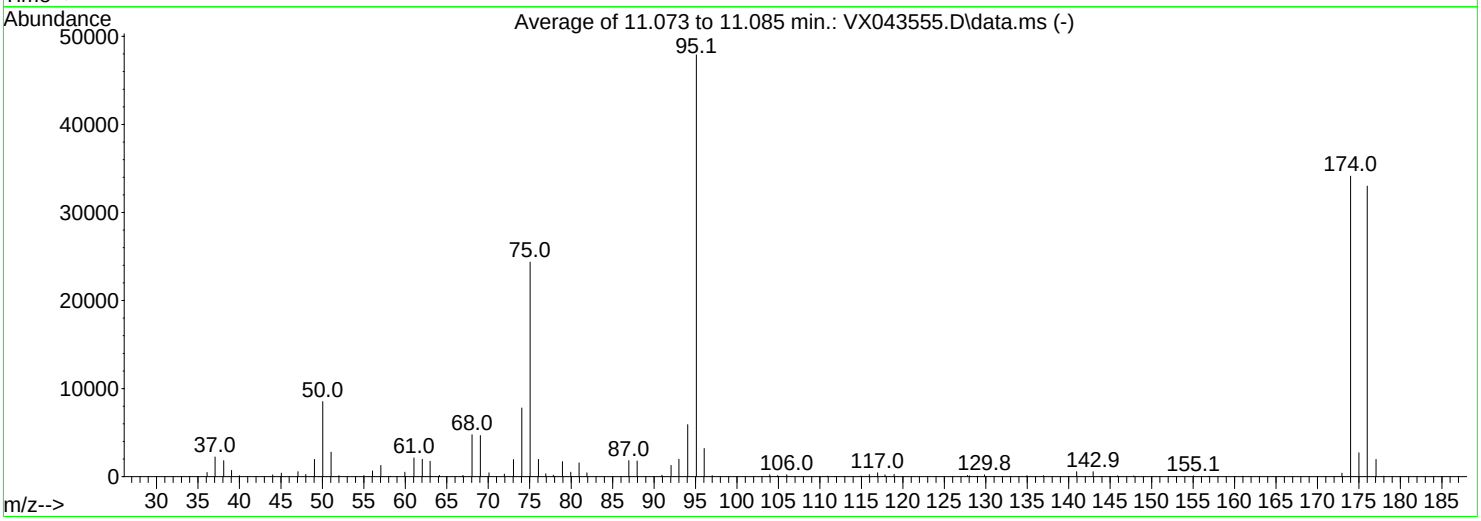
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102824\
Data File : VX043555.D
Acq On : 28 Oct 2024 10:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	8521	PASS
75	95	30	60	50.9	24360	PASS
95	95	100	100	100.0	47901	PASS
96	95	5	9	6.7	3204	PASS
173	174	0.00	2	1.2	395	PASS
174	95	50	100	71.2	34123	PASS
175	174	5	9	7.9	2705	PASS
176	174	95	101	96.7	32992	PASS
177	176	5	9	6.0	1964	PASS

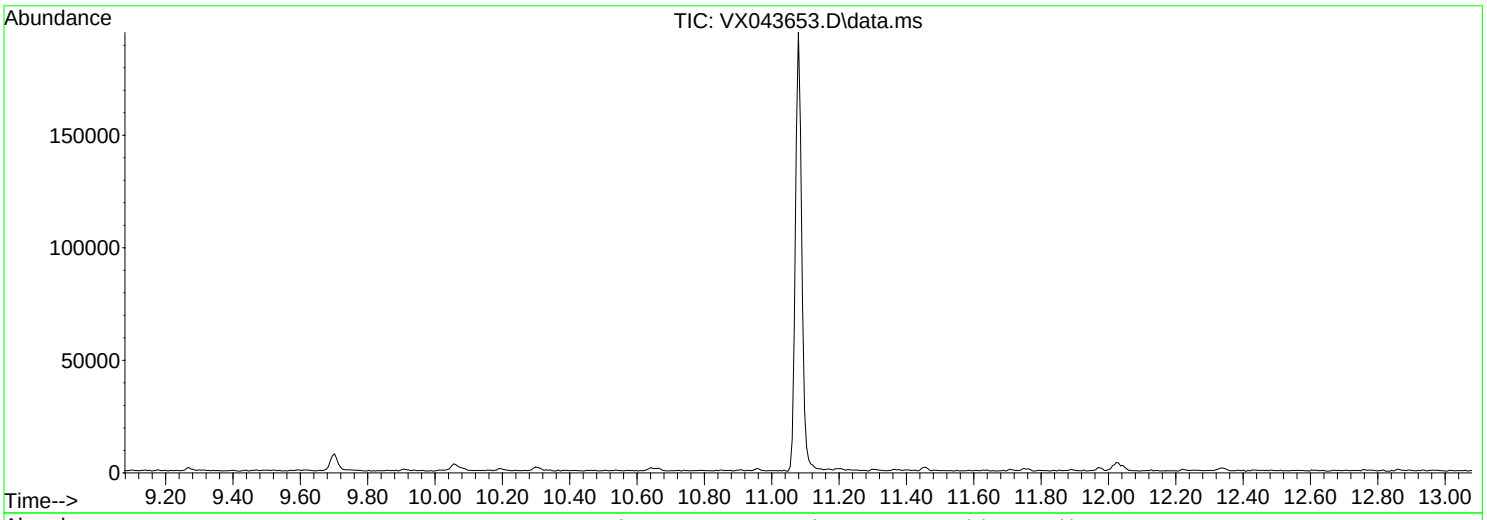
Sample Results: **VX043653.D**

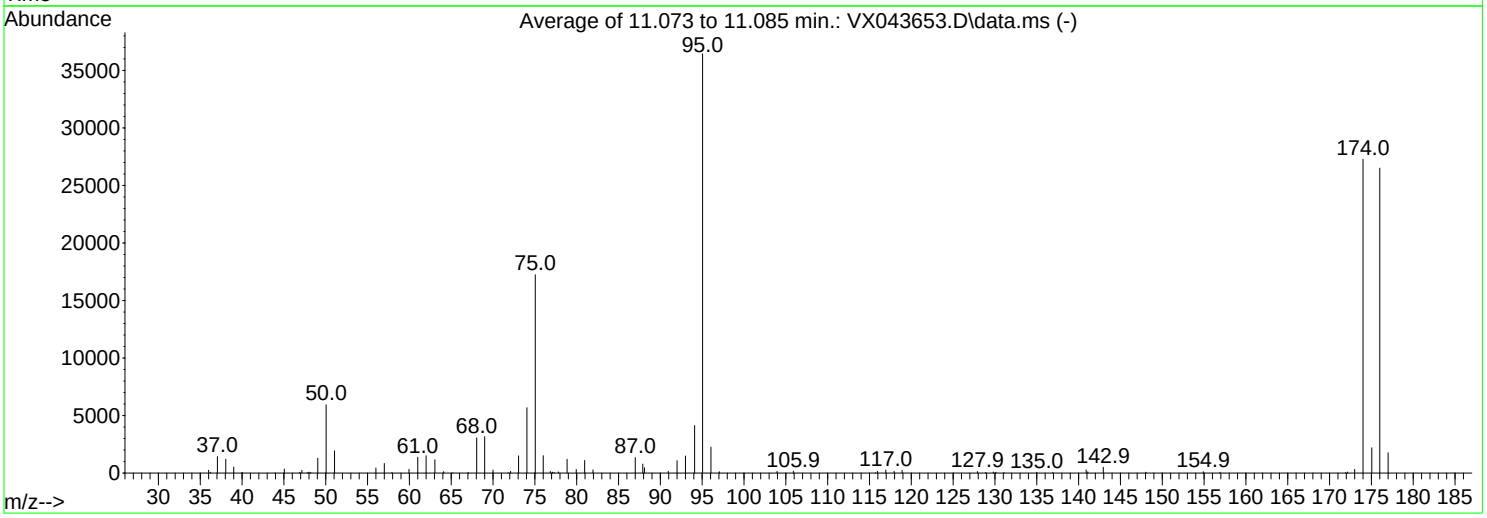
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043653.D
Acq On : 01 Nov 2024 08:38
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	5939	PASS
75	95	30	60	47.3	17241	PASS
95	95	100	100	100.0	36451	PASS
96	95	5	9	6.2	2258	PASS
173	174	0.00	2	1.2	318	PASS
174	95	50	100	74.9	27285	PASS
175	174	5	9	8.1	2199	PASS
176	174	95	101	97.1	26507	PASS
177	176	5	9	6.7	1765	PASS

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1101WBL01	SDG No.:	P4676
Lab Sample ID:	VX1101WBL01	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
VX043656.D	1		11/01/24 11:15	VX110124

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: **VX043656.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:	VX1101WBL01	SDG No.:	P4676
Lab Sample ID:	VX1101WBL01	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
VX043656.D	1		11/01/24 11:15	VX110124

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: **VX043656.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:	VX1101WBL01	SDG No.:	P4676
Lab Sample ID:	VX1101WBL01	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
VX043656.D	1		11/01/24 11:15	VX110124

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	41.0		74 - 125	82%	SPK: 50
1868-53-7	Dibromofluoromethane	45.0		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	5.55			
540-36-3	1,4-Difluorobenzene	270000	6.757			
3114-55-4	Chlorobenzene-d5	232000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.018			

Raw Data: **VX043656.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:	VX1101WBL01	SDG No.:	P4676
Lab Sample ID:	VX1101WBL01	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
VX043656.D	1		11/01/24 11:15	VX110124

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: **VX043656.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043656.D
Acq On : 01 Nov 2024 11:15
Operator : JC/MD
Sample : VX1101WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBL01

Quant Time: Nov 04 06:09:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

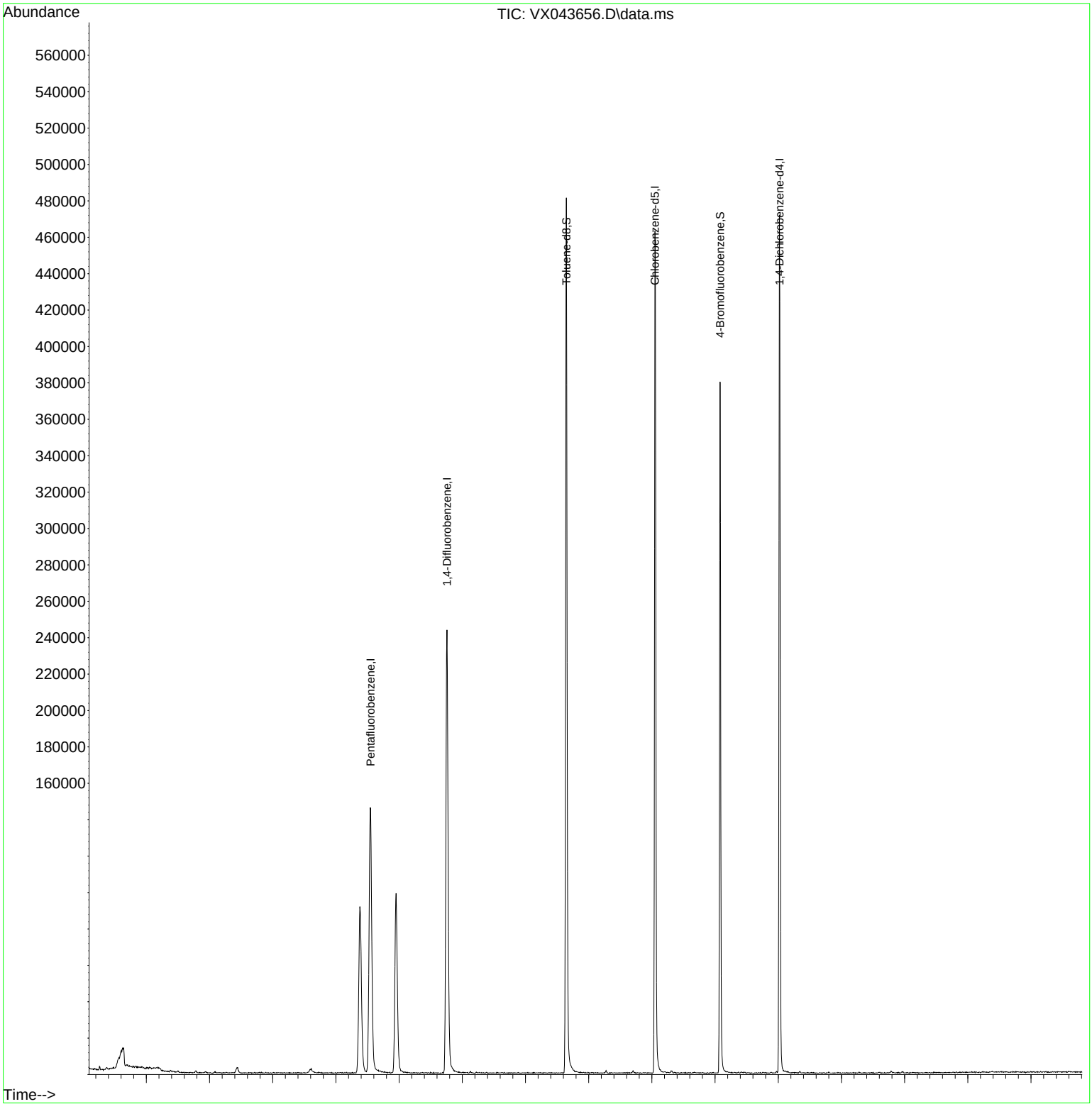
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	146410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	232441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95733	41.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 82.020%			
35) Dibromofluoromethane	5.379	113	82312	45.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.000%			
50) Toluene-d8	8.647	98	307422	48.552	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.100%			
62) 4-Bromofluorobenzene	11.079	95	105720	45.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.120%			
Target Compounds						Qvalue

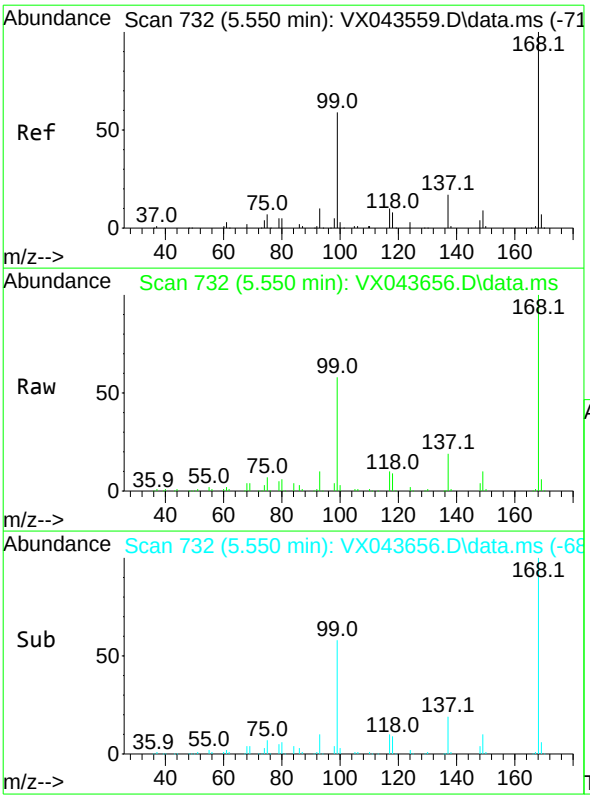
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043656.D
Acq On : 01 Nov 2024 11:15
Operator : JC/MD
Sample : VX1101WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBL01

Quant Time: Nov 04 06:09:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



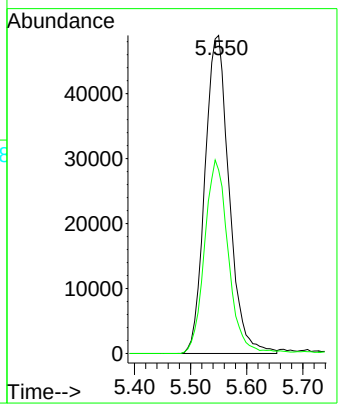


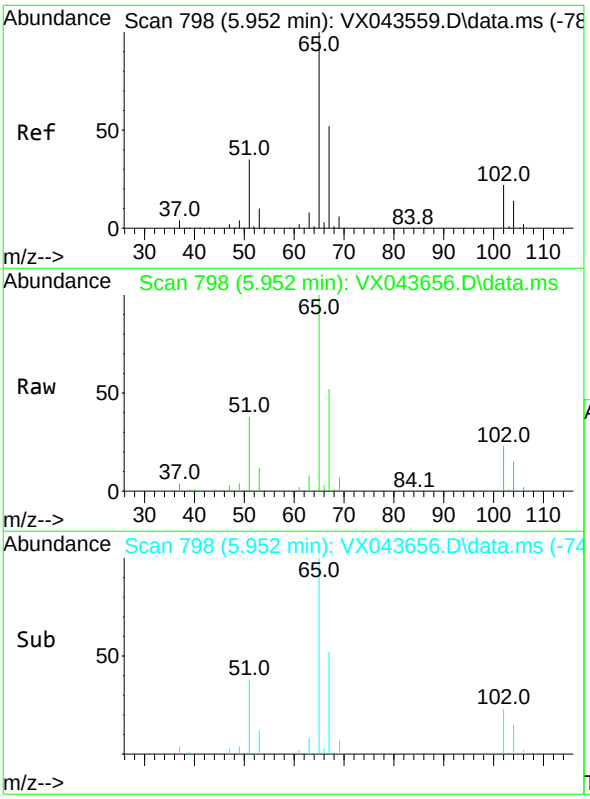
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBL01

Tgt Ion:168 Resp: 146410

Ion	Ratio	Lower	Upper
168	100		
99	57.7	52.6	78.8

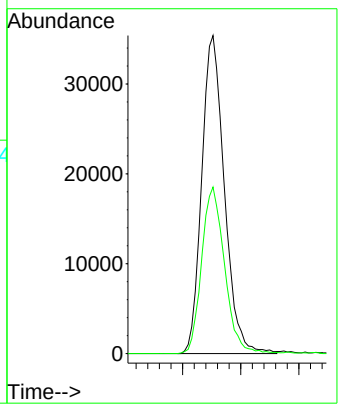


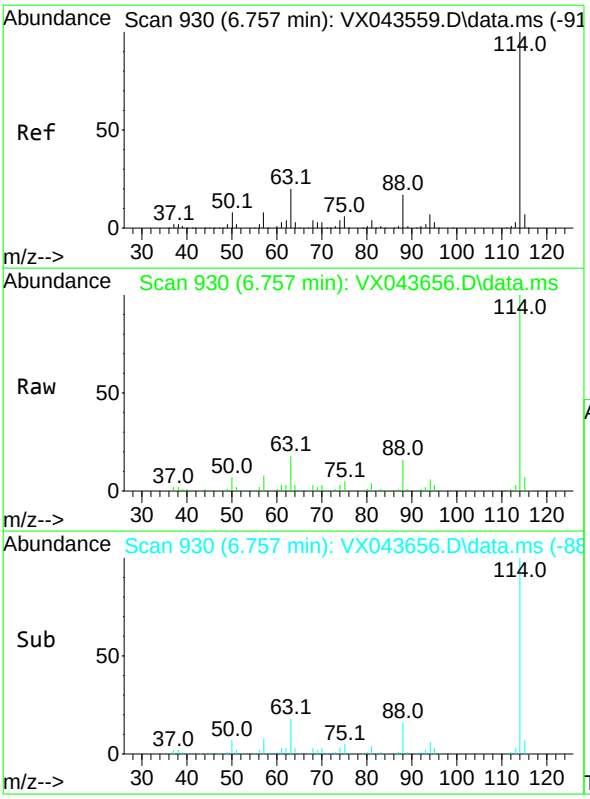


#33
1,2-Dichloroethane-d4
Concen: 41.007 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Tgt Ion: 65 Resp: 95733

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4



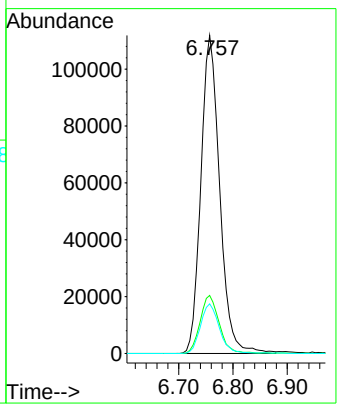


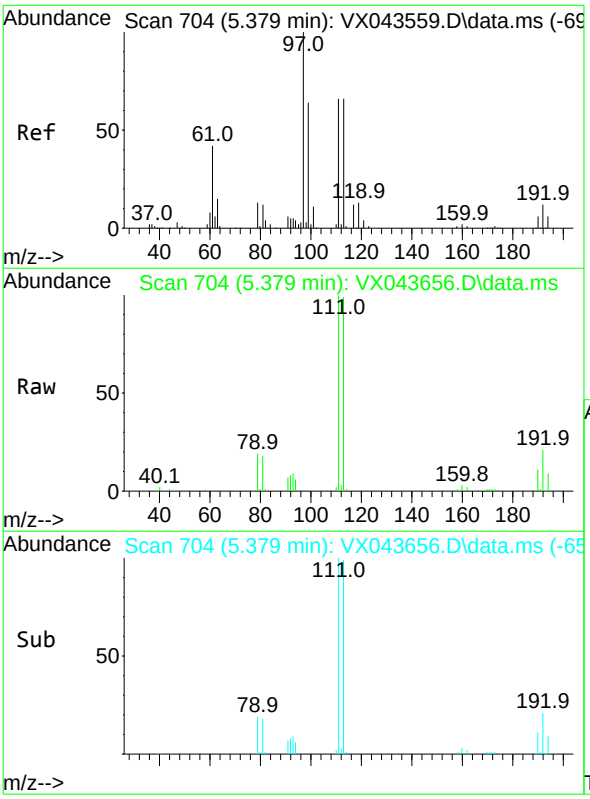
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBL01

Tgt Ion:114 Resp: 269747

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	41.2
88	15.6	0.0	34.0

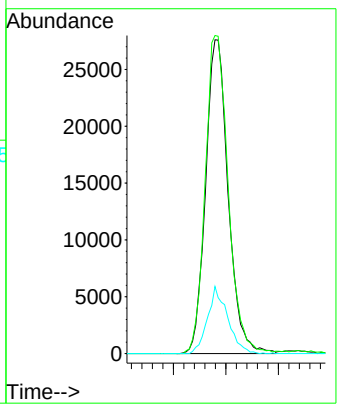


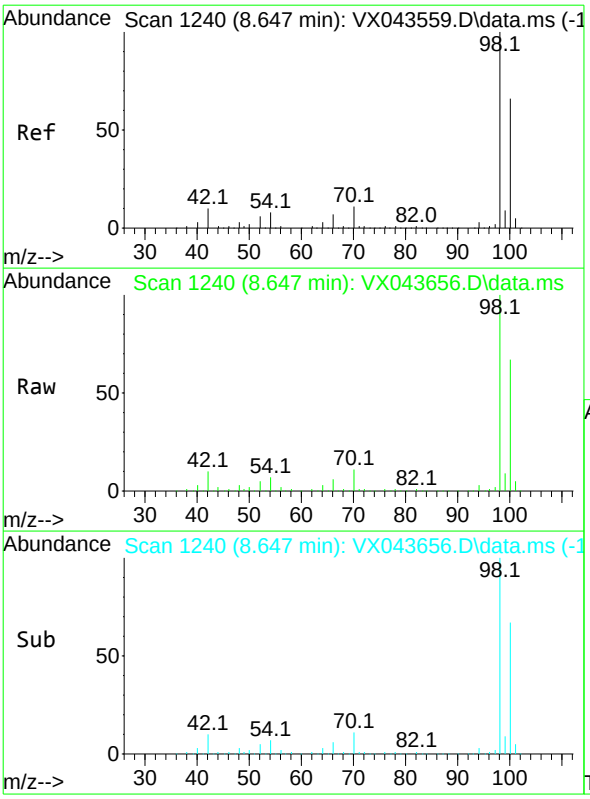


#35
Dibromofluoromethane
Concen: 45.000 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Tgt Ion:113 Resp: 82312

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	19.1	14.1	21.1



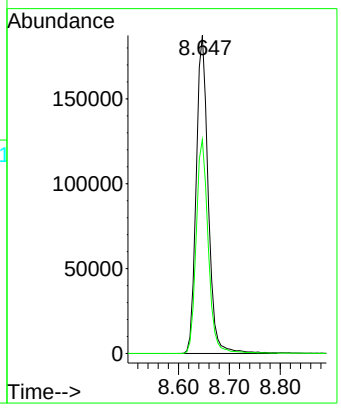


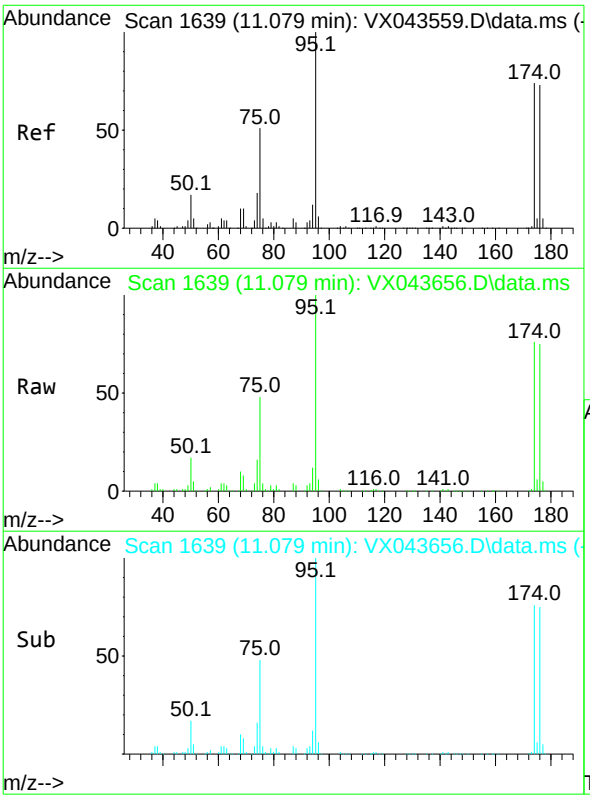
#50
Toluene-d8
Concen: 48.552 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBL01

Tgt Ion: 98 Resp: 307422

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.4	80.2

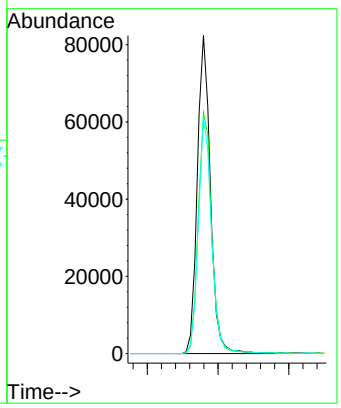


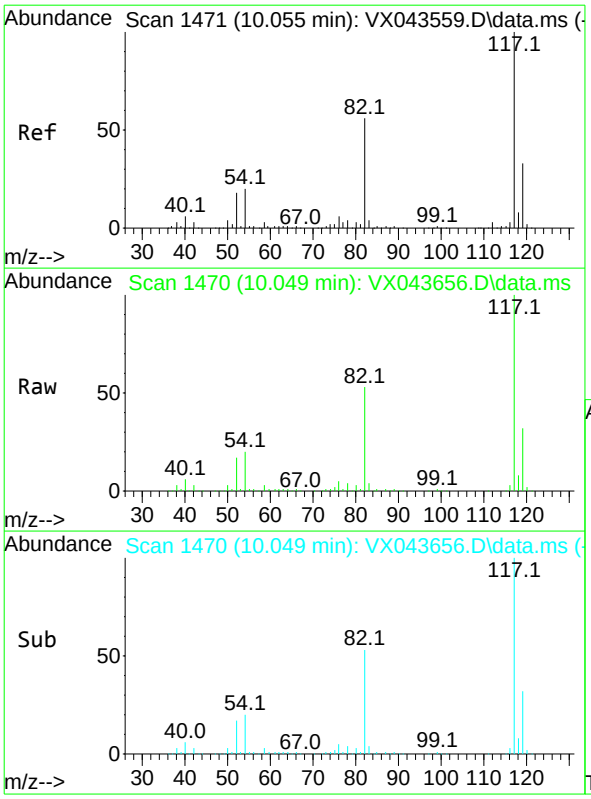


#62
4-Bromofluorobenzene
Concen: 45.059 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Tgt Ion: 95 Resp: 105720

Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	146.6
176	75.4	0.0	139.6



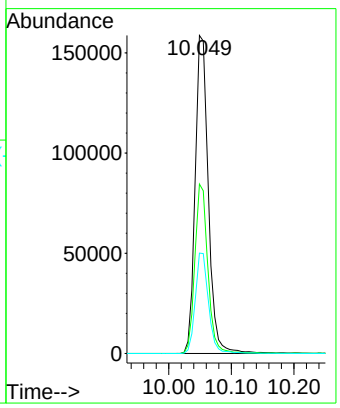


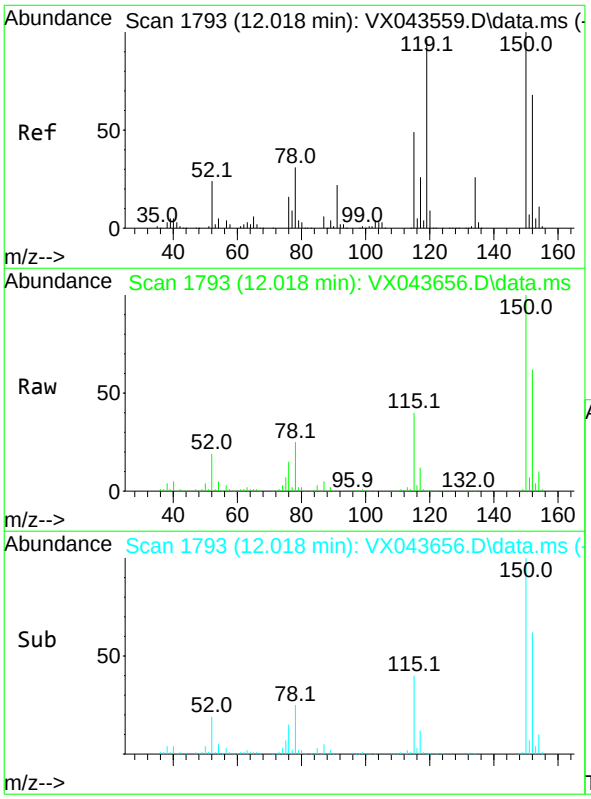
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBL01

Tgt Ion:117 Resp: 232441

Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.1	63.1
119	31.6	25.4	38.2

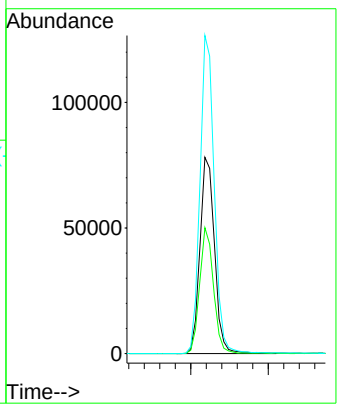




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043656.D
Acq: 01 Nov 2024 11:15

Tgt Ion:152 Resp: 102414

Ion	Ratio	Lower	Upper
152	100		
115	60.9	42.9	128.7
150	159.2	0.0	343.6



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX1101WBS01	SDG No.:	P4676
Lab Sample ID:	VX1101WBS01	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
VX043657.D	1		11/01/24 11:55	VX110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		0.21	1.00	ug/L
74-87-3	Chloromethane	16.2		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	19.9		0.38	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	24.3		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	7.60	J	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.26	1.00	ug/L
107-02-8	Acrolein	74.0		6.70	25.0	ug/L
107-13-1	Acrylonitrile	92.4		0.90	5.00	ug/L
67-64-1	Acetone	85.3		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.8		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.9		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	91.4		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.6		1.60	5.00	ug/L
78-93-3	2-Butanone	90.8		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	19.2		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.25	1.00	ug/L
74-97-5	Bromochloromethane	17.4		0.18	1.00	ug/L
67-66-3	Chloroform	18.7		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	22.0		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	20.4		0.18	1.00	ug/L

Raw Data: **VX043657.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:	VX1101WBS01	SDG No.:	P4676
Lab Sample ID:	VX1101WBS01	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
VX043657.D	1		11/01/24 11:55	VX110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.1		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	21.4		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
74-95-3	Dibromomethane	19.6		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		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	19.3		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	20.6		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	96.5		1.80	5.00	ug/L
591-78-6	2-Hexanone	99.9		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	21.1		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.8		0.21	1.00	ug/L
67-72-1	Hexachloroethane	21.4		0	0	ug/L
100-41-4	Ethyl Benzene	21.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	43.6		0.31	2.00	ug/L
95-47-6	o-Xylene	21.9		0.14	1.00	ug/L
100-42-5	Styrene	22.0		0.16	1.00	ug/L
75-25-2	Bromoform	19.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	22.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	19.7		0.39	1.00	ug/L
108-86-1	Bromobenzene	21.6		0.26	1.00	ug/L
103-65-1	n-propylbenzene	22.6		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	21.1		0.16	1.00	ug/L

Raw Data: **VX043657.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:	VX1101WBS01	SDG No.:	P4676
Lab Sample ID:	VX1101WBS01	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
VX043657.D	1		11/01/24 11:55	VX110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	22.0		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	21.1		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	22.6		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	22.0		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	23.3		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	23.1		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.2		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	23.4		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.2		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	23.3		0.31	1.00	ug/L
91-20-3	Naphthalene	20.6		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.8		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.5		74 - 125	79%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	5.544			
540-36-3	1,4-Difluorobenzene	325000	6.757			
3114-55-4	Chlorobenzene-d5	281000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.018			

Raw Data: **VX043657.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:	VX1101WBS01	SDG No.:	P4676
Lab Sample ID:	VX1101WBS01	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
VX043657.D	1		11/01/24 11:55	VX110124

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\VX110124\
Data File : VX043657.D
Acq On : 01 Nov 2024 11:55
Operator : JC/MD
Sample : VX1101WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:09:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	192584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	325239	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	281065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	133771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	121254	39.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 78.980%			
35) Dibromofluoromethane	5.379	113	103512	46.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.860%			
50) Toluene-d8	8.647	98	377785	49.485	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.960%			
62) 4-Bromofluorobenzene	11.079	95	138989	49.131	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35518	17.245	ug/l	98
3) Chloromethane	1.301	50	42772	16.246	ug/l	99
4) Vinyl Chloride	1.374	62	43144	17.657	ug/l	95
5) Bromomethane	1.593	94	17688	17.757	ug/l	97
6) Chloroethane	1.666	64	20944	24.330	ug/l	94
7) Trichlorofluoromethane	1.874	101	60571	20.292	ug/l	98
8) Diethyl Ether	2.130	74	24768	17.959	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	43206	21.403	ug/l	97
10) Methyl Iodide	2.441	142	57069	19.567	ug/l	97
11) Tert butyl alcohol	3.081	59	4334	7.562	ug/l #	100
12) 1,1-Dichloroethene	2.306	96	39886	19.335	ug/l	94
13) Acrolein	2.233	56	33155	73.968	ug/l	99
14) Allyl chloride	2.654	41	64920	18.195	ug/l	94
15) Acrylonitrile	3.062	53	119562	92.392	ug/l	99
16) Acetone	2.386	43	104046	85.324	ug/l	99
17) Carbon Disulfide	2.502	76	72835	16.884	ug/l	99
18) Methyl Acetate	2.703	43	63581	17.840	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	144318	18.395	ug/l	98
20) Methylene Chloride	2.782	84	47023	17.892	ug/l	92
21) trans-1,2-Dichloroethene	3.081	96	42219	19.371	ug/l	93
22) Diisopropyl ether	3.757	45	137326	18.620	ug/l	99
23) Vinyl Acetate	3.715	43	556609	91.351	ug/l	99
24) 1,1-Dichloroethane	3.605	63	79142	18.670	ug/l	99
25) 2-Butanone	4.556	43	161426	90.750	ug/l	97
26) 2,2-Dichloropropane	4.465	77	66700	19.223	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	54054	19.416	ug/l	95
28) Bromochloromethane	4.891	49	35176	17.444	ug/l	93
29) Tetrahydrofuran	5.001	42	103950	89.924	ug/l	95
30) Chloroform	5.086	83	82948	18.667	ug/l	99
31) Cyclohexane	5.458	56	63471	19.576	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	72258	19.369	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53321	20.389	ug/l	97
37) Ethyl Acetate	4.715	43	63125	19.883	ug/l	96
38) Carbon Tetrachloride	5.666	117	59518	20.598	ug/l	98
39) Methylcyclohexane	7.373	83	71306	21.962	ug/l	96
40) Benzene	6.031	78	175134	20.074	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043657.D
Acq On : 01 Nov 2024 11:55
Operator : JC/MD
Sample : VX1101WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:09:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	33014	19.810 ug/l	94
42) 1,2-Dichloroethane	6.080	62	58230	18.566 ug/l	94
43) Isopropyl Acetate	6.336	43	99988	19.043 ug/l	97
44) Trichloroethene	7.117	130	46299	21.362 ug/l	97
45) 1,2-Dichloropropane	7.428	63	42008	19.555 ug/l	99
46) Dibromomethane	7.574	93	32337	19.551 ug/l	96
47) Bromodichloromethane	7.818	83	57539	19.830 ug/l	93
48) Methyl methacrylate	7.690	41	47738	19.177 ug/l	95
49) 1,4-Dioxane	7.665	88	17211	336.524 ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	321244	100.384 ug/l	99
52) Toluene	8.714	92	111524	21.078 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	60005	19.254 ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	67681	20.382 ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	45619	20.714 ug/l	97
56) Ethyl methacrylate	9.116	69	72272	20.196 ug/l	93
57) 1,3-Dichloropropane	9.305	76	75465	20.602 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	167314	96.538 ug/l	98
59) 2-Hexanone	9.427	43	242739	99.871 ug/l	96
60) Dibromochloromethane	9.519	129	44614	20.458 ug/l	99
61) 1,2-Dibromoethane	9.610	107	45860	20.060 ug/l	99
64) Tetrachloroethene	9.269	164	39644	22.426 ug/l	95
65) Chlorobenzene	10.079	112	127314	21.055 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	41116	20.817 ug/l	96
67) Ethyl Benzene	10.189	91	211534	21.453 ug/l	98
68) m/p-Xylenes	10.299	106	164432	43.608 ug/l	96
69) o-Xylene	10.640	106	82921	21.887 ug/l	96
70) Styrene	10.653	104	138591	22.009 ug/l	98
71) Bromoform	10.799	173	28030	19.738 ug/l #	98
73) Isopropylbenzene	10.957	105	211027	22.270 ug/l	99
74) N-amyl acetate	10.842	43	87496	18.954 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	68725	20.169 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	56252m	19.667 ug/l	
77) Bromobenzene	11.195	156	52854	21.601 ug/l	96
78) n-propylbenzene	11.305	91	233702	22.620 ug/l	98
79) 2-Chlorotoluene	11.366	91	144814	21.138 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	173668	21.981 ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	19198	18.465 ug/l	98
82) 4-Chlorotoluene	11.451	91	162208	21.094 ug/l	95
83) tert-Butylbenzene	11.713	119	181963	22.646 ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	177537	22.049 ug/l	98
85) sec-Butylbenzene	11.890	105	219301	23.284 ug/l	98
86) p-Isopropyltoluene	12.006	119	185071	23.117 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	94511	21.550 ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	96311	21.194 ug/l	98
89) n-Butylbenzene	12.329	91	152461	23.371 ug/l	98
90) Hexachloroethane	12.536	117	27805	21.382 ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	96889	21.605 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12856	18.507 ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	57653	21.180 ug/l	98
94) Hexachlorobutadiene	13.725	225	23385	23.301 ug/l	98
95) Naphthalene	13.774	128	214473	20.590 ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	59556	20.751 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043657.D
Acq On : 01 Nov 2024 11:55
Operator : JC/MD
Sample : VX1101WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:09:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

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

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

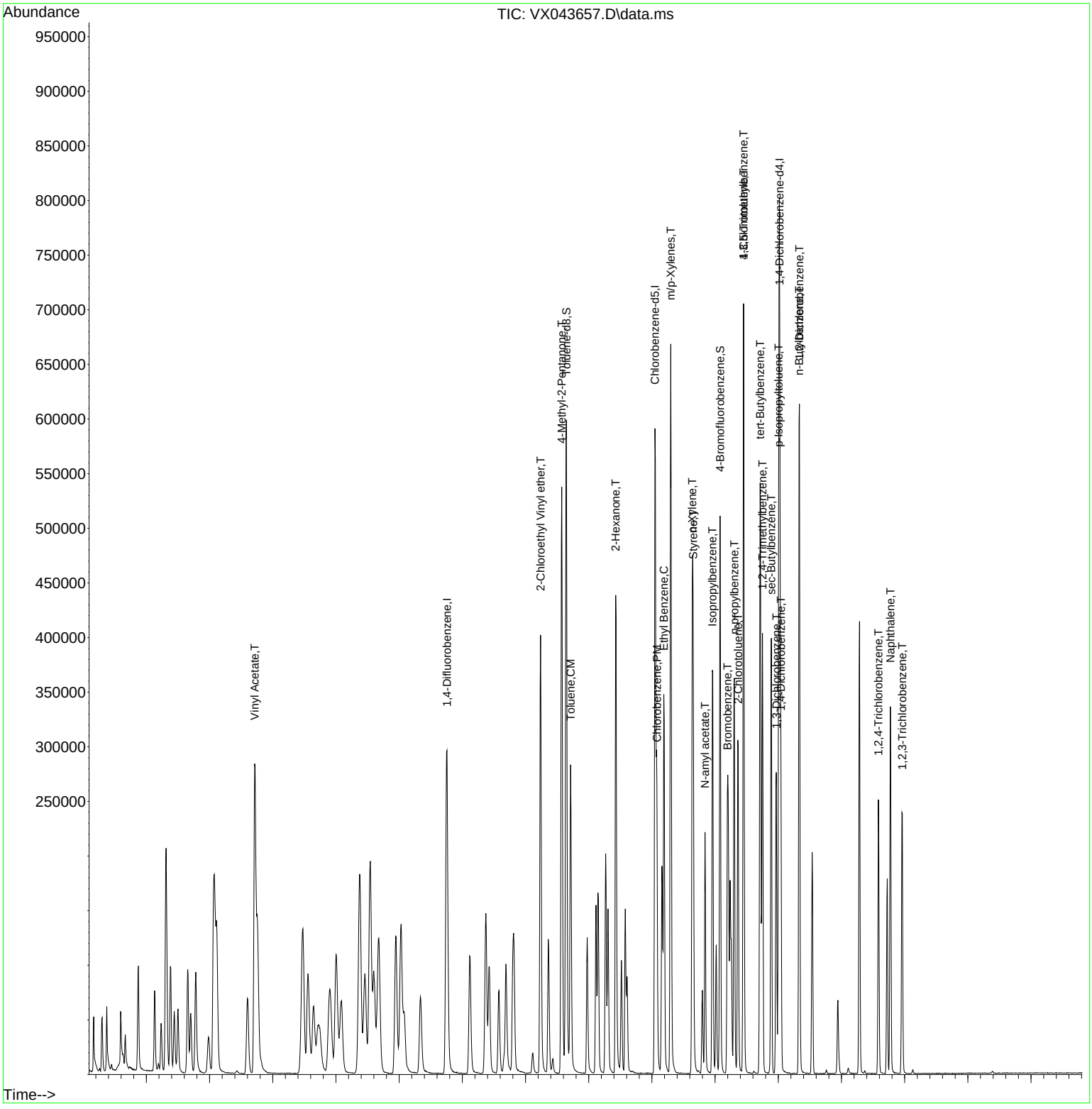
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043657.D
Acq On : 01 Nov 2024 11:55
Operator : JC/MD
Sample : VX1101WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:09:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024



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:	VX1101WBSD01	SDG No.:	P4676
Lab Sample ID:	VX1101WBSD01	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
VX043658.D	1		11/01/24 12:18	VX110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.6		0.21	1.00	ug/L
74-87-3	Chloromethane	16.5		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	20.9		0.38	1.00	ug/L
74-83-9	Bromomethane	19.3		1.40	5.00	ug/L
75-00-3	Chloroethane	24.3		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	7.90	J	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	20.4		0.26	1.00	ug/L
107-02-8	Acrolein	82.0		6.70	25.0	ug/L
107-13-1	Acrylonitrile	99.8		0.90	5.00	ug/L
67-64-1	Acetone	91.7		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.2		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	97.9		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.5		1.60	5.00	ug/L
78-93-3	2-Butanone	98.2		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	19.7		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	18.9		0.18	1.00	ug/L
67-66-3	Chloroform	19.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.1		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	19.8		0.18	1.00	ug/L

Raw Data: **VX043658.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:	VX1101WBSD01	SDG No.:	P4676
Lab Sample ID:	VX1101WBSD01	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
VX043658.D	1		11/01/24 12:18	VX110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	21.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
74-95-3	Dibromomethane	20.4		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	20.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.8		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		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	22.0		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	21.4		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	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	21.2		0.21	1.00	ug/L
67-72-1	Hexachloroethane	21.2		0	0	ug/L
100-41-4	Ethyl Benzene	21.1		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.6		0.31	2.00	ug/L
95-47-6	o-Xylene	21.5		0.14	1.00	ug/L
100-42-5	Styrene	21.6		0.16	1.00	ug/L
75-25-2	Bromoform	19.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	22.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.2		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	20.5		0.39	1.00	ug/L
108-86-1	Bromobenzene	21.8		0.26	1.00	ug/L
103-65-1	n-propylbenzene	22.3		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	21.2		0.16	1.00	ug/L

Raw Data: **VX043658.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:	VX1101WBSD01	SDG No.:	P4676
Lab Sample ID:	VX1101WBSD01	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
VX043658.D	1		11/01/24 12:18	VX110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	22.3		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	21.0		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	22.5		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	22.0		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	22.8		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	23.0		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.8		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	22.4		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.7		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.9		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	21.9		0.31	1.00	ug/L
91-20-3	Naphthalene	21.0		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.9		74 - 125	82%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	5.55			
540-36-3	1,4-Difluorobenzene	295000	6.757			
3114-55-4	Chlorobenzene-d5	267000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.018			

Raw Data: **VX043658.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:	VX1101WBSD01	SDG No.:	P4676
Lab Sample ID:	VX1101WBSD01	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
VX043658.D	1		11/01/24 12:18	VX110124

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: **VX043658.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043658.D
Acq On : 01 Nov 2024 12:18
Operator : JC/MD
Sample : VX1101WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:10:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	170511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295391	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	111140	40.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 81.760%			
35) Dibromofluoromethane	5.379	113	95687	47.771	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.540%			
50) Toluene-d8	8.647	98	353199	50.939	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.880%			
62) 4-Bromofluorobenzene	11.079	95	127360	49.570	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	32176	17.645	ug/l	98
3) Chloromethane	1.301	50	38506	16.519	ug/l	99
4) Vinyl Chloride	1.374	62	39283	18.158	ug/l	97
5) Bromomethane	1.593	94	16995	19.270	ug/l	94
6) Chloroethane	1.666	64	18522	24.302	ug/l	98
7) Trichlorofluoromethane	1.868	101	54942	20.789	ug/l	100
8) Diethyl Ether	2.136	74	23842	19.525	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	37594	21.034	ug/l	96
10) Methyl Iodide	2.441	142	51881	20.091	ug/l	96
11) Tert butyl alcohol	3.087	59	4027	7.935	ug/l #	100
12) 1,1-Dichloroethene	2.307	96	37195	20.364	ug/l	94
13) Acrolein	2.239	56	32549	82.017	ug/l	97
14) Allyl chloride	2.654	41	59157	18.726	ug/l	95
15) Acrylonitrile	3.069	53	114296	99.757	ug/l	100
16) Acetone	2.386	43	99045	91.737	ug/l	100
17) Carbon Disulfide	2.502	76	65506	17.151	ug/l	99
18) Methyl Acetate	2.709	43	60695	19.235	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	133714	19.250	ug/l	98
20) Methylene Chloride	2.782	84	43253	18.588	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	37755	19.566	ug/l	94
22) Diisopropyl ether	3.757	45	127479	19.522	ug/l #	86
23) Vinyl Acetate	3.721	43	528361	97.941	ug/l	97
24) 1,1-Dichloroethane	3.605	63	73268	19.522	ug/l	99
25) 2-Butanone	4.562	43	154628	98.181	ug/l	99
26) 2,2-Dichloropropane	4.465	77	60631	19.736	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	49603	20.123	ug/l	96
28) Bromochloromethane	4.891	49	33829	18.948	ug/l	95
29) Tetrahydrofuran	5.013	42	98651	96.387	ug/l	95
30) Chloroform	5.087	83	76075	19.337	ug/l	99
31) Cyclohexane	5.465	56	55857	19.458	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	66656	20.180	ug/l	98
36) 1,1-Dichloropropene	5.684	75	47040	19.805	ug/l	95
37) Ethyl Acetate	4.715	43	60177	20.869	ug/l	98
38) Carbon Tetrachloride	5.672	117	53262	20.295	ug/l	97
39) Methylcyclohexane	7.373	83	62209	21.096	ug/l	97
40) Benzene	6.031	78	165244	20.855	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043658.D
Acq On : 01 Nov 2024 12:18
Operator : JC/MD
Sample : VX1101WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:10:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.922	41	31810	21.016 ug/l	95
42) 1,2-Dichloroethane	6.086	62	55485	19.478 ug/l	97
43) Isopropyl Acetate	6.342	43	94771	19.874 ug/l	97
44) Trichloroethene	7.123	130	42877	21.782 ug/l	92
45) 1,2-Dichloropropane	7.428	63	40307	20.660 ug/l	94
46) Dibromomethane	7.580	93	30688	20.428 ug/l	96
47) Bromodichloromethane	7.818	83	53991	20.487 ug/l	96
48) Methyl methacrylate	7.696	41	44566	19.712 ug/l	93
49) 1,4-Dioxane	7.665	88	16883	363.467 ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	310681	106.893 ug/l	98
52) Toluene	8.714	92	104615	21.771 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	56403	19.927 ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	63533	21.066 ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	43920	21.958 ug/l	99
56) Ethyl methacrylate	9.116	69	69334	21.333 ug/l	94
57) 1,3-Dichloropropane	9.305	76	71087	21.368 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	158565	100.735 ug/l	97
59) 2-Hexanone	9.433	43	236992	107.359 ug/l	97
60) Dibromochloromethane	9.519	129	42949	21.684 ug/l	99
61) 1,2-Dibromoethane	9.610	107	44963	21.655 ug/l	98
64) Tetrachloroethene	9.269	164	36634	21.777 ug/l	92
65) Chlorobenzene	10.080	112	117888	20.487 ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	39874	21.214 ug/l	98
67) Ethyl Benzene	10.195	91	198315	21.135 ug/l	98
68) m/p-Xylenes	10.299	106	152749	42.569 ug/l	96
69) o-Xylene	10.640	106	77654	21.539 ug/l	96
70) Styrene	10.653	104	129520	21.614 ug/l	99
71) Bromoform	10.799	173	26689	19.749 ug/l #	97
73) Isopropylbenzene	10.964	105	196938	22.314 ug/l	99
74) N-amyl acetate	10.842	43	84722	19.706 ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	67237	21.186 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	54533m	20.471 ug/l	
77) Bromobenzene	11.195	156	49708	21.812 ug/l	96
78) n-propylbenzene	11.305	91	214258	22.266 ug/l	98
79) 2-Chlorotoluene	11.366	91	135438	21.226 ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	164009	22.288 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	19253	19.883 ug/l	95
82) 4-Chlorotoluene	11.451	91	150627	21.032 ug/l	96
83) tert-Butylbenzene	11.713	119	168371	22.498 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	165137	22.020 ug/l	96
85) sec-Butylbenzene	11.890	105	199666	22.762 ug/l	97
86) p-Isopropyltoluene	12.006	119	171707	23.028 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	87486	21.418 ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	88050	20.804 ug/l	98
89) n-Butylbenzene	12.329	91	136251	22.425 ug/l	98
90) Hexachloroethane	12.536	117	25683	21.205 ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	90520	21.672 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12763	19.727 ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	53091	20.941 ug/l	100
94) Hexachlorobutadiene	13.725	225	20508	21.940 ug/l	98
95) Naphthalene	13.774	128	203627	20.989 ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	56609	21.178 ug/l	99

Sample Results: **VX043658.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043658.D
Acq On : 01 Nov 2024 12:18
Operator : JC/MD
Sample : VX1101WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Quant Time: Nov 04 06:10:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

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

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

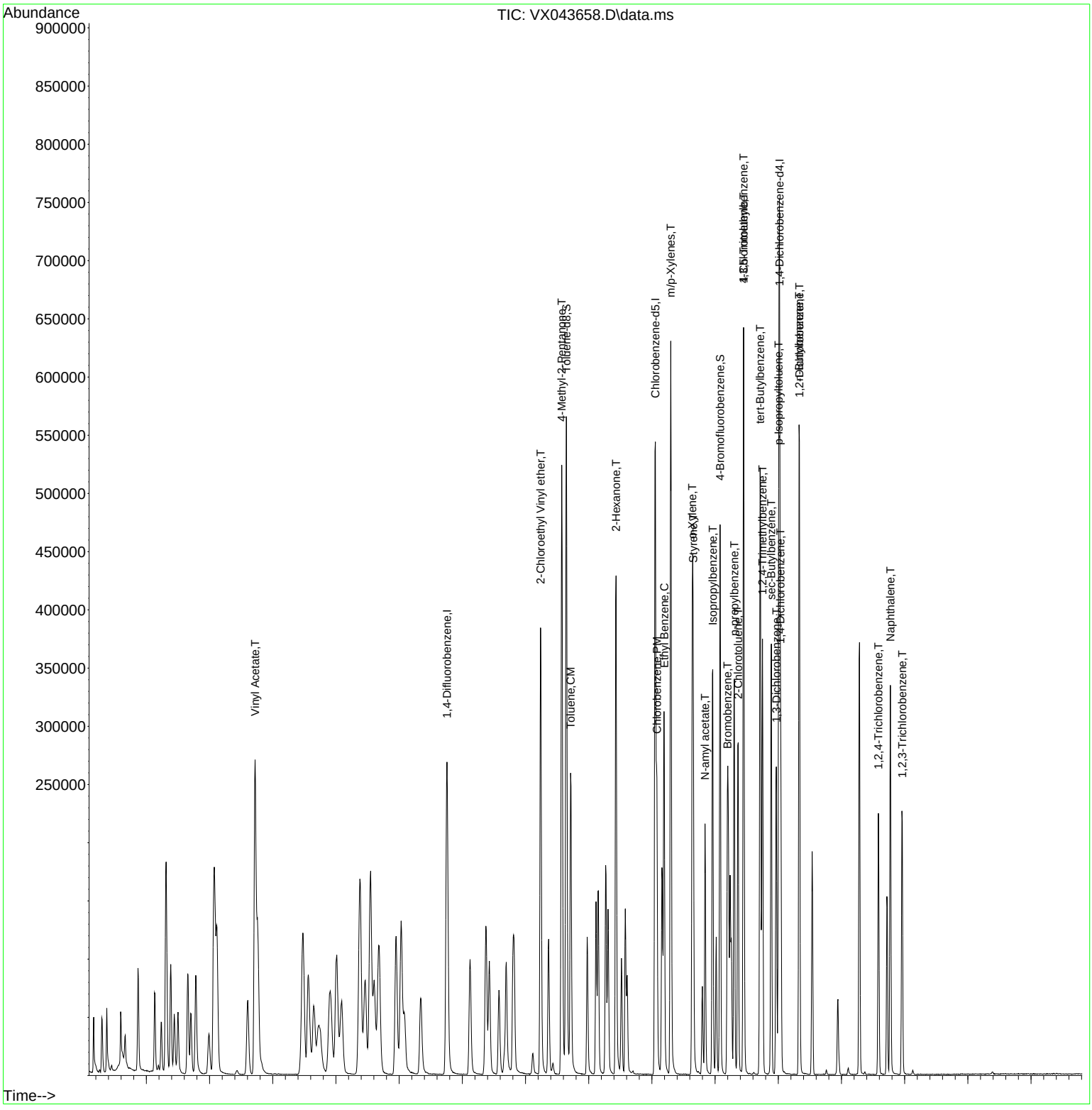
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110124\
Data File : VX043658.D
Acq On : 01 Nov 2024 12:18
Operator : JC/MD
Sample : VX1101WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 06:10:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1101WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024



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Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX043556.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	1,4-Dichlorobenzene	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Ethyl Acetate	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Methacrylonitrile	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC005	VX043557.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:13 AM	MMDadoda	10/29/2024 12:19:39 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	Tert butyl alcohol	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	Tert butyl alcohol	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICC100	VX043560.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:22 AM	MMDadoda	10/29/2024 12:19:34 PM	Peak Integrated by Software
VSTDICC150	VX043561.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:57 AM	MMDadoda	10/29/2024 12:19:32 PM	Peak Integrated by Software
VSTDICV050	VX043563.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:27 AM	MMDadoda	10/29/2024 12:19:30 PM	Peak Integrated by Software
VSTDCCC050	VX043581.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:42 AM	MMDadoda	10/29/2024 12:19:26 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX110124	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043654.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:56:42 PM	SAM	11/4/2024 5:58:46 PM	Peak Integrated by Software
VX1101WBS01	VX043657.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:56:44 PM	SAM	11/4/2024 5:58:47 PM	Peak Integrated by Software
VX1101WBSD01	VX043658.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:56:46 PM	SAM	11/4/2024 5:58:48 PM	Peak Integrated by Software
VSTDCCC050	VX043671.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:56:53 PM	SAM	11/4/2024 5:58:54 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

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

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043555.D	28 Oct 2024 10:09	JC/MD	Ok
2	VSTDICC001	VX043556.D	28 Oct 2024 10:59	JC/MD	Ok,M
3	VSTDICC005	VX043557.D	28 Oct 2024 11:22	JC/MD	Ok,M
4	VSTDICC020	VX043558.D	28 Oct 2024 11:45	JC/MD	Ok,M
5	VSTDICCC050	VX043559.D	28 Oct 2024 12:08	JC/MD	Ok,M
6	VSTDICC100	VX043560.D	28 Oct 2024 12:31	JC/MD	Ok,M
7	VSTDICC150	VX043561.D	28 Oct 2024 12:54	JC/MD	Ok,M
8	VIBLK	VX043562.D	28 Oct 2024 14:04	JC/MD	Ok
9	VSTDICV050	VX043563.D	28 Oct 2024 14:27	JC/MD	Ok,M
10	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	JC/MD	Not Ok
11	VX1028WBL01	VX043565.D	28 Oct 2024 15:52	JC/MD	Ok
12	VX1028WBS01	VX043566.D	28 Oct 2024 16:28	JC/MD	Ok,M
13	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51	JC/MD	Ok,M
14	PB164394TB	VX043568.D	28 Oct 2024 17:14	JC/MD	Ok
15	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	JC/MD	Ok
16	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	JC/MD	Ok
17	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	JC/MD	Ok
18	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	JC/MD	Ok
19	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	JC/MD	Ok
20	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	JC/MD	Ok
21	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

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

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

22	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	JC/MD	Ok
23	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	JC/MD	Ok
24	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	JC/MD	Ok
25	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	JC/MD	Ok
26	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	JC/MD	Ok
27	VSTDCCC050	VX043581.D	28 Oct 2024 22:15	JC/MD	Not Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110124

Review By	Mahesh Dadoda	Review On	11/4/2024 5:56:58 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/4/2024 5:58:56 PM				
SubDirectory	VX110124	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131229
Initial Calibration Stds	
CCC	VP131231,VP131232
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043653.D	01 Nov 2024 08:38	JC/MD	Ok
2	VSTDCCC050	VX043654.D	01 Nov 2024 10:12	JC/MD	Ok,M
3	VX1101MBL01	VX043655.D	01 Nov 2024 10:52	JC/MD	Ok
4	VX1101WBL01	VX043656.D	01 Nov 2024 11:15	JC/MD	Ok
5	VX1101WBS01	VX043657.D	01 Nov 2024 11:55	JC/MD	Ok,M
6	VX1101WBSD01	VX043658.D	01 Nov 2024 12:18	JC/MD	Ok,M
7	VIBLK 1	VX043659.D	01 Nov 2024 12:41	JC/MD	Ok
8	VIBLK 2	VX043660.D	01 Nov 2024 13:04	JC/MD	Ok
9	P4676-01	VX043661.D	01 Nov 2024 13:57	JC/MD	Ok
10	P4676-02	VX043662.D	01 Nov 2024 14:20	JC/MD	Ok
11	P4676-03	VX043663.D	01 Nov 2024 14:43	JC/MD	Ok
12	P4676-04	VX043664.D	01 Nov 2024 15:07	JC/MD	Ok
13	P4562-02	VX043665.D	01 Nov 2024 15:32	JC/MD	Ok
14	VIBLK	VX043666.D	01 Nov 2024 16:22	JC/MD	Ok
15	P4613-01ME	VX043667.D	01 Nov 2024 16:46	JC/MD	Not Ok
16	VIBLK	VX043668.D	01 Nov 2024 17:09	JC/MD	Ok
17	VX1101MBS01	VX043669.D	01 Nov 2024 17:32	JC/MD	Ok,M
18	VX1101MBSD01	VX043670.D	01 Nov 2024 17:55	JC/MD	Ok,M
19	VSTDCCC050	VX043671.D	01 Nov 2024 18:18	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

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

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

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

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110124

Review By	Mahesh Dadoda	Review On	11/4/2024 5:56:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/4/2024 5:58:56 PM		
SubDirectory	VX110124	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131229
Initial Calibration Stds	
CCC	VP131231,VP131232
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043653.D	01 Nov 2024 08:38		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043654.D	01 Nov 2024 10:12	CCAL failed low for comp. #11	JC/MD	Ok,M
3	VX1101MBL01	VX1101MBL01	VX043655.D	01 Nov 2024 10:52		JC/MD	Ok
4	VX1101WBL01	VX1101WBL01	VX043656.D	01 Nov 2024 11:15		JC/MD	Ok
5	VX1101WBS01	VX1101WBS01	VX043657.D	01 Nov 2024 11:55	BSD failed low for comp. #11	JC/MD	Ok,M
6	VX1101WBSD01	VX1101WBSD01	VX043658.D	01 Nov 2024 12:18	BSD failed low for comp. #11	JC/MD	Ok,M
7	VIBLK 1	VIBLK 1	VX043659.D	01 Nov 2024 12:41		JC/MD	Ok
8	VIBLK 2	VIBLK 2	VX043660.D	01 Nov 2024 13:04		JC/MD	Ok
9	P4676-01	Storage-Blank-SOIL-RE	VX043661.D	01 Nov 2024 13:57	vial A pH<2	JC/MD	Ok
10	P4676-02	Storage-Blank-WATER-	VX043662.D	01 Nov 2024 14:20	vial A pH<2	JC/MD	Ok
11	P4676-03	Storage-Blank-WATER-	VX043663.D	01 Nov 2024 14:43	vial A pH<2	JC/MD	Ok
12	P4676-04	Storage-Blank-SAMPLE	VX043664.D	01 Nov 2024 15:07	vial A pH<2	JC/MD	Ok
13	P4562-02	Storage-Blank-WATER-	VX043665.D	01 Nov 2024 15:32	vial B pH<2	JC/MD	Ok
14	VIBLK	VIBLK	VX043666.D	01 Nov 2024 16:22		JC/MD	Ok
15	P4613-01ME	ARS20-0001ME	VX043667.D	01 Nov 2024 16:46	Not req.	JC/MD	Not Ok
16	VIBLK	VIBLK	VX043668.D	01 Nov 2024 17:09		JC/MD	Ok
17	VX1101MBS01	VX1101MBS01	VX043669.D	01 Nov 2024 17:32		JC/MD	Ok,M
18	VX1101MBSD01	VX1101MBSD01	VX043670.D	01 Nov 2024 17:55		JC/MD	Ok,M

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX110124

Review By	Mahesh Dadoda	Review On	11/4/2024 5:56:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/4/2024 5:58:56 PM		
SubDirectory	VX110124	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131229
Initial Calibration Stds	
CCC	VP131231,VP131232
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VX043671.D	01 Nov 2024 18:18		JC/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 11:30
In Date: 11/03/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/04/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLIDS-OVEN

QC: LB133260

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
P4676-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
P4676-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
P4676-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
P4676-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
P4676-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
P4676-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
P4676-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
P4676-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
P4676-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
P4676-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	

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

WORKLIST(Hardcopy Internal Chain)

WB 133260

WorkList Name : %1-110324 **WorkList ID :** 185039 **Department :** Wet-Chemistry **Date :** 11-03-2024 07:39:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4676-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO
P4676-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/01/2024	Chemtech -SO

Date/Time 11/03/24 08:10

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 11/03/24 11:40

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

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

Laboratory Certification

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