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:	Q1180	**OrderDate:**	1/24/2025 8:56:00 AM
Client:	Chemtech Consulting Group	**Project:**	Weekly Storage Blanks
Contact:	QA Officer	**Location:**	E11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1180-01	**Storage-Blank-SOIL-REF-6**	**Water**			**01/24/25**			**01/24/25**
			VOC- Chemtech Full	8260-Low			01/27/25	
Q1180-02	**Storage-Blank-WATER-REF-5**	**Water**			**01/24/25**			**01/24/25**
			VOC- Chemtech Full	8260-Low			01/27/25	
Q1180-03	**Storage-Blank-WATER-REF-4**	**Water**			**01/24/25**			**01/24/25**
			VOC- Chemtech Full	8260-Low			01/27/25	
Q1180-04	**Storage-Blank-SAMPLE-MANAGEMENT**	**Water**			**01/24/25**			**01/24/25**
			VOC- Chemtech Full	8260-Low			01/28/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1180

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1180

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1180-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	49.7	99	74	125
		Dibromofluoromethane	50	50.9	102	75	124
		Toluene-d8	50	55.2	110	86	113
		4-Bromofluorobenzene	50	51.1	102	77	121
Q1180-02	Storage-Blank-WATER-REF-5	1,2-Dichloroethane-d4	50	49.2	98	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	55.2	110	86	113
		4-Bromofluorobenzene	50	52.9	106	77	121
Q1180-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	49.0	98	74	125
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	55.0	110	86	113
		4-Bromofluorobenzene	50	52.3	105	77	121
Q1180-04	Storage-Blank-SAMPLE-MANAGEME	1,2-Dichloroethane-d4	50	53.7	107	74	125
		Dibromofluoromethane	50	52.8	106	75	124
		Toluene-d8	50	49.9	100	86	113
		4-Bromofluorobenzene	50	42.9	86	77	121
VN0128WBL01	VN0128WBL01	1,2-Dichloroethane-d4	50	53.7	107	74	125
		Dibromofluoromethane	50	52.2	104	75	124
		Toluene-d8	50	50.0	100	86	113
		4-Bromofluorobenzene	50	44.2	88	77	121
VN0128WBS01	VN0128WBS01	1,2-Dichloroethane-d4	50	51.1	102	74	125
		Dibromofluoromethane	50	53.2	106	75	124
		Toluene-d8	50	54.1	108	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121
VN0128WBSD0	VN0128WBSD01	1,2-Dichloroethane-d4	50	50.3	101	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	51.0	102	77	121
VX0127WBL01	VX0127WBL01	1,2-Dichloroethane-d4	50	47.7	95	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	54.6	109	86	113
		4-Bromofluorobenzene	50	56.1	112	77	121
VX0127WBS01	VX0127WBS01	1,2-Dichloroethane-d4	50	41.6	83	74	125
		Dibromofluoromethane	50	45.8	92	75	124
		Toluene-d8	50	48.4	97	86	113
		4-Bromofluorobenzene	50	46.8	94	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1180

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085529.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0128WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			69	116	
	Chloromethane	20	17.3	ug/L	86			65	116	
	Vinyl chloride	20	18.2	ug/L	91			65	117	
	Ethyl Acetate	20	20.7	ug/L	104			75	115	
	Bromomethane	20	19.5	ug/L	98			58	125	
	Chloroethane	20	19.8	ug/L	99			56	128	
	Trichlorofluoromethane	20	20.7	ug/L	104			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/L	103			80	112	
	Tert butyl alcohol	100	110	ug/L	110			73	124	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	Acrolein	100	84.7	ug/L	85			51	143	
	Acrylonitrile	100	110	ug/L	110			73	113	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	16.4	ug/L	82			64	112	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			78	114	
	Methyl Acetate	20	22.8	ug/L	114			67	125	
	Methylene Chloride	20	19.8	ug/L	99			72	114	
	trans-1,2-Dichloroethene	20	18.9	ug/L	95			75	108	
	Vinyl Acetate	100	100	ug/L	100			76	115	
	1,1-Dichloroethane	20	20.1	ug/L	101			78	112	
	Cyclohexane	20	17.6	ug/L	88			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	20.5	ug/L	103			77	113	
	2,2-Dichloropropane	20	22.1	ug/L	111			75	116	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			77	110	
	Bromochloromethane	20	16.1	ug/L	81			70	124	
	Chloroform	20	20.6	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	20.4	ug/L	102			80	108	
	Methylcyclohexane	20	18.9	ug/L	95			72	115	
	1,1-Dichloropropene	20	19.7	ug/L	99			79	110	
	Benzene	20	20.7	ug/L	104			82	109	
	1,2-Dichloroethane	20	21.0	ug/L	105			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.7	ug/L	104			83	111	
	Dibromomethane	20	20.4	ug/L	102			82	110	
	Bromodichloromethane	20	21.7	ug/L	109			83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	21.9	ug/L	110			82	110	
	t-1,3-Dichloropropene	20	21.4	ug/L	107			79	110	
	cis-1,3-Dichloropropene	20	21.5	ug/L	108			82	110	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			83	112	
	1,3-Dichloropropane	20	21.9	ug/L	110			83	111	
	2-Chloroethyl vinyl ether	100	87.8	ug/L	88			75	124	
	2-Hexanone	100	120	ug/L	120		*	73	117	
	Dibromochloromethane	20	21.2	ug/L	106			82	110	
	1,2-Dibromoethane	20	20.6	ug/L	103			81	110	
	Tetrachloroethene	20	21.7	ug/L	109			67	123	
	Chlorobenzene	20	20.6	ug/L	103			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1180

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085529.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0128WBS01	1,1,1,2-Tetrachloroethane	20	21.1	ug/L	106			84	111	
	Hexachloroethane	20	19.5	ug/L	98			80	113	
	Ethyl Benzene	20	20.8	ug/L	104			83	109	
	m/p-Xylenes	40	43.1	ug/L	108			82	110	
	o-Xylene	20	20.9	ug/L	104			83	109	
	Styrene	20	21.3	ug/L	106			80	111	
	Bromoform	20	22.5	ug/L	113		*	79	109	
	Isopropylbenzene	20	20.9	ug/L	104			83	112	
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108			76	118	
	1,2,3-Trichloropropane	20	23.3	ug/L	117		*	75	112	
	Bromobenzene	20	21.3	ug/L	106			77	116	
	N-propylbenzene	20	21.5	ug/L	108			83	112	
	2-Chlorotoluene	20	21.1	ug/L	106			83	110	
	1,3,5-Trimethylbenzene	20	21.8	ug/L	109			85	112	
	4-Chlorotoluene	20	21.4	ug/L	107			82	110	
	tert-Butylbenzene	20	20.9	ug/L	104			83	112	
	1,2,4-Trimethylbenzene	20	22.1	ug/L	111			85	111	
	Sec-butylbenzene	20	21.7	ug/L	109			81	114	
	p-Isopropyltoluene	20	21.0	ug/L	105			78	116	
	1,3-Dichlorobenzene	20	20.8	ug/L	104			82	108	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			82	107	
	n-Butylbenzene	20	19.5	ug/L	98			75	115	
	1,2-Dichlorobenzene	20	20.4	ug/L	102			82	109	
	1,2-Dibromo-3-Chloropropane	20	23.5	ug/L	117		*	68	112	
	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			75	113	
	Hexachlorobutadiene	20	19.9	ug/L	100			81	121	
	Naphthalene	20	18.4	ug/L	92			78	119	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1180

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085530.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0128WBSD01	Dichlorodifluoromethane	20	17.8	ug/L	89	3		69	116	20
	Chloromethane	20	17.7	ug/L	89	3		65	116	20
	Vinyl chloride	20	17.8	ug/L	89	2		65	117	20
	Ethyl Acetate	20	21.3	ug/L	106	2		75	115	20
	Bromomethane	20	18.0	ug/L	90	9		58	125	20
	Chloroethane	20	19.6	ug/L	98	1		56	128	20
	Trichlorofluoromethane	20	19.5	ug/L	98	6		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102	1		80	112	20
	Tert butyl alcohol	100	120	ug/L	120	9		73	124	20
	1,1-Dichloroethene	20	19.5	ug/L	98	2		74	110	20
	Acrolein	100	89.1	ug/L	89	5		51	143	20
	Acrylonitrile	100	110	ug/L	110	0		73	113	20
	Acetone	100	110	ug/L	110	10		60	125	20
	Carbon disulfide	20	16.2	ug/L	81	1		64	112	20
	Methyl tert-butyl Ether	20	21.9	ug/L	110	6		78	114	20
	Methyl Acetate	20	23.5	ug/L	117	3		67	125	20
	Methylene Chloride	20	19.7	ug/L	99	0		72	114	20
	trans-1,2-Dichloroethene	20	18.9	ug/L	95	0		75	108	20
	Vinyl Acetate	100	110	ug/L	110	10		76	115	20
	1,1-Dichloroethane	20	20.4	ug/L	102	1		78	112	20
	Cyclohexane	20	17.6	ug/L	88	0		75	110	20
	2-Butanone	100	110	ug/L	110	0		65	122	20
	Carbon Tetrachloride	20	20.0	ug/L	100	3		77	113	20
	2,2-Dichloropropane	20	21.7	ug/L	109	2		75	116	20
	cis-1,2-Dichloroethene	20	20.2	ug/L	101	1		77	110	20
	Bromochloromethane	20	16.8	ug/L	84	4		70	124	20
	Chloroform	20	20.6	ug/L	103	0		79	113	20
	1,1,1-Trichloroethane	20	20.1	ug/L	101	1		80	108	20
	Methylcyclohexane	20	18.7	ug/L	94	1		72	115	20
	1,1-Dichloropropene	20	19.1	ug/L	96	3		79	110	20
	Benzene	20	20.2	ug/L	101	3		82	109	20
	1,2-Dichloroethane	20	21.5	ug/L	108	3		80	115	20
	Trichloroethene	20	19.4	ug/L	97	5		77	113	20
	1,2-Dichloropropane	20	20.7	ug/L	104	0		83	111	20
	Dibromomethane	20	21.0	ug/L	105	3		82	110	20
	Bromodichloromethane	20	21.7	ug/L	109	0		83	110	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	0	*	74	118	20
	Toluene	20	21.5	ug/L	108	2		82	110	20
	t-1,3-Dichloropropene	20	21.5	ug/L	108	1		79	110	20
	cis-1,3-Dichloropropene	20	21.8	ug/L	109	1		82	110	20
	1,1,2-Trichloroethane	20	21.5	ug/L	108	2		83	112	20
	1,3-Dichloropropane	20	21.9	ug/L	110	0		83	111	20
	2-Chloroethyl vinyl ether	100	98.6	ug/L	99	12		75	124	20
	2-Hexanone	100	120	ug/L	120	0	*	73	117	20
	Dibromochloromethane	20	21.9	ug/L	110	4		82	110	20
	1,2-Dibromoethane	20	21.2	ug/L	106	3		81	110	20
	Tetrachloroethene	20	21.0	ug/L	105	4		67	123	20
	Chlorobenzene	20	20.6	ug/L	103	0		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1180

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085530.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0128WBSD01	1,1,1,2-Tetrachloroethane	20	21.4	ug/L	107	1		84	111	20
	Hexachloroethane	20	20.1	ug/L	101	3		80	113	20
	Ethyl Benzene	20	20.6	ug/L	103	1		83	109	20
	m/p-Xylenes	40	43.4	ug/L	109	1		82	110	20
	o-Xylene	20	20.8	ug/L	104	0		83	109	20
	Styrene	20	21.3	ug/L	106	0		80	111	20
	Bromoform	20	22.5	ug/L	113	0	*	79	109	20
	Isopropylbenzene	20	21.2	ug/L	106	2		83	112	20
	1,1,2,2-Tetrachloroethane	20	21.8	ug/L	109	1		76	118	20
	1,2,3-Trichloropropane	20	23.6	ug/L	118	1	*	75	112	20
	Bromobenzene	20	21.0	ug/L	105	1		77	116	20
	N-propylbenzene	20	21.7	ug/L	109	1		83	112	20
	2-Chlorotoluene	20	21.7	ug/L	109	3		83	110	20
	1,3,5-Trimethylbenzene	20	21.8	ug/L	109	0		85	112	20
	4-Chlorotoluene	20	21.5	ug/L	108	1		82	110	20
	tert-Butylbenzene	20	21.1	ug/L	106	2		83	112	20
	1,2,4-Trimethylbenzene	20	22.2	ug/L	111	0		85	111	20
	Sec-butylbenzene	20	21.3	ug/L	106	3		81	114	20
	p-Isopropyltoluene	20	20.8	ug/L	104	1		78	116	20
	1,3-Dichlorobenzene	20	21.0	ug/L	105	1		82	108	20
	1,4-Dichlorobenzene	20	20.4	ug/L	102	3		82	107	20
	n-Butylbenzene	20	20.3	ug/L	102	4		75	115	20
	1,2-Dichlorobenzene	20	20.4	ug/L	102	0		82	109	20
	1,2-Dibromo-3-Chloropropane	20	21.6	ug/L	108	8		68	112	20
	1,2,4-Trichlorobenzene	20	19.6	ug/L	98	3		75	113	20
	Hexachlorobutadiene	20	19.6	ug/L	98	2		81	121	20
	Naphthalene	20	19.3	ug/L	97	5		78	119	20
	1,2,3-Trichlorobenzene	20	20.4	ug/L	102	7		76	114	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1180

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044714.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0127WBS01	Dichlorodifluoromethane	20	17.1	ug/L	86			69	116	
	Chloromethane	20	19.0	ug/L	95			65	116	
	Vinyl chloride	20	17.3	ug/L	86			65	117	
	Ethyl Acetate	20	18.1	ug/L	91			75	115	
	Bromomethane	20	18.9	ug/L	95			58	125	
	Chloroethane	20	38.1	ug/L	191		*	56	128	
	Trichlorofluoromethane	20	16.7	ug/L	84			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			80	112	
	Tert butyl alcohol	100	79.4	ug/L	79			73	124	
	1,1-Dichloroethene	20	18.6	ug/L	93			74	110	
	Acrolein	100	69.5	ug/L	70			51	143	
	Acrylonitrile	100	90.5	ug/L	91			73	113	
	Acetone	100	80.8	ug/L	81			60	125	
	Carbon disulfide	20	18.4	ug/L	92			64	112	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			78	114	
	Methyl Acetate	20	18.1	ug/L	91			67	125	
	Methylene Chloride	20	17.5	ug/L	88			72	114	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			75	108	
	Vinyl Acetate	100	90.5	ug/L	91			76	115	
	1,1-Dichloroethane	20	18.0	ug/L	90			78	112	
	Cyclohexane	20	20.0	ug/L	100			75	110	
	2-Butanone	100	90.1	ug/L	90			65	122	
	Carbon Tetrachloride	20	16.7	ug/L	84			77	113	
	2,2-Dichloropropane	20	15.8	ug/L	79			75	116	
	cis-1,2-Dichloroethene	20	17.4	ug/L	87			77	110	
	Bromochloromethane	20	18.6	ug/L	93			70	124	
	Chloroform	20	17.3	ug/L	86			79	113	
	1,1,1-Trichloroethane	20	16.1	ug/L	81			80	108	
	Methylcyclohexane	20	18.3	ug/L	92			72	115	
	1,1-Dichloropropene	20	17.5	ug/L	88			79	110	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	16.3	ug/L	81			80	115	
	Trichloroethene	20	17.5	ug/L	88			77	113	
	1,2-Dichloropropane	20	18.6	ug/L	93			83	111	
	Dibromomethane	20	17.3	ug/L	86			82	110	
	Bromodichloromethane	20	17.0	ug/L	85			83	110	
	4-Methyl-2-Pentanone	100	95.9	ug/L	96			74	118	
	Toluene	20	18.3	ug/L	92			82	110	
	t-1,3-Dichloropropene	20	17.2	ug/L	86			79	110	
	cis-1,3-Dichloropropene	20	17.5	ug/L	88			82	110	
	1,1,2-Trichloroethane	20	18.3	ug/L	92			83	112	
	1,3-Dichloropropane	20	18.2	ug/L	91			83	111	
	2-Chloroethyl vinyl ether	100	77.7	ug/L	78			75	124	
	2-Hexanone	100	95.6	ug/L	96			73	117	
	Dibromochloromethane	20	17.2	ug/L	86			82	110	
	1,2-Dibromoethane	20	17.5	ug/L	88			81	110	
	Tetrachloroethene	20	18.7	ug/L	94			67	123	
	Chlorobenzene	20	18.6	ug/L	93			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1180

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VX044714.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0127WBS01	1,1,1,2-Tetrachloroethane	20	17.3	ug/L	86			84	111	
	Hexachloroethane	20	16.8	ug/L	84			80	113	
	Ethyl Benzene	20	18.6	ug/L	93			83	109	
	m/p-Xylenes	40	38.0	ug/L	95			82	110	
	o-Xylene	20	18.6	ug/L	93			83	109	
	Styrene	20	19.2	ug/L	96			80	111	
	Bromoform	20	17.7	ug/L	89			79	109	
	Isopropylbenzene	20	17.8	ug/L	89			83	112	
	1,1,2,2-Tetrachloroethane	20	18.0	ug/L	90			76	118	
	1,2,3-Trichloropropane	20	17.1	ug/L	86			75	112	
	Bromobenzene	20	17.6	ug/L	88			77	116	
	N-propylbenzene	20	18.3	ug/L	92			83	112	
	2-Chlorotoluene	20	17.8	ug/L	89			83	110	
	1,3,5-Trimethylbenzene	20	18.0	ug/L	90			85	112	
	4-Chlorotoluene	20	18.2	ug/L	91			82	110	
	tert-Butylbenzene	20	17.7	ug/L	89			83	112	
	1,2,4-Trimethylbenzene	20	17.9	ug/L	90			85	111	
	Sec-butylbenzene	20	18.5	ug/L	93			81	114	
	p-Isopropyltoluene	20	18.1	ug/L	91			78	116	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			82	108	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			82	107	
	n-Butylbenzene	20	18.5	ug/L	93			75	115	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			82	109	
	1,2-Dibromo-3-Chloropropane	20	14.5	ug/L	73			68	112	
	1,2,4-Trichlorobenzene	20	17.6	ug/L	88			75	113	
	Hexachlorobutadiene	20	17.2	ug/L	86			81	121	
	Naphthalene	20	17.8	ug/L	89			78	119	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			76	114	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0128WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VN085528.D Lab Sample ID: VN0128WBL01

Date Analyzed: 01/28/2025 Time Analyzed: 10:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0128WBS01	VN0128WBS01	VN085529.D	01/28/2025
VN0128WBSD01	VN0128WBSD01	VN085530.D	01/28/2025
Storage-Blank-SAMPLE-MANAGEMENT	Q1180-04	VN085532.D	01/28/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0127WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VX044713.D Lab Sample ID: VX0127WBL01

Date Analyzed: 01/27/2025 Time Analyzed: 11:01

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
VX0127WBS01	VX0127WBS01	VX044714.D	01/27/2025
Storage-Blank-SOIL-REF-6	Q1180-01	VX044730.D	01/27/2025
Storage-Blank-WATER-REF-5	Q1180-02	VX044731.D	01/27/2025
Storage-Blank-WATER-REF-4	Q1180-03	VX044732.D	01/27/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VN085437.D BFB Injection Date: 01/14/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	74.1 (97.4) 1
177	5.0 - 9.0% of mass 176	4.9 (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
VSTDICC100	VSTDICC100	VN085438.D	01/14/2025	14:56
VSTDICCC050	VSTDICCC050	VN085439.D	01/14/2025	15:19
VSTDICC020	VSTDICC020	VN085440.D	01/14/2025	15:43
VSTDICC010	VSTDICC010	VN085441.D	01/14/2025	16:07
VSTDICC005	VSTDICC005	VN085442.D	01/14/2025	16:31
VSTDICC001	VSTDICC001	VN085443.D	01/14/2025	17:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VN085525.D BFB Injection Date: 01/28/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:17

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.5 (7.2) 1
176	95.0 - 101.0% of mass 174	73.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085526.D	01/28/2025	09:53
VN0128WBL01	VN0128WBL01	VN085528.D	01/28/2025	10:51
VN0128WBS01	VN0128WBS01	VN085529.D	01/28/2025	11:15
VN0128WBSD01	VN0128WBSD01	VN085530.D	01/28/2025	11:48
Storage-Blank-SAMPLE-MANAGEMENT	Q1180-04	VN085532.D	01/28/2025	12:36

Raw Data: **VX044647.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VX044647.D BFB Injection Date: 01/15/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:30

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	64.4 (96) 1
177	5.0 - 9.0% of mass 176	4.3 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044648.D	01/15/2025	10:31
VSTDICC005	VSTDICC005	VX044649.D	01/15/2025	11:17
VSTDICC020	VSTDICC020	VX044650.D	01/15/2025	11:40
VSTDICCC050	VSTDICCC050	VX044651.D	01/15/2025	12:02
VSTDICC100	VSTDICC100	VX044652.D	01/15/2025	13:14
VSTDICC150	VSTDICC150	VX044653.D	01/15/2025	13:37

Raw Data: **VX044710.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VX044710.D BFB Injection Date: 01/27/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:47

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.7) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	4.9 (7.4) 1
176	95.0 - 101.0% of mass 174	63 (96.3) 1
177	5.0 - 9.0% of mass 176	4.5 (7.1) 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	VX044711.D	01/27/2025	10:08
VX0127WBL01	VX0127WBL01	VX044713.D	01/27/2025	11:01
VX0127WBS01	VX0127WBS01	VX044714.D	01/27/2025	11:24
Storage-Blank-SOIL-REF-6	Q1180-01	VX044730.D	01/27/2025	17:37
Storage-Blank-WATER-REF-5	Q1180-02	VX044731.D	01/27/2025	18:00
Storage-Blank-WATER-REF-4	Q1180-03	VX044732.D	01/27/2025	18:23

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VN085526.D Date Analyzed: 01/28/2025

Instrument ID: MSVOA_N Time Analyzed: 09:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	203638	8.22	333806	9.09	302551	11.87
UPPER LIMIT	407276	8.718	667612	9.594	605102	12.365
LOWER LIMIT	101819	7.718	166903	8.594	151276	11.365
EPA SAMPLE NO.						
Storage-Blank-SAMPLE-MANAGEMEN	180283	8.22	325340	9.10	283619	11.87
VN0128WBL01	183717	8.22	332601	9.10	291066	11.87
VN0128WBS01	185562	8.22	307569	9.10	271043	11.87
VN0128WBSD01	182154	8.22	309854	9.10	273221	11.87

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.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VN085526.D Date Analyzed: 01/28/2025

Instrument ID: MSVOA_N Time Analyzed: 09:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	155713	13.788				
UPPER LIMIT	311426	14.288				
LOWER LIMIT	77856.5	13.288				
EPA SAMPLE NO.						
Storage-Blank-SAMPLE-MANAGEME	106780	13.79				
VN0128WBL01	116250	13.79				
VN0128WBS01	126721	13.79				
VN0128WBSD01	127977	13.79				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VX044711.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_X Time Analyzed: 10:08

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	172369	5.54	318376	6.75	277935	10.05
UPPER LIMIT	344738	6.037	636752	7.251	555870	10.549
LOWER LIMIT	86184.5	5.037	159188	6.251	138968	9.549
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	138479	5.54	282083	6.76	247741	10.05
Storage-Blank-WATER-REF-5	138064	5.54	281466	6.76	252440	10.05
Storage-Blank-WATER-REF-4	139447	5.54	282344	6.76	252421	10.05
VX0127WBL01	158308	5.54	315173	6.76	280517	10.05
VX0127WBS01	194501	5.54	349402	6.76	294902	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG NO.: Q1180

Lab File ID: VX044711.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_X Time Analyzed: 10:08

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

	IS4 AREA #	RT #				
12 HOUR STD	123095	12.018				
UPPER LIMIT	246190	12.518				
LOWER LIMIT	61547.5	11.518				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	101611	12.02				
Storage-Blank-WATER-REF-5	106684	12.02				
Storage-Blank-WATER-REF-4	105754	12.02				
VX0127WBL01	124517	12.02				
VX0127WBS01	132232	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1180
Lab Sample ID:	Q1180-01	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
VX044730.D	1		01/27/25 17:37	VX012725

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	UQ	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VX044730.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1180
Lab Sample ID:	Q1180-01	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
VX044730.D	1		01/27/25 17:37	VX012725

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: **VX044730.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1180
Lab Sample ID:	Q1180-01	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
VX044730.D	1		01/27/25 17:37	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	55.2		86 - 113	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	5.544			
540-36-3	1,4-Difluorobenzene	282000	6.757			
3114-55-4	Chlorobenzene-d5	248000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.018			

Raw Data: **VX044730.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	Q1180
Lab Sample ID:	Q1180-01	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
VX044730.D	1		01/27/25 17:37	VX012725

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: **VX044730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044730.D
Acq On : 27 Jan 2025 17:37
Operator : JC/MD
Sample : Q1180-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jan 28 04:16:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	138479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	282083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	247741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	101611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	103881	49.698	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.400%			
35) Dibromofluoromethane	5.379	113	91265	50.928	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.647	98	344907	55.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.400%			
62) 4-Bromofluorobenzene	11.079	95	119113	51.136	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.280%			
Target Compounds						Qvalue

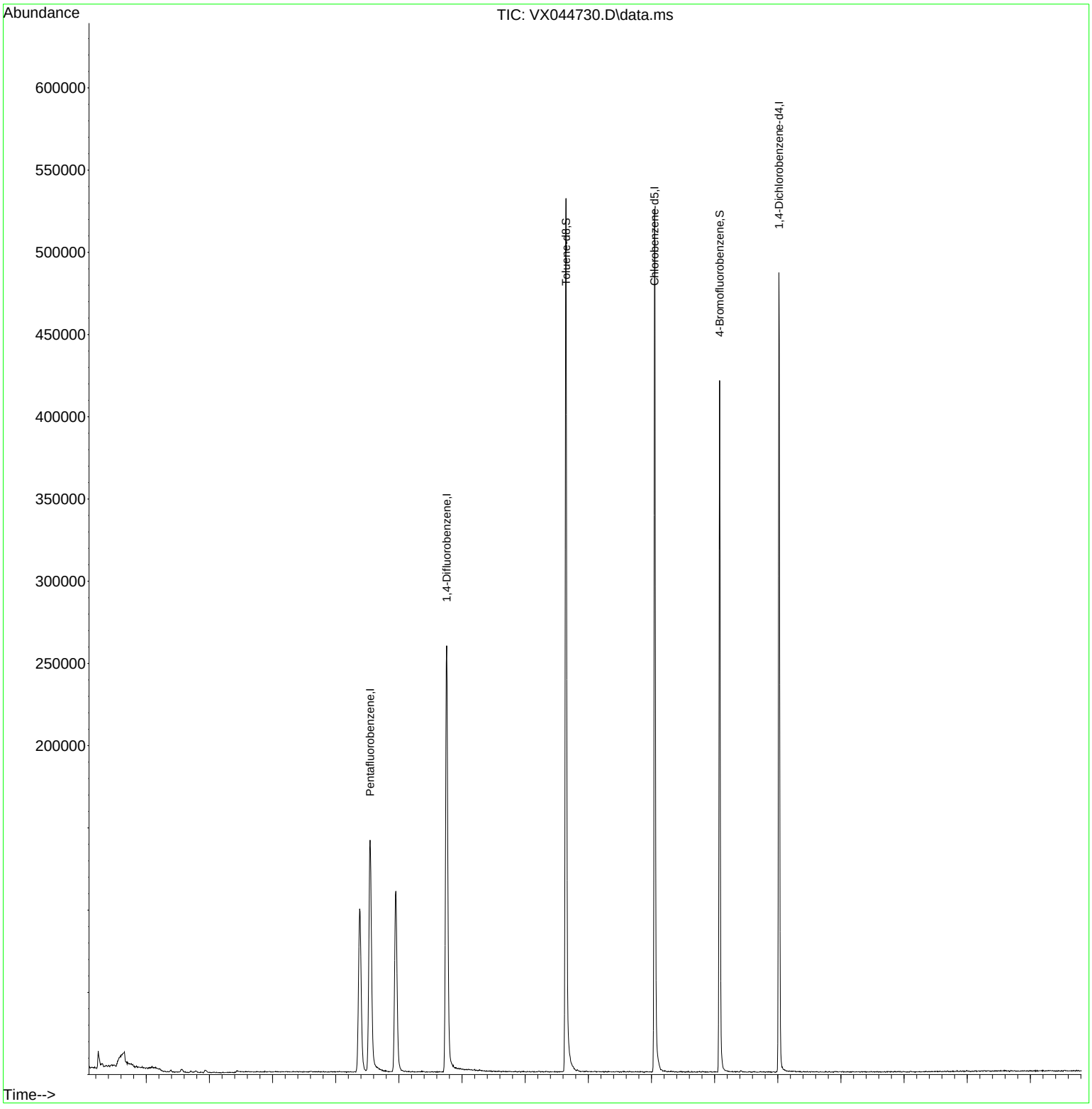
(#) = qualifier out of range (m) = manual integration (+) = signals summed

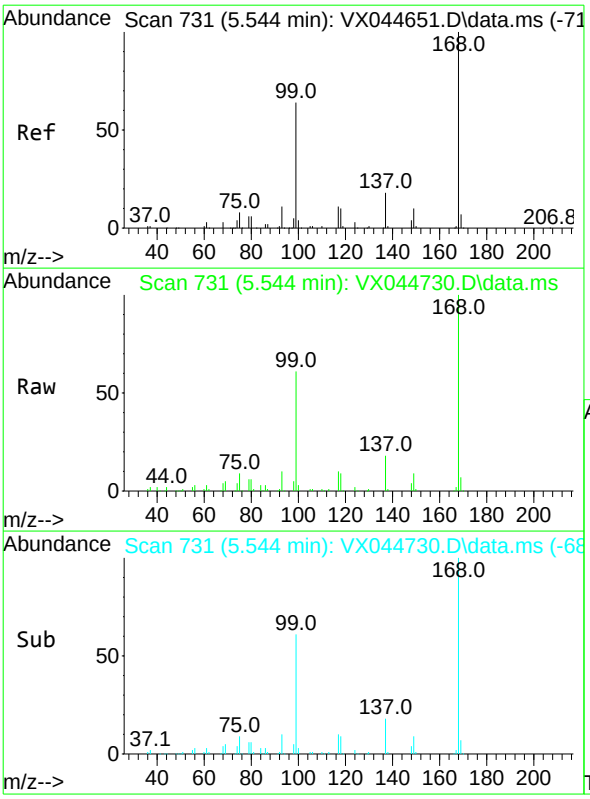
Sample Results: **VX044730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044730.D
Acq On : 27 Jan 2025 17:37
Operator : JC/MD
Sample : Q1180-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Jan 28 04:16:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



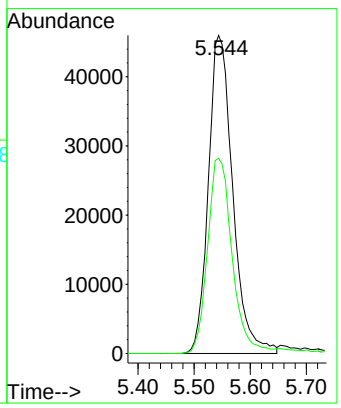


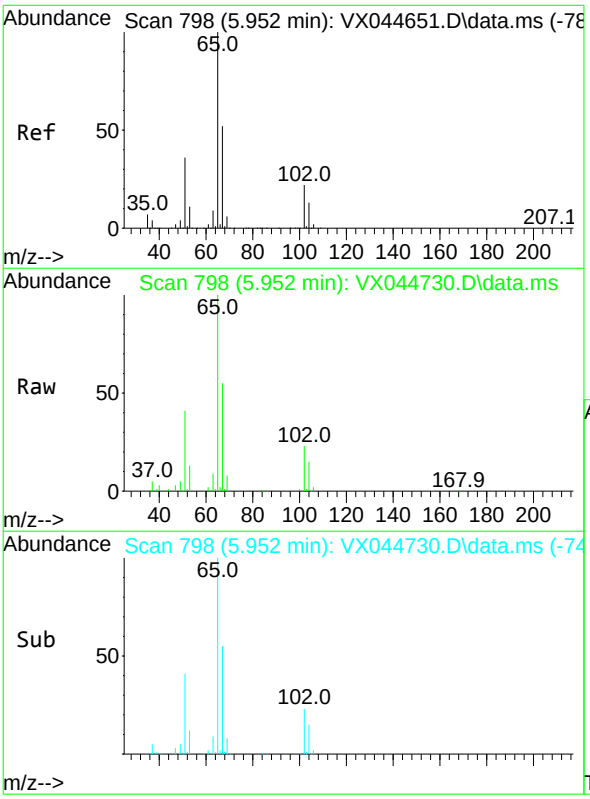
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

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

Tgt Ion:168 Resp: 138479

Ion	Ratio	Lower	Upper
168	100		
99	61.4	51.1	76.7

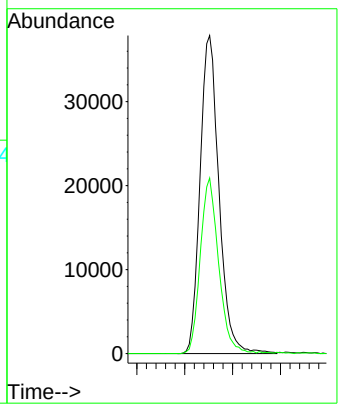


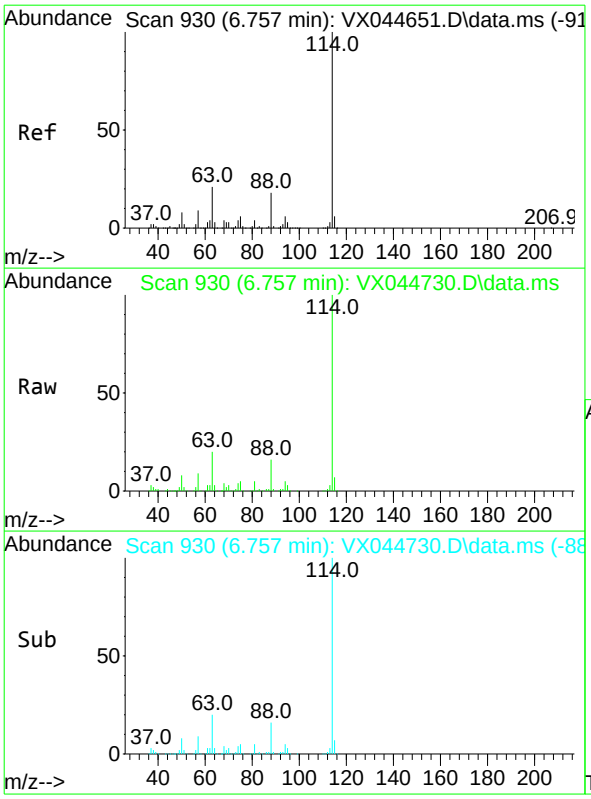


#33
1,2-Dichloroethane-d4
Concen: 49.698 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

Tgt Ion: 65 Resp: 103881

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	103.4



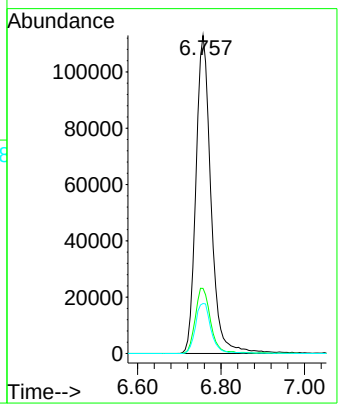


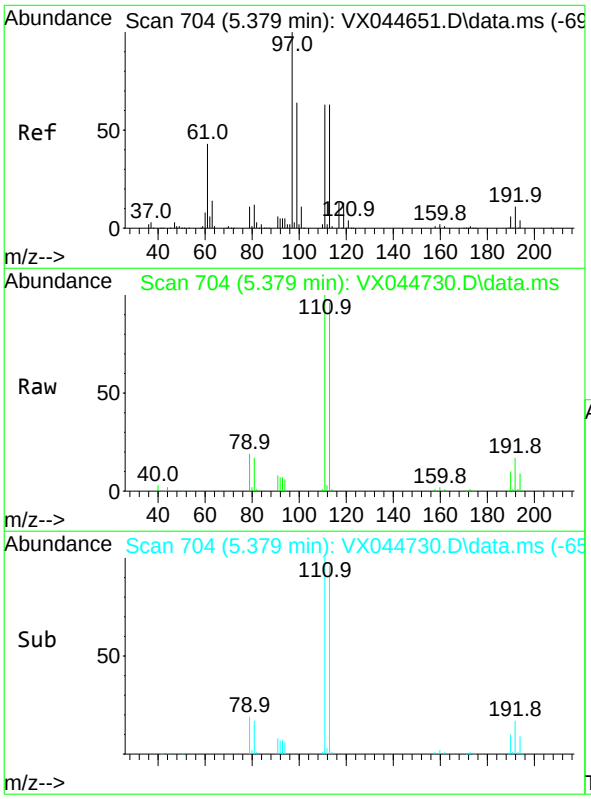
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

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

Tgt Ion:114 Resp: 282083

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.0
88	15.7	0.0	35.4

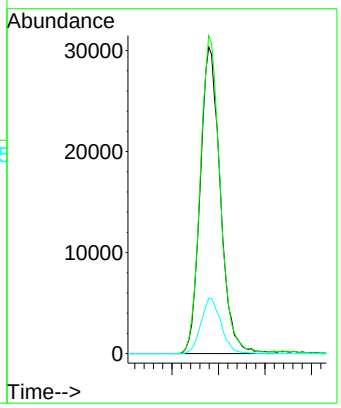


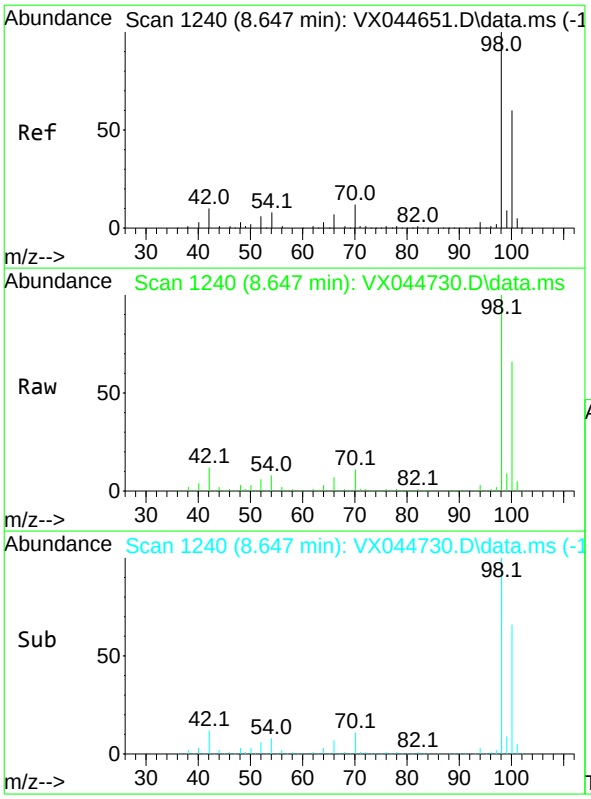


#35
Dibromofluoromethane
Concen: 50.928 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

Tgt Ion:113 Resp: 91265

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.6	122.4
192	18.0	14.4	21.6



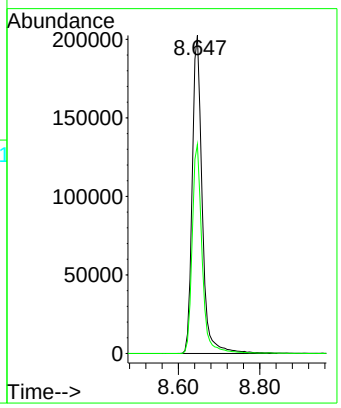


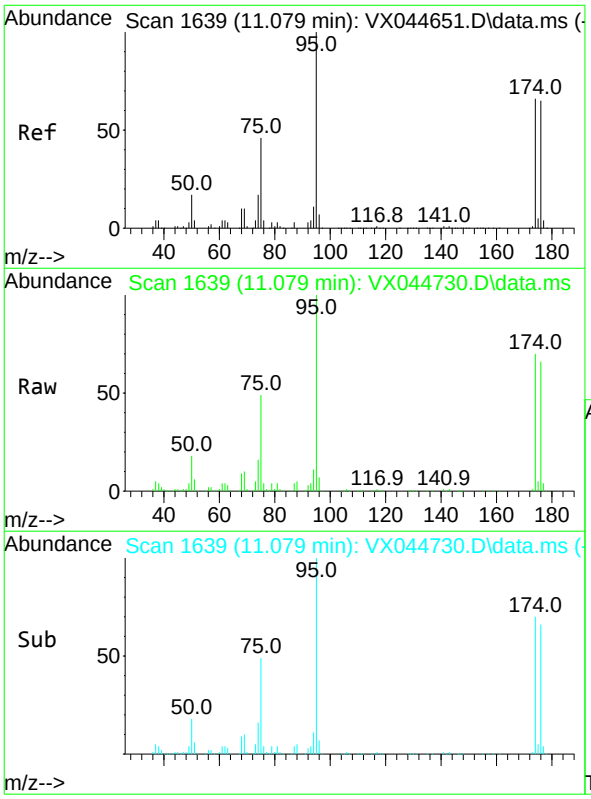
#50
Toluene-d8
Concen: 55.199 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

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

Tgt Ion: 98 Resp: 344907

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.2	79.8

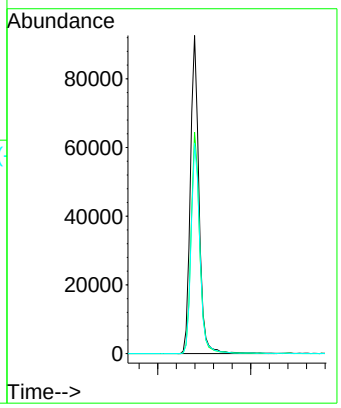


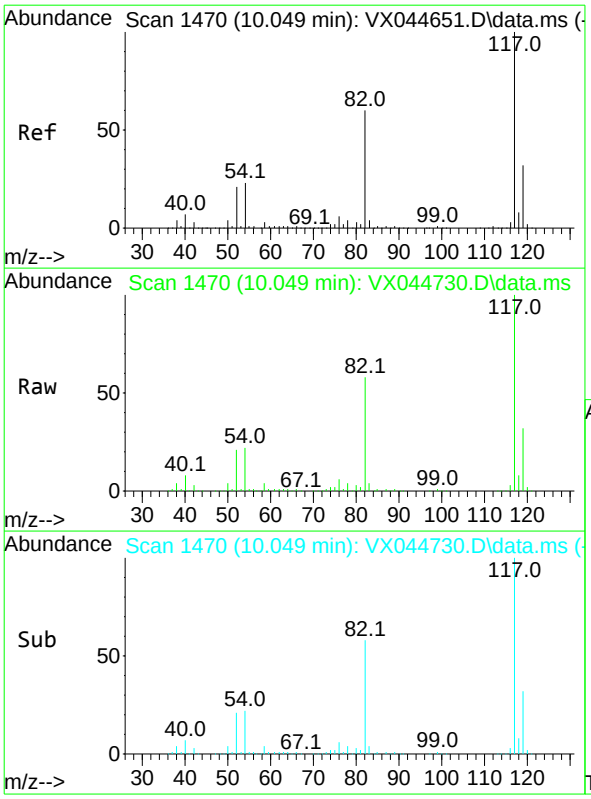


#62
4-Bromofluorobenzene
Concen: 51.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

Tgt Ion: 95 Resp: 119113

Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	133.0
176	67.4	0.0	129.4



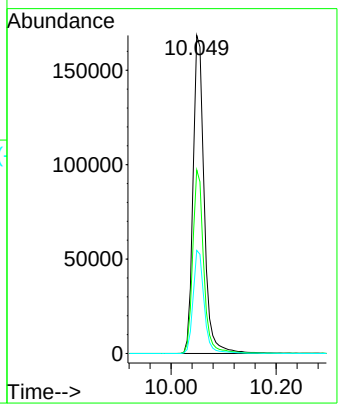


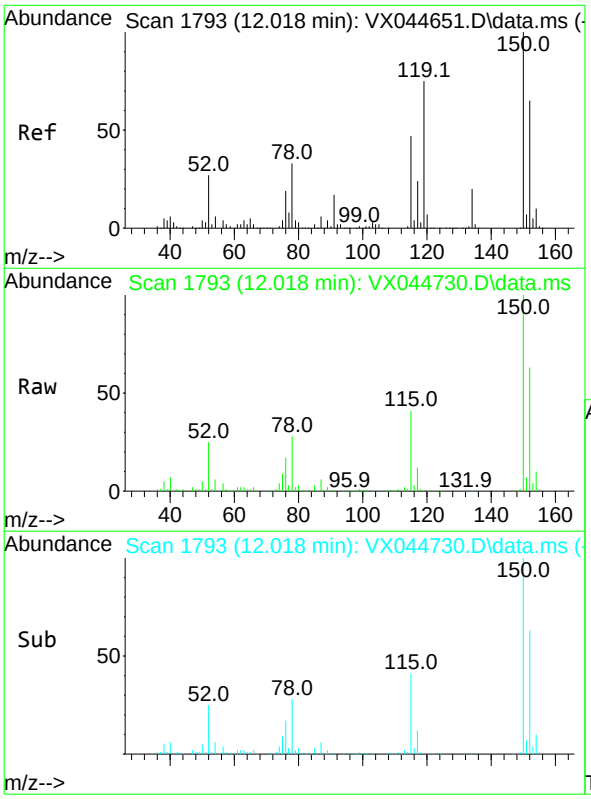
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

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

Tgt Ion:117 Resp: 247741

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.6	71.4
119	32.4	25.4	38.2

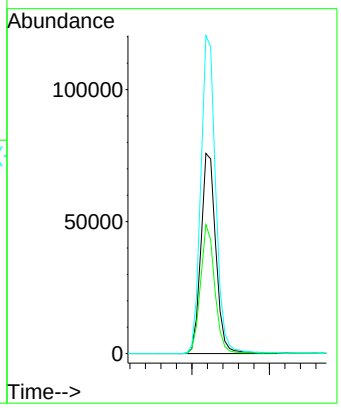




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044730.D
Acq: 27 Jan 2025 17:37

Tgt Ion:152 Resp: 101611

Ion	Ratio	Lower	Upper
152	100		
115	61.5	43.8	131.4
150	159.1	0.0	347.8



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1180
Lab Sample ID:	Q1180-02	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
VX044731.D	1		01/27/25 18:00	VX012725

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	UQ	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VX044731.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1180
Lab Sample ID:	Q1180-02	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
VX044731.D	1		01/27/25 18:00	VX012725

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: **VX044731.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1180
Lab Sample ID:	Q1180-02	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
VX044731.D	1		01/27/25 18:00	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	55.2		86 - 113	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	5.544			
540-36-3	1,4-Difluorobenzene	281000	6.757			
3114-55-4	Chlorobenzene-d5	252000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	107000	12.018			

Raw Data: **VX044731.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	Q1180
Lab Sample ID:	Q1180-02	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
VX044731.D	1		01/27/25 18:00	VX012725

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\VX012725\
Data File : VX044731.D
Acq On : 27 Jan 2025 18:00
Operator : JC/MD
Sample : Q1180-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jan 28 04:16:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

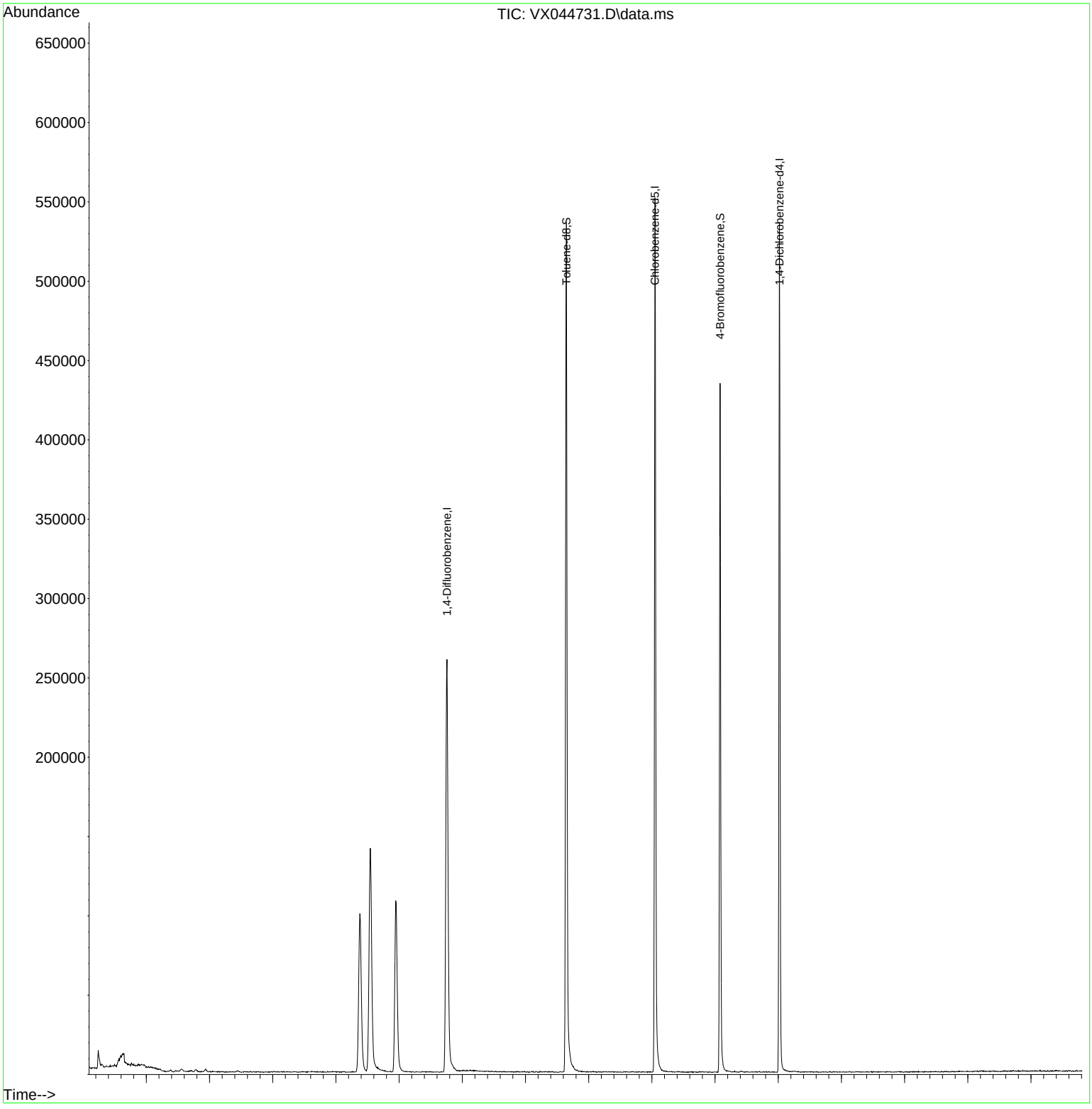
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	138064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	281466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	252440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	102440	49.156	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.320%			
35) Dibromofluoromethane	5.379	113	90352	50.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.060%			
50) Toluene-d8	8.647	98	344222	55.210	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.420%			
62) 4-Bromofluorobenzene	11.079	95	123053	52.943	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.880%			
Target Compounds						Qvalue

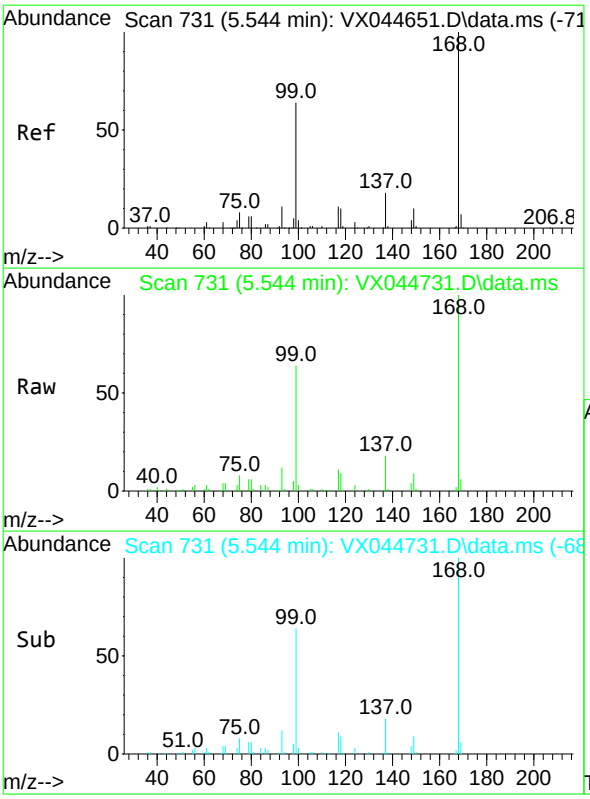
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044731.D
Acq On : 27 Jan 2025 18:00
Operator : JC/MD
Sample : Q1180-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jan 28 04:16:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



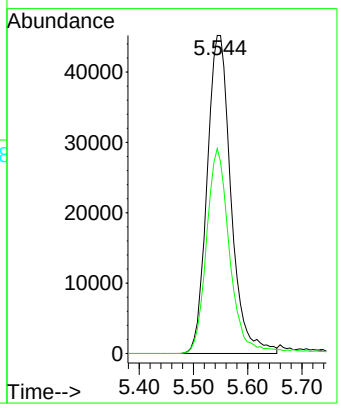


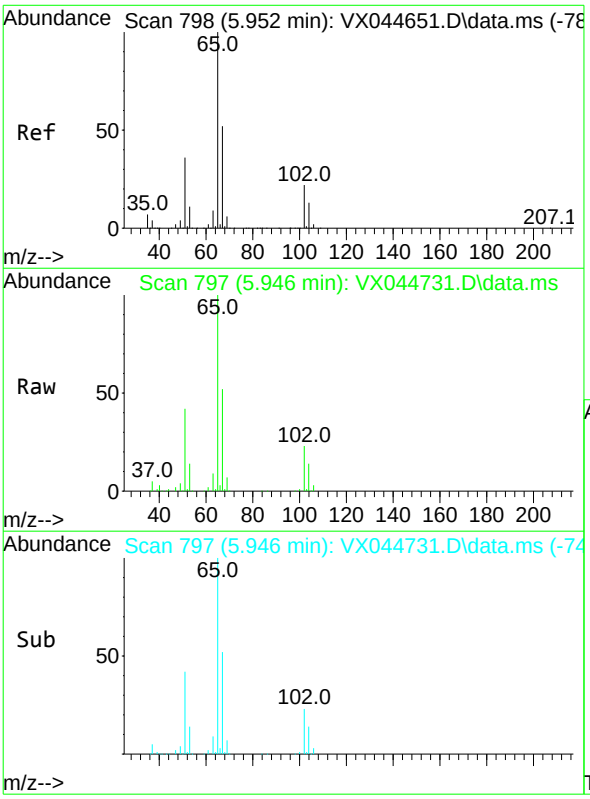
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

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

Tgt Ion:168 Resp: 138064

Ion	Ratio	Lower	Upper
168	100		
99	64.4	51.1	76.7

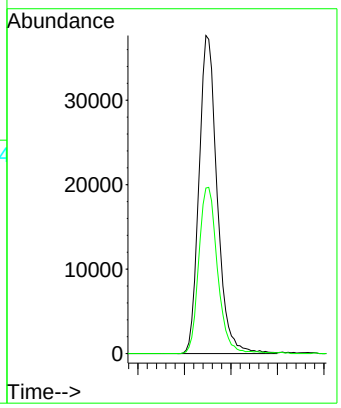


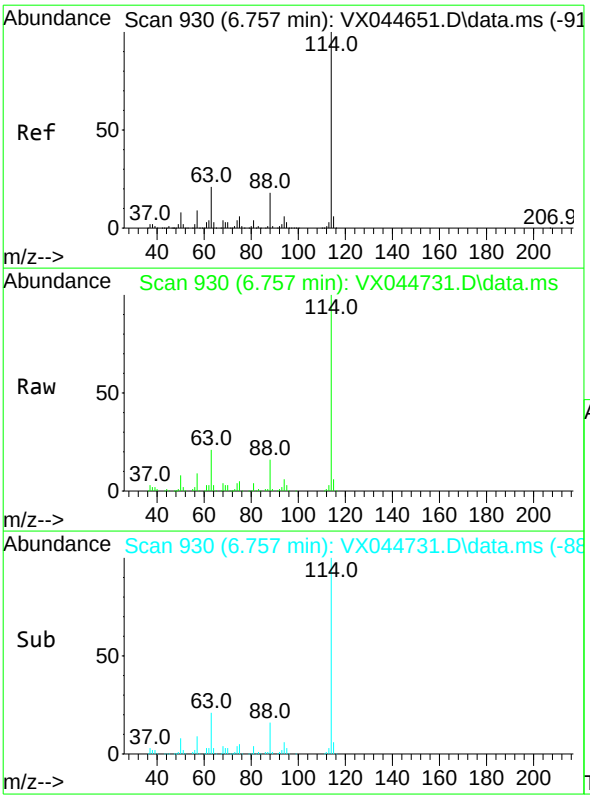


#33
1,2-Dichloroethane-d4
Concen: 49.156 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

Tgt Ion: 65 Resp: 102440

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	103.4



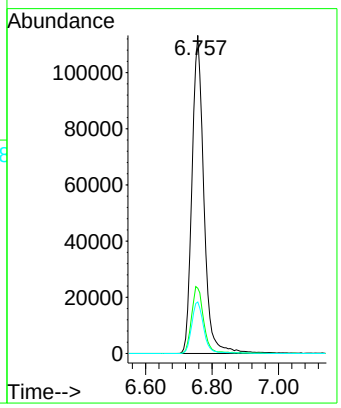


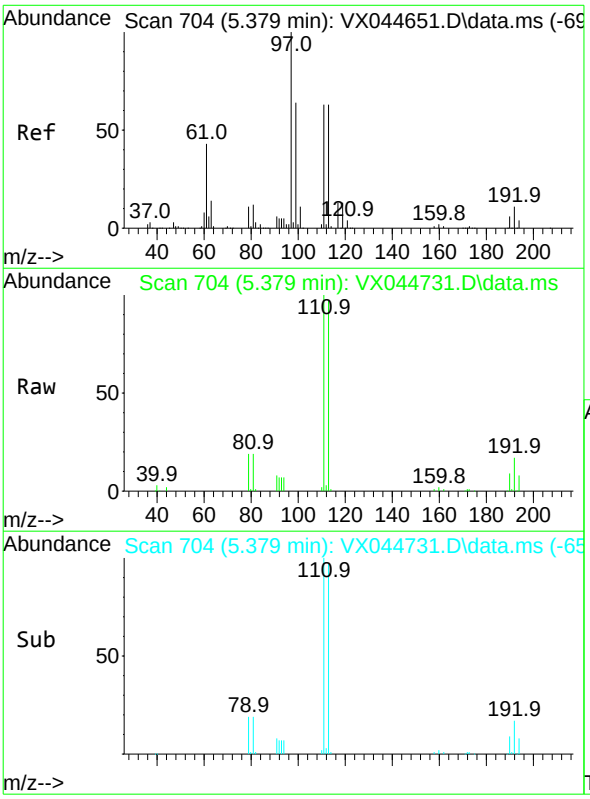
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

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

Tgt Ion:114 Resp: 281466

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.0
88	16.2	0.0	35.4

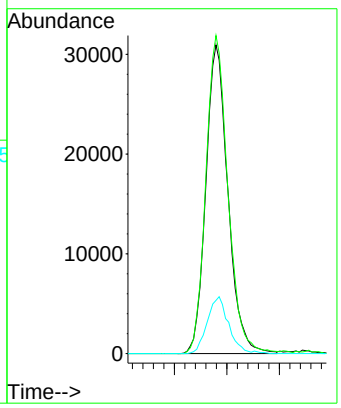


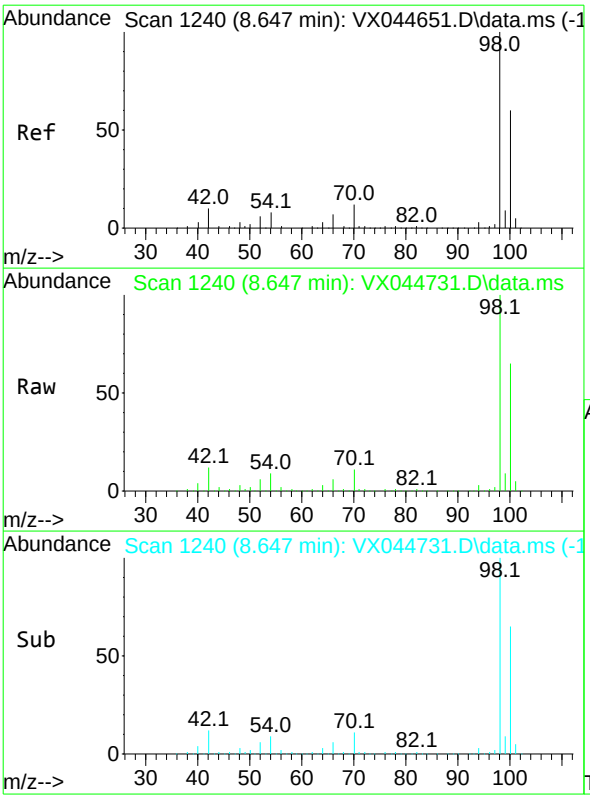


#35
Dibromofluoromethane
Concen: 50.529 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

Tgt Ion:113 Resp: 90352

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	17.7	14.4	21.6



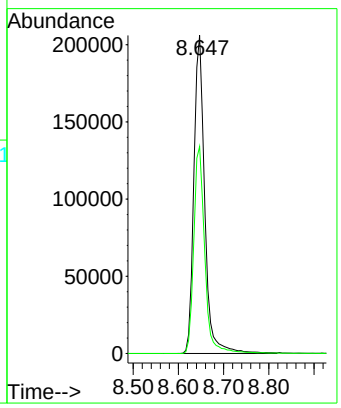


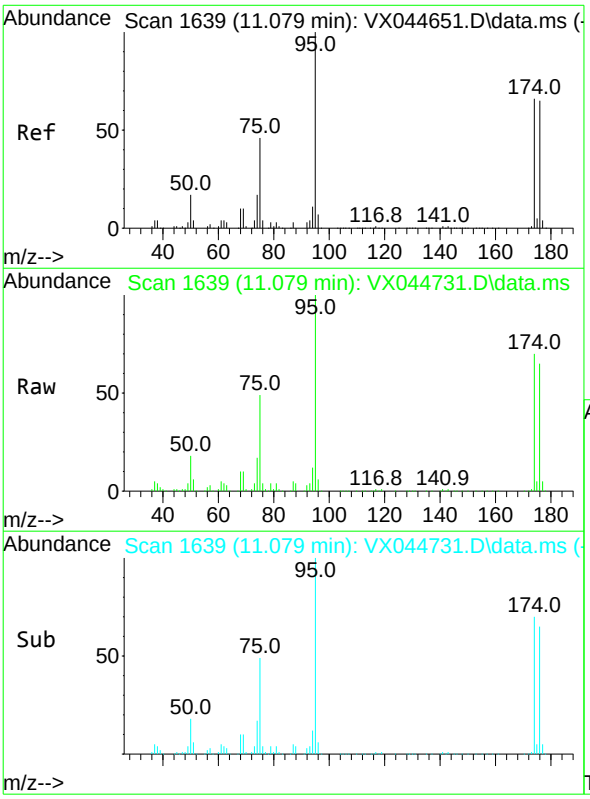
#50
Toluene-d8
Concen: 55.210 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

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

Tgt Ion: 98 Resp: 344222

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.2	79.8

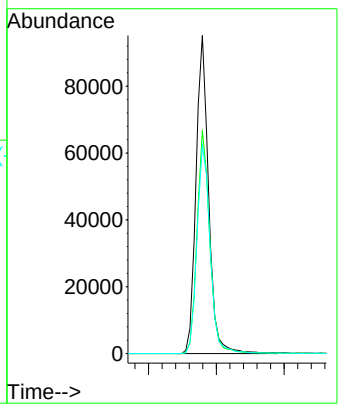


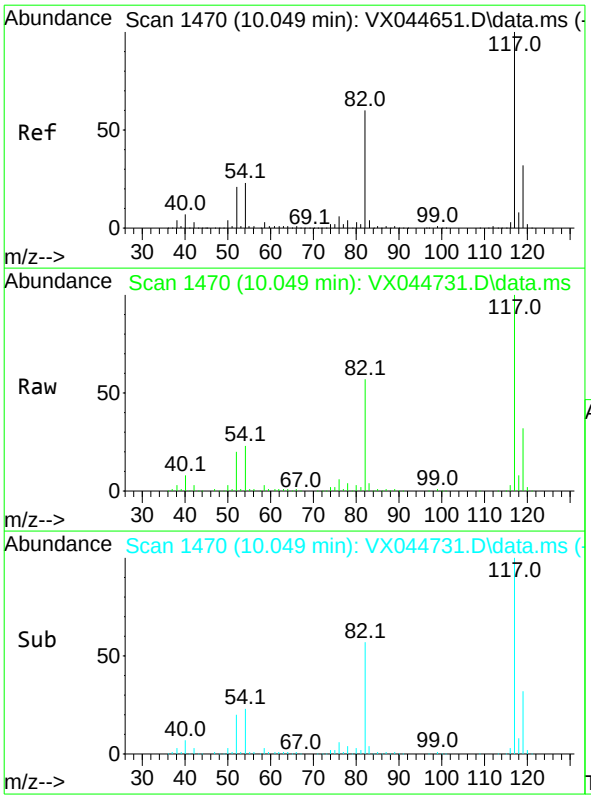


#62
4-Bromofluorobenzene
Concen: 52.943 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

Tgt Ion: 95 Resp: 123053

Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	133.0
176	68.3	0.0	129.4



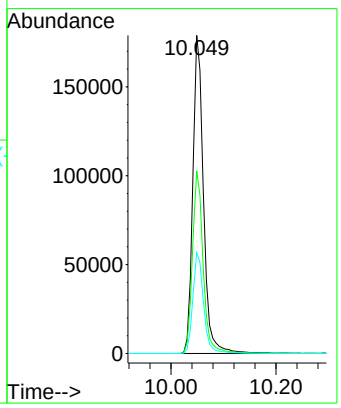


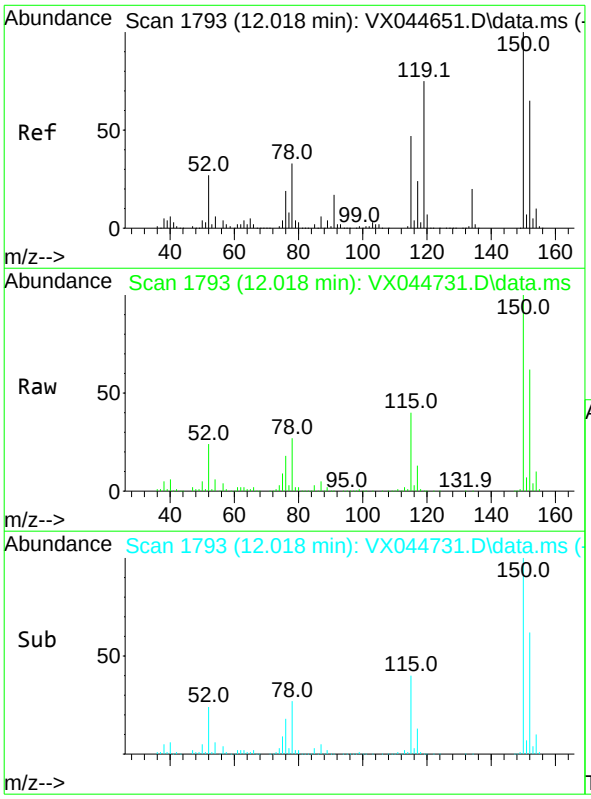
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

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

Tgt Ion:117 Resp: 252440

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.6	71.4
119	31.7	25.4	38.2

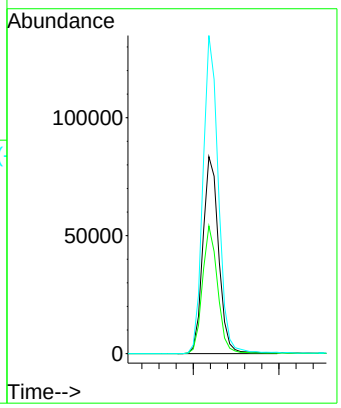




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044731.D
Acq: 27 Jan 2025 18:00

Tgt Ion:152 Resp: 106684

Ion	Ratio	Lower	Upper
152	100		
115	62.7	43.8	131.4
150	158.3	0.0	347.8



Raw Data: **VX044732.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1180
Lab Sample ID:	Q1180-03	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
VX044732.D	1		01/27/25 18:23	VX012725

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	UQ	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VX044732.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1180
Lab Sample ID:	Q1180-03	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
VX044732.D	1		01/27/25 18:23	VX012725

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: **VX044732.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1180
Lab Sample ID:	Q1180-03	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
VX044732.D	1		01/27/25 18:23	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	55.0		86 - 113	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	139000	5.544			
540-36-3	1,4-Difluorobenzene	282000	6.757			
3114-55-4	Chlorobenzene-d5	252000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.018			

Raw Data: **VX044732.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	Q1180
Lab Sample ID:	Q1180-03	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
VX044732.D	1		01/27/25 18:23	VX012725

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: **VX044732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044732.D
Acq On : 27 Jan 2025 18:23
Operator : JC/MD
Sample : Q1180-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jan 28 04:17:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	139447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	282344	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	252421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103047	48.957	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.920%			
35) Dibromofluoromethane	5.379	113	89910	50.126	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.260%			
50) Toluene-d8	8.647	98	344260	55.044	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.080%			
62) 4-Bromofluorobenzene	11.079	95	121898	52.283	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.560%			
Target Compounds						Qvalue

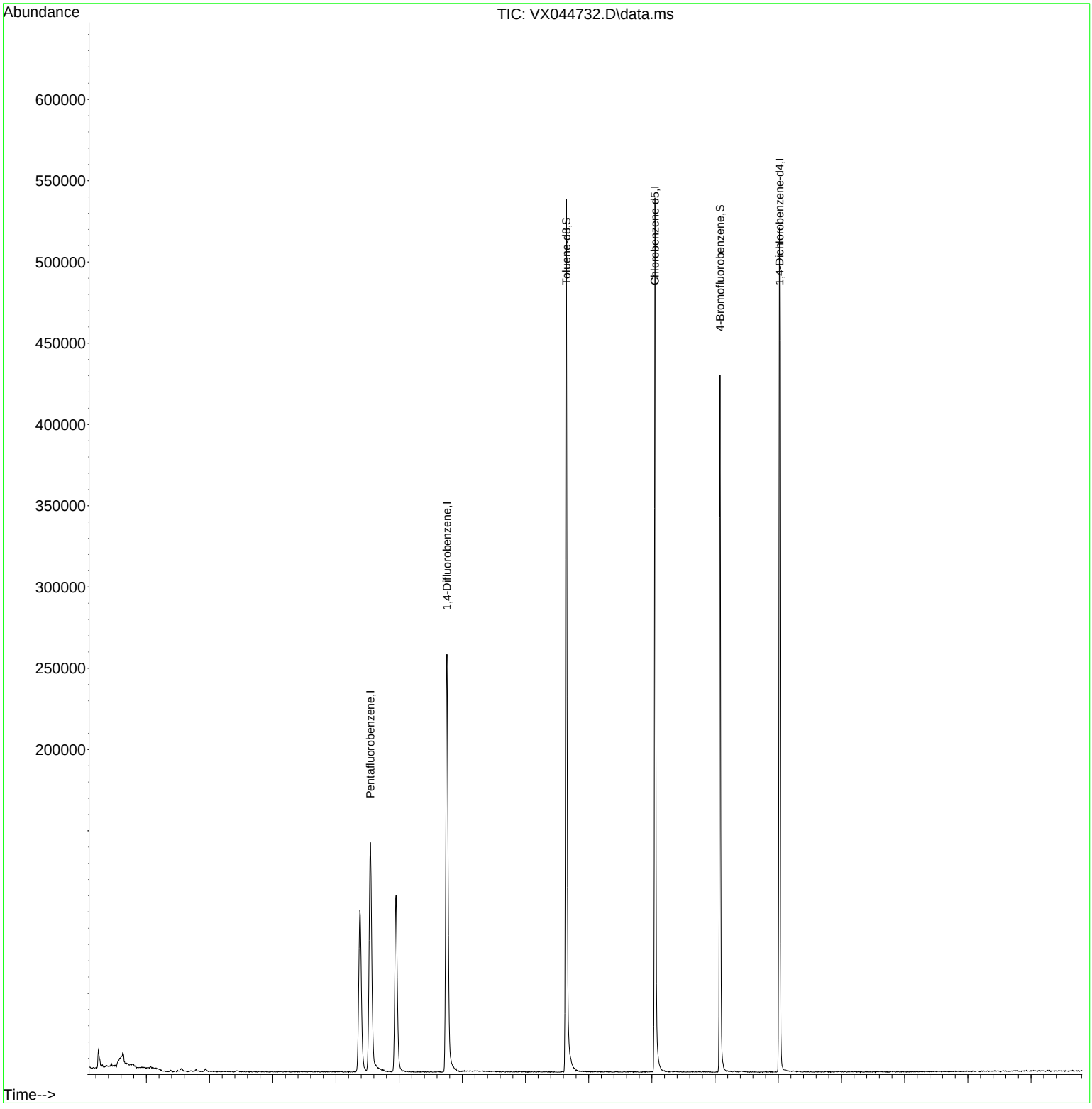
(#) = qualifier out of range (m) = manual integration (+) = signals summed

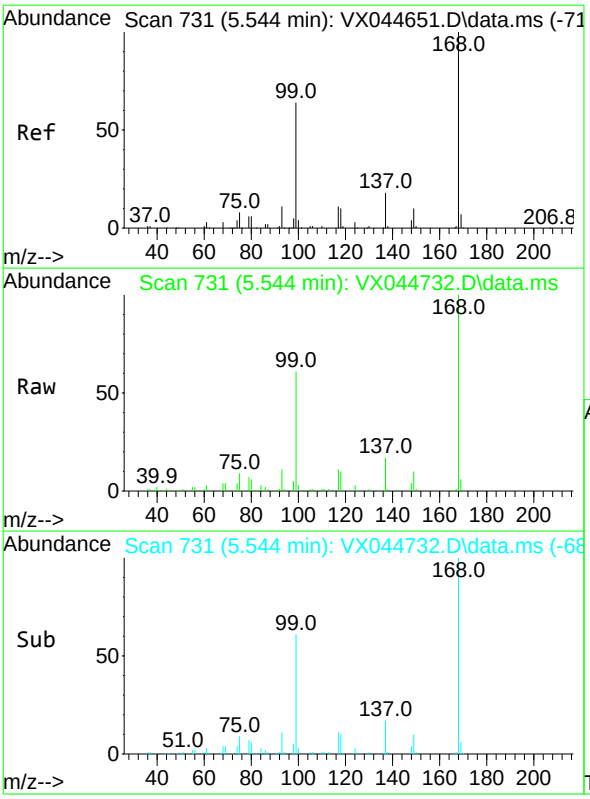
Sample Results: **VX044732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044732.D
Acq On : 27 Jan 2025 18:23
Operator : JC/MD
Sample : Q1180-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jan 28 04:17:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



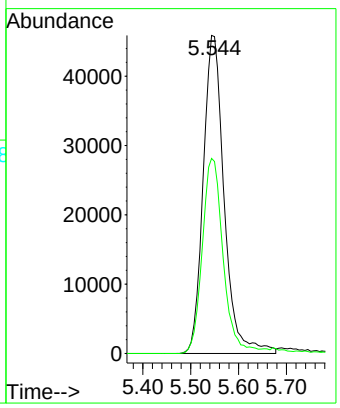


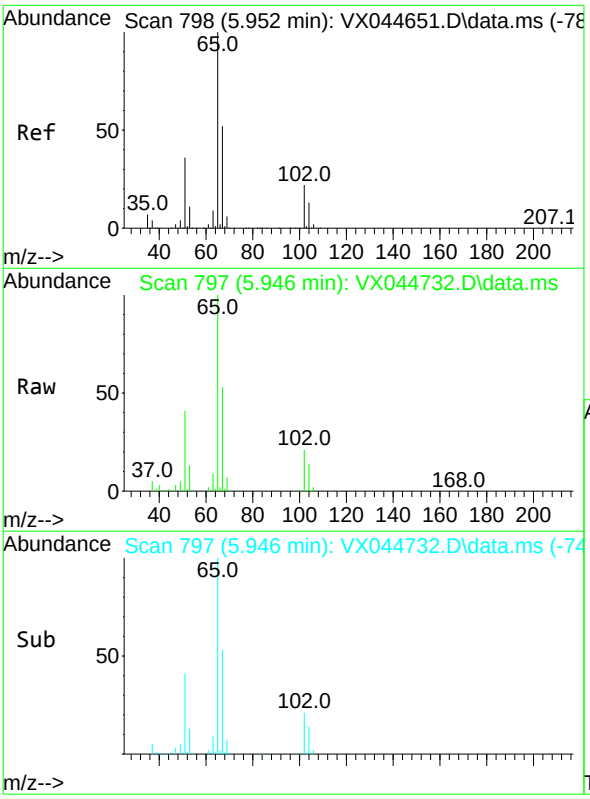
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

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

Tgt Ion:168 Resp: 139447

Ion	Ratio	Lower	Upper
168	100		
99	61.3	51.1	76.7

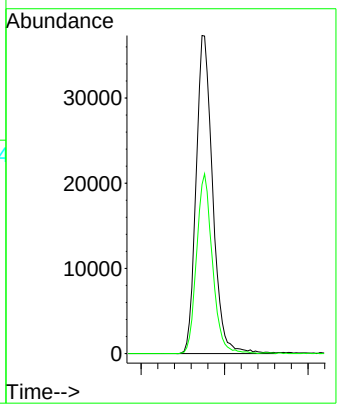


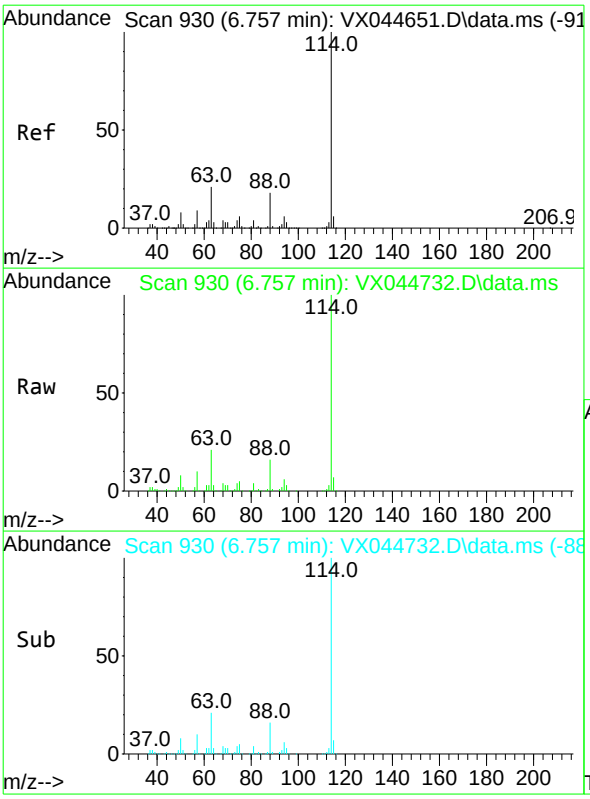


#33
1,2-Dichloroethane-d4
Concen: 48.957 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

Tgt Ion: 65 Resp: 103047

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	103.4



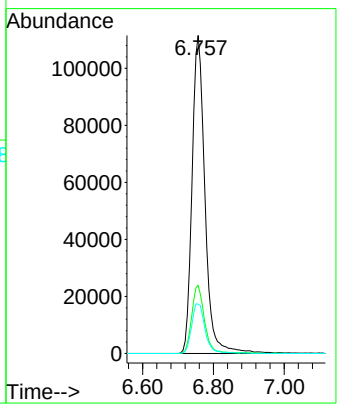


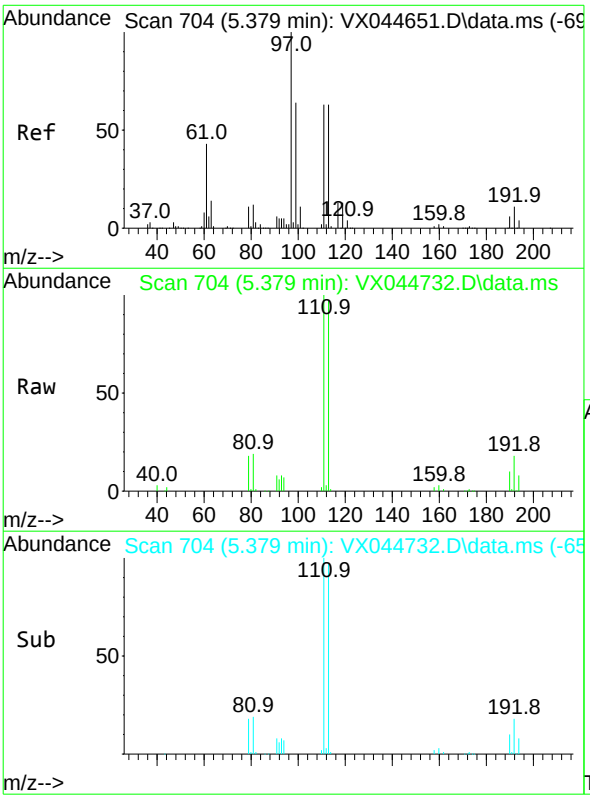
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

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

Tgt Ion:114 Resp: 282344

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	15.5	0.0	35.4

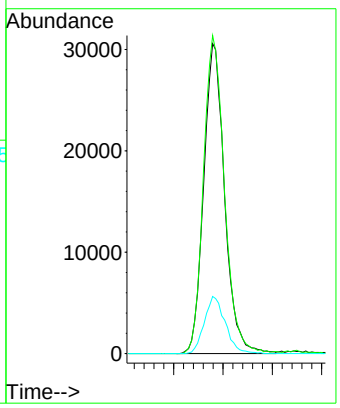


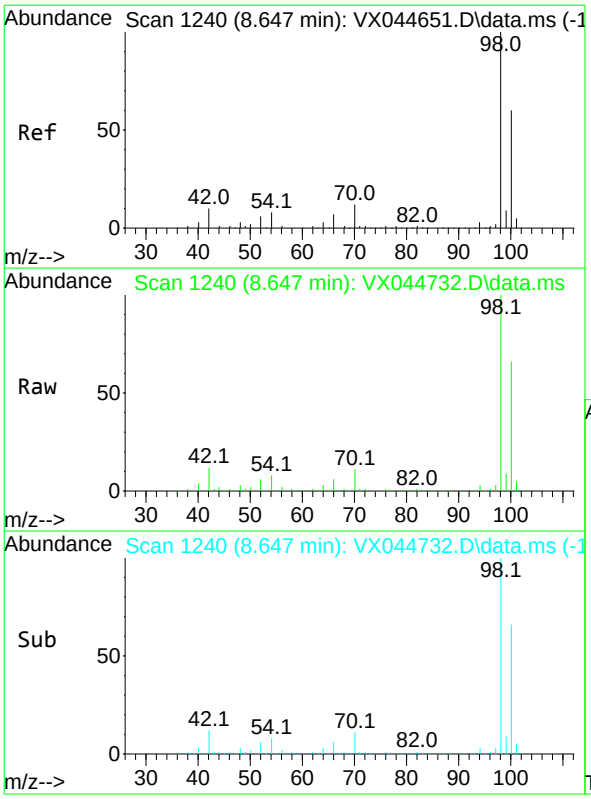


#35
Dibromofluoromethane
Concen: 50.126 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

Tgt Ion:113 Resp: 89910

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	18.5	14.4	21.6



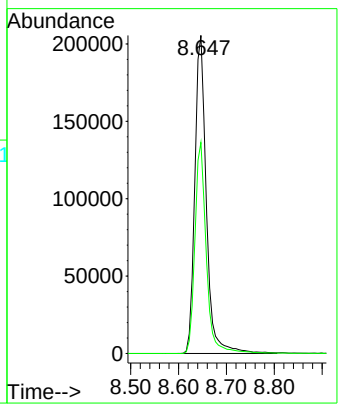


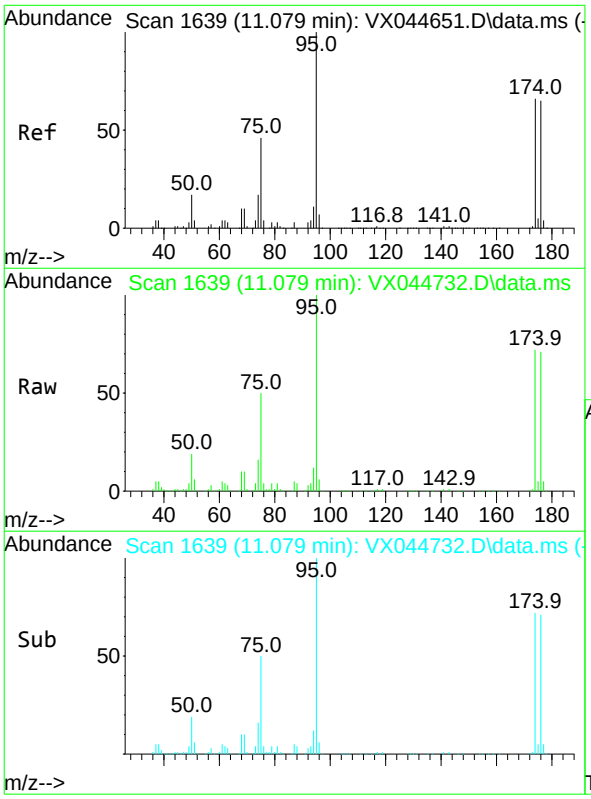
#50
Toluene-d8
Concen: 55.044 ug/l
RT: 8.647 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

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

Tgt Ion: 98 Resp: 344260

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.2	79.8

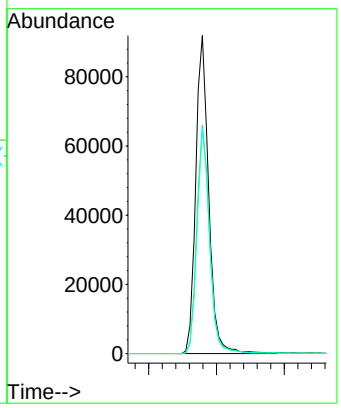


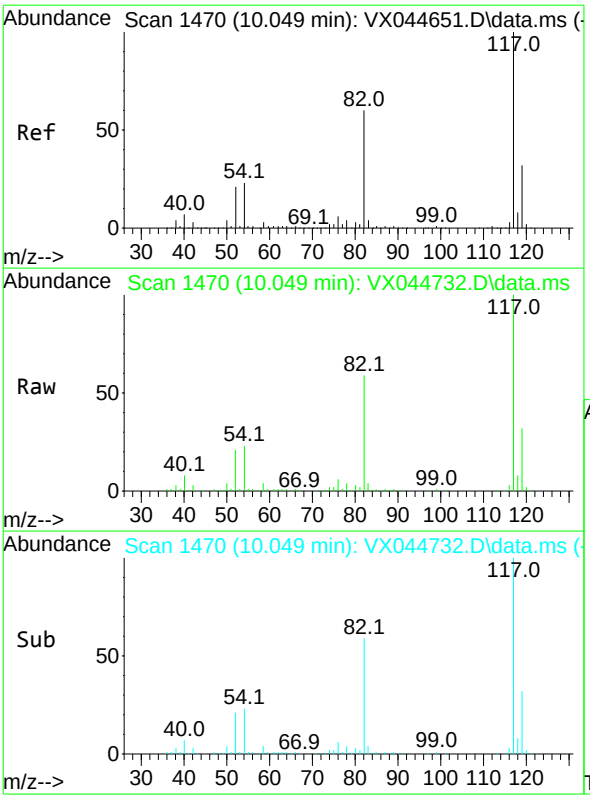


#62
4-Bromofluorobenzene
Concen: 52.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

Tgt Ion: 95 Resp: 121898

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	133.0
176	68.3	0.0	129.4



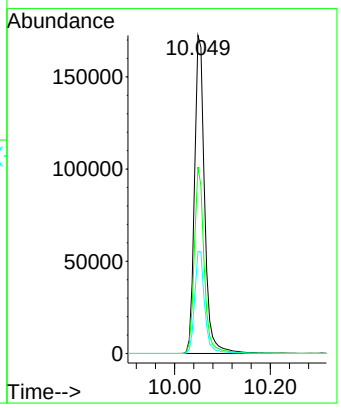


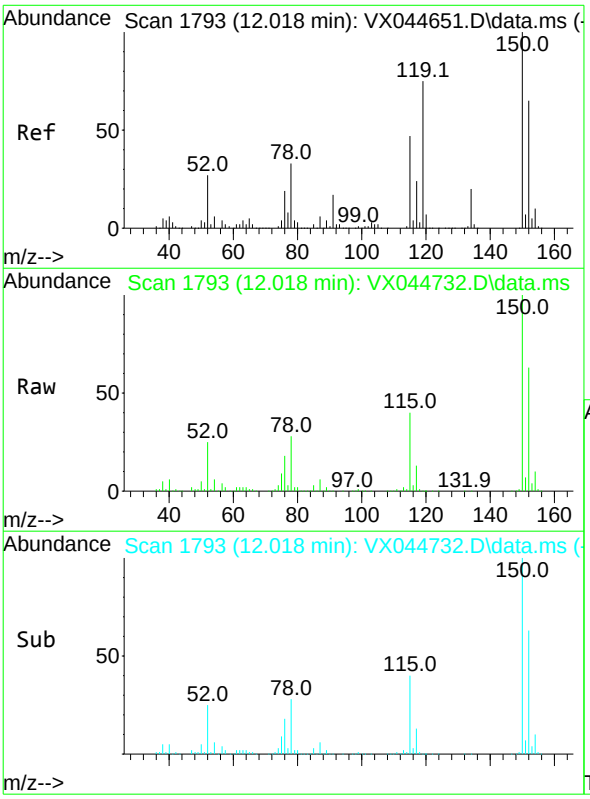
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

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

Tgt Ion:117 Resp: 252421

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.6	71.4
119	32.1	25.4	38.2

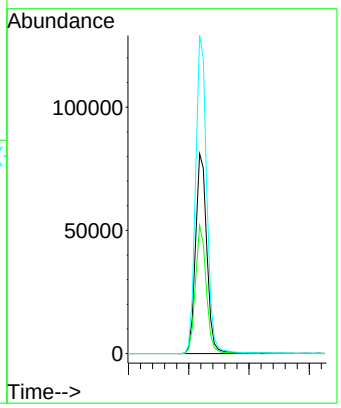




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044732.D
Acq: 27 Jan 2025 18:23

Tgt Ion:152 Resp: 105754

Ion	Ratio	Lower	Upper
152	100		
115	61.3	43.8	131.4
150	156.9	0.0	347.8



Raw Data: **VN085532.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1180
Lab Sample ID:	Q1180-04	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085532.D	1		01/28/25 12:36	VN012825

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: **VN085532.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1180
Lab Sample ID:	Q1180-04	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085532.D	1		01/28/25 12:36	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	UQ	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	UQ	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	UQ	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: **VN085532.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1180
Lab Sample ID:	Q1180-04	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085532.D	1		01/28/25 12:36	VN012825

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	UQ	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	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		77 - 121	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	8.224			
540-36-3	1,4-Difluorobenzene	325000	9.1			
3114-55-4	Chlorobenzene-d5	284000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.788			

Raw Data: **VN085532.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:	01/24/25
Project:	Weekly Storage Blanks	Date Received:	01/24/25
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	Q1180
Lab Sample ID:	Q1180-04	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085532.D	1		01/28/25 12:36	VN012825

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_N\Data\VN012825\
Data File : VN085532.D
Acq On : 28 Jan 2025 12:36
Operator : JC\MD
Sample : Q1180-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jan 29 01:34:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156340	53.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.440%			
35) Dibromofluoromethane	8.165	113	119192	52.809	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.620%			
50) Toluene-d8	10.565	98	400005	49.880	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.847	95	117774	42.933	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.860%			
Target Compounds						Qvalue

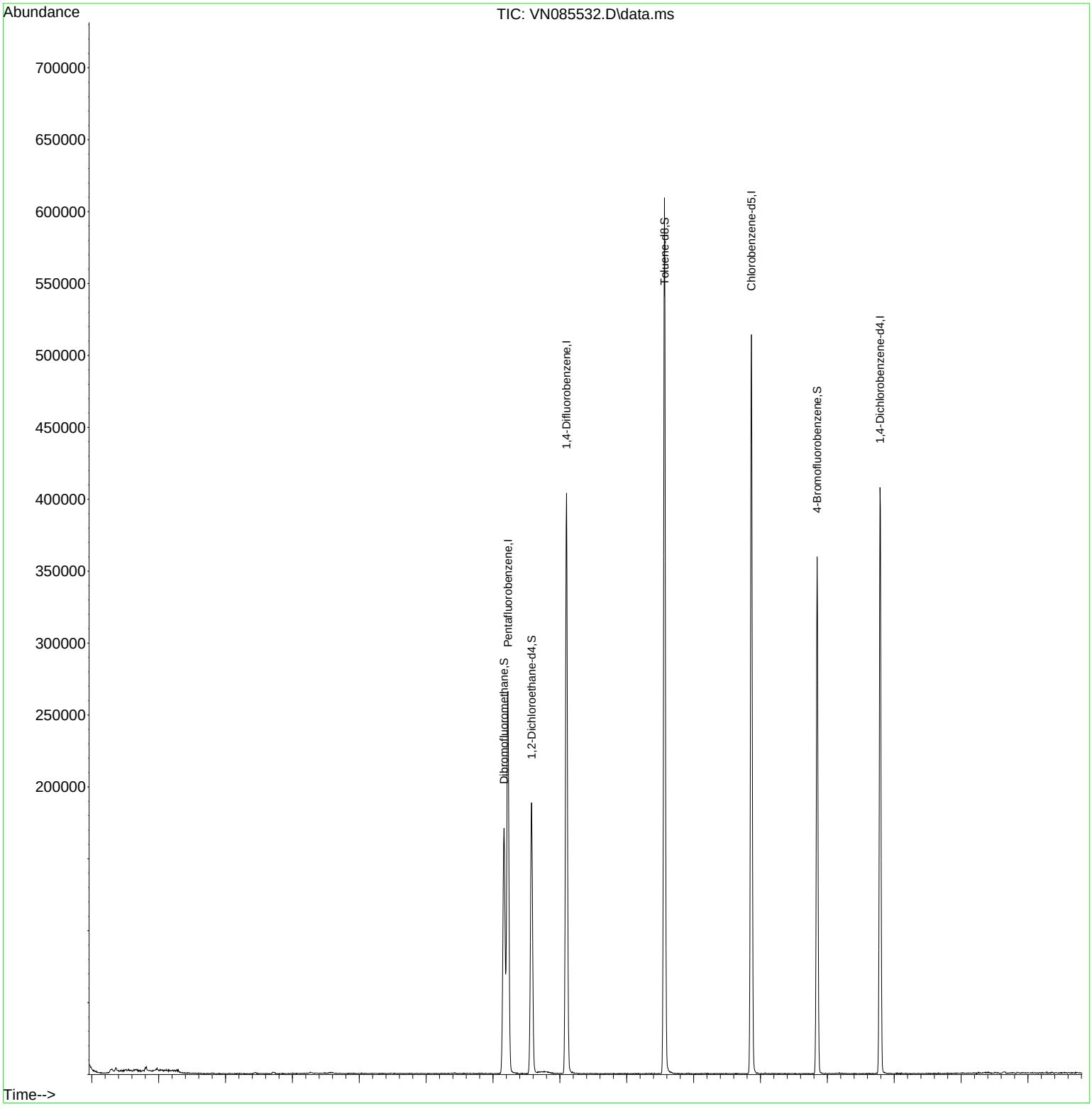
(#) = qualifier out of range (m) = manual integration (+) = signals summed

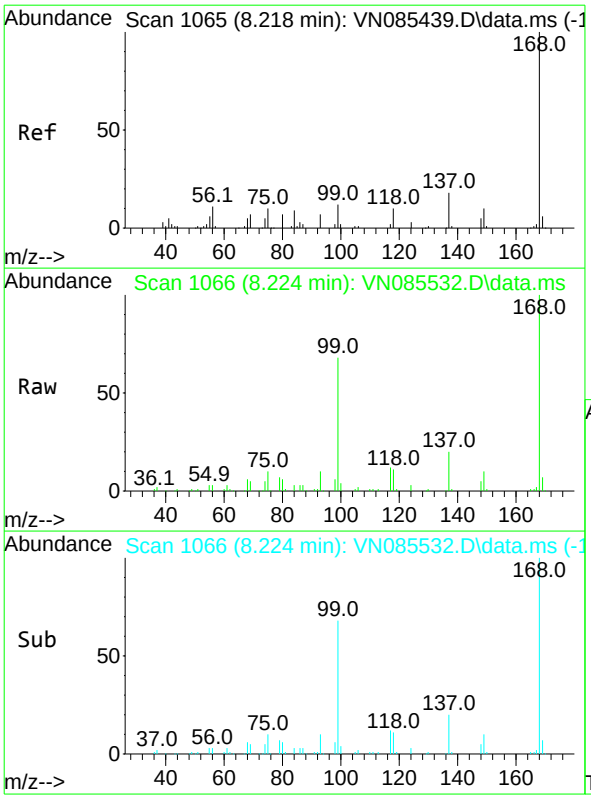
Sample Results: **VN085532.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085532.D
Acq On : 28 Jan 2025 12:36
Operator : JC\MD
Sample : Q1180-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jan 29 01:34:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



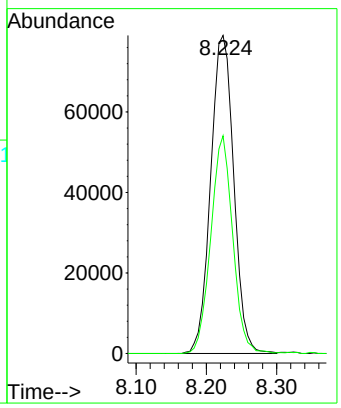


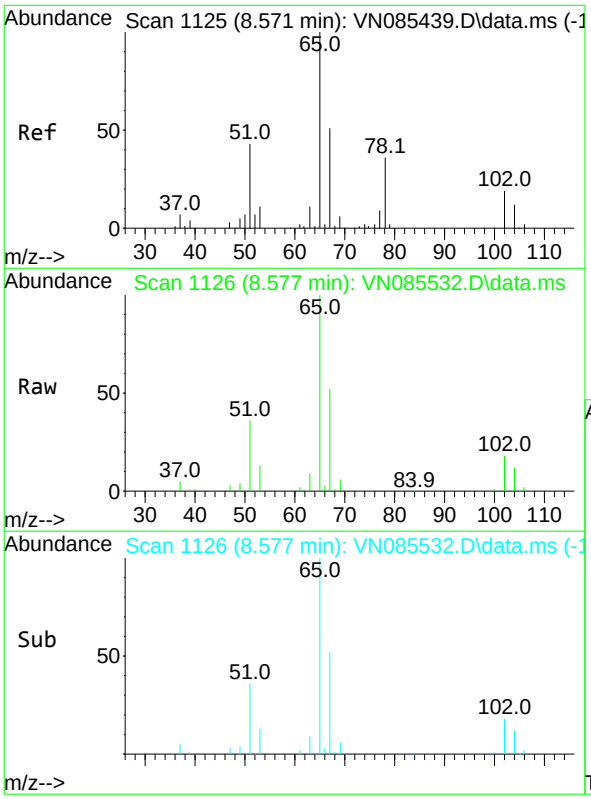
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

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

Tgt Ion:168 Resp: 180283

Ion	Ratio	Lower	Upper
168	100		
99	68.4	53.6	80.4

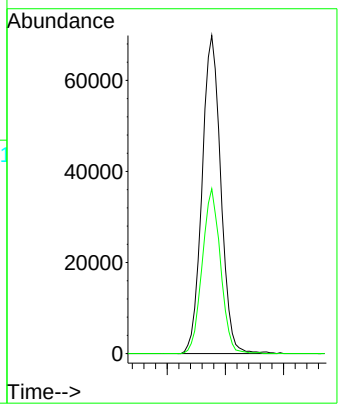


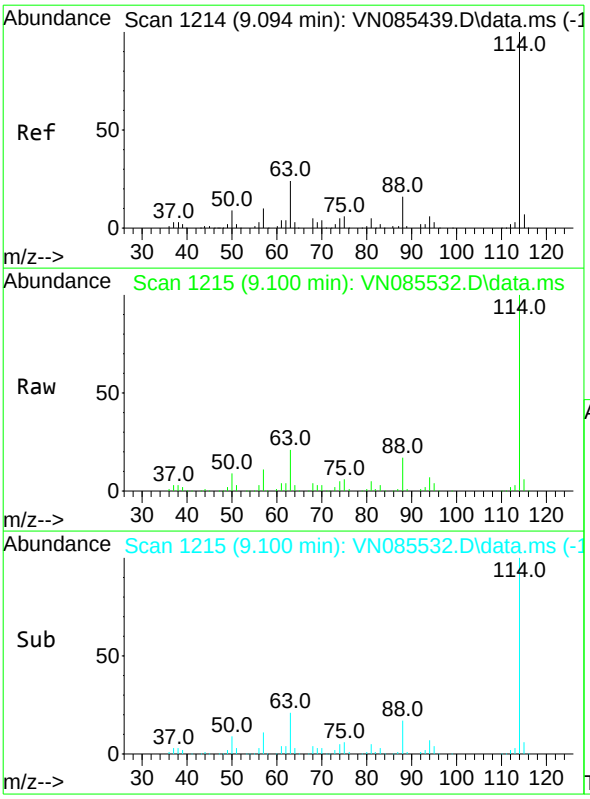


#33
1,2-Dichloroethane-d4
Concen: 53.723 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

Tgt Ion: 65 Resp: 156340

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	101.6



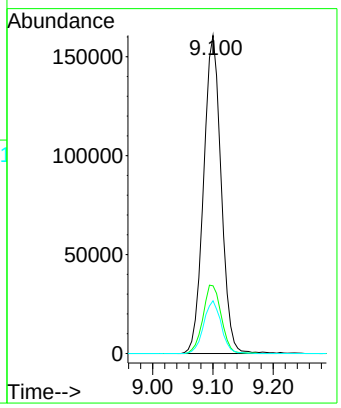


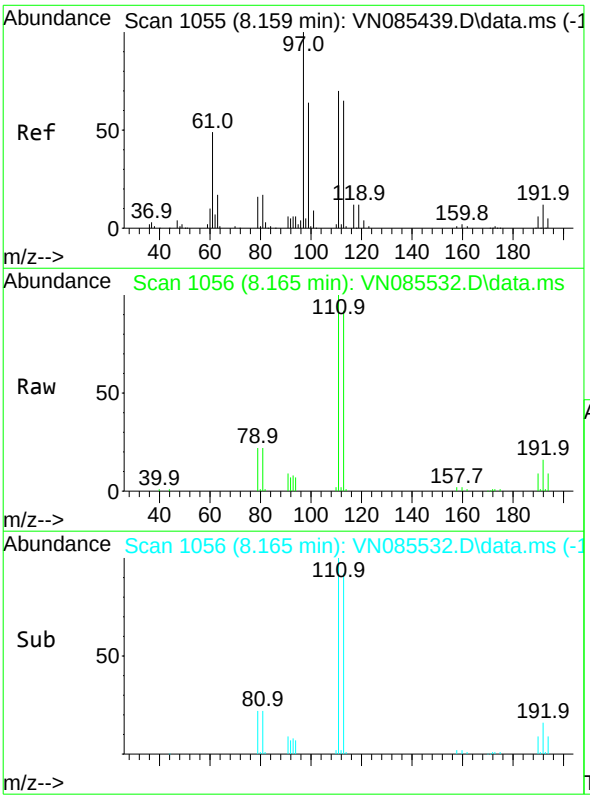
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

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

Tgt Ion:114 Resp: 325340

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	47.6
88	16.6	0.0	32.6

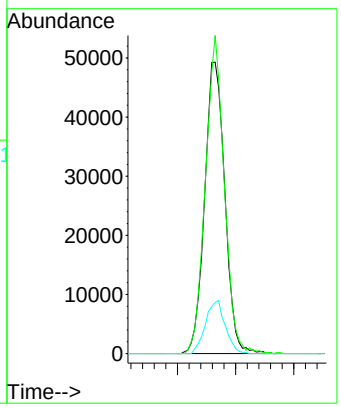


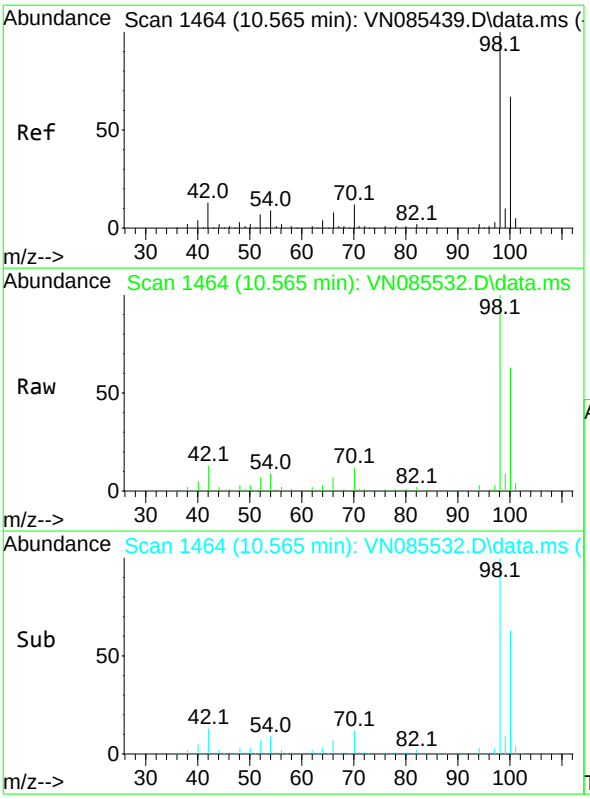


#35
Dibromofluoromethane
Concen: 52.809 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

Tgt Ion:113 Resp: 119192

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	17.7	14.3	21.5



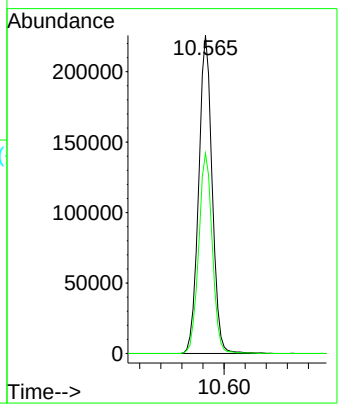


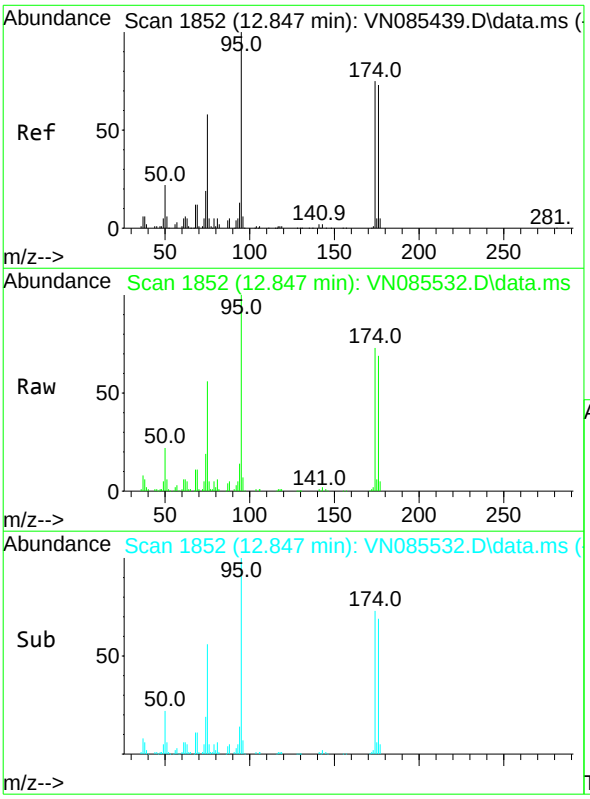
#50
Toluene-d8
Concen: 49.880 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

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

Tgt Ion: 98 Resp: 400005

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.2	78.4

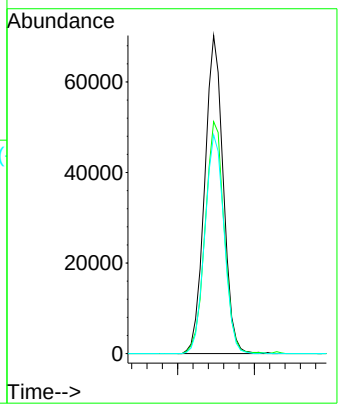


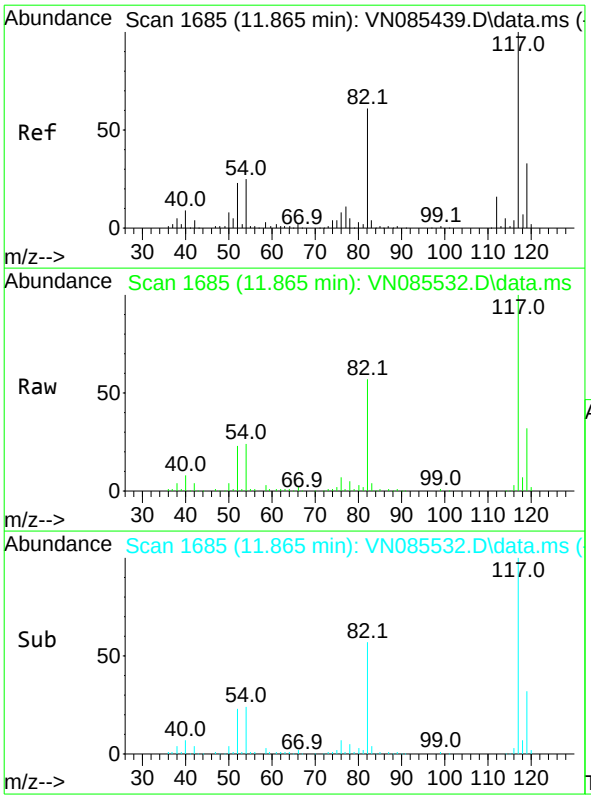


#62
4-Bromofluorobenzene
Concen: 42.933 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

Tgt Ion: 95 Resp: 117774

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.0
176	71.3	0.0	142.4



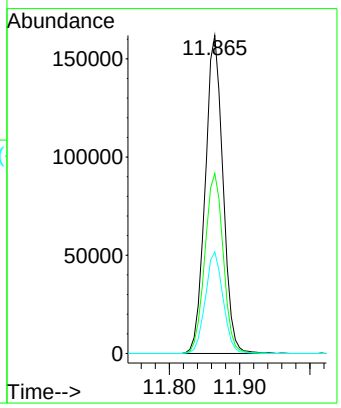


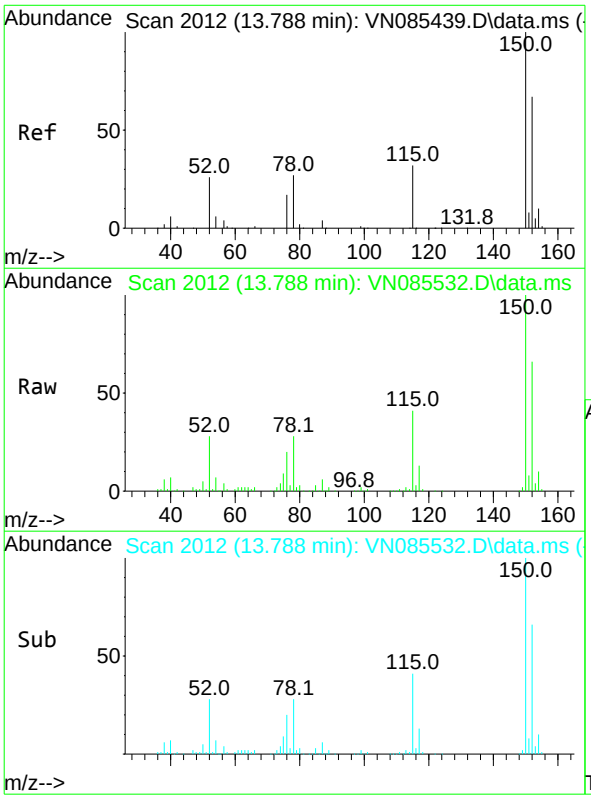
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

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

Tgt Ion:117 Resp: 283619

Ion	Ratio	Lower	Upper
117	100		
82	56.6	48.6	72.8
119	32.0	26.6	39.8

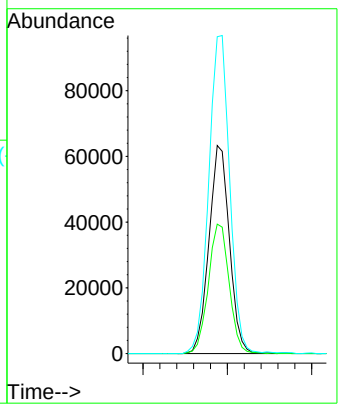




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085532.D
Acq: 28 Jan 2025 12:36

Tgt Ion:152 Resp: 106780

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.1	93.3
150	156.8	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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.664	0.629	0.681	0.667	0.708	0.714	0.677	4.6
Chloromethane	0.680	0.680	0.727	0.693	0.779	0.839	0.733	8.8
Vinyl Chloride	0.697	0.686	0.727	0.711	0.781	0.819	0.737	7.1
Ethyl Acetate	0.496	0.488	0.488	0.452	0.520	0.504	0.491	4.7
Bromomethane	0.392	0.417	0.454	0.437	0.525		0.445	11.3
Chloroethane	0.435	0.424	0.468	0.429	0.505	0.542	0.467	10.3
Trichlorofluoromethane	1.046	0.997	1.097	1.040	1.077	1.157	1.069	5.1
1,1,2-Trichlorotrifluoroethane	0.590	0.542	0.609	0.587	0.639	0.646	0.602	6.4
Tert butyl alcohol	0.085	0.093	0.095	0.092	0.097		0.092	4.8
1,1-Dichloroethene	0.548	0.533	0.556	0.526	0.559	0.497	0.537	4.3
Acrolein	0.136	0.140	0.124	0.131	0.101		0.126	12.1
Acrylonitrile	0.289	0.298	0.303	0.275	0.299	0.298	0.294	3.4
Acetone	0.238	0.252	0.252	0.247	0.269	0.306	0.261	9.3
Carbon Disulfide	1.555	1.477	1.647	1.537	1.719	1.978	1.652	11
Methyl tert-butyl Ether	1.834	1.873	1.853	1.664	1.685	1.545	1.742	7.5
Methyl Acetate	0.751	0.790	0.758	0.779	0.810	0.871	0.793	5.5
Methylene Chloride	0.629	0.629	0.658	0.606	0.696	0.656	0.646	4.9
trans-1,2-Dichloroethene	0.571	0.555	0.574	0.539	0.569	0.632	0.573	5.5
Vinyl Acetate	1.495	1.495	1.466	1.279	1.270	1.110	1.353	11.7
1,1-Dichloroethane	1.164	1.170	1.206	1.100	1.226	1.204	1.178	3.8
Cyclohexane	0.984	0.881	1.033	1.026	1.198		1.024	11.2
2-Butanone	0.378	0.390	0.398	0.363	0.387	0.386	0.384	3.1
Carbon Tetrachloride	0.574	0.530	0.579	0.529	0.565	0.567	0.557	4
2,2-Dichloropropane	0.958	0.936	0.985	0.922	0.986	0.930	0.953	3
cis-1,2-Dichloroethene	0.691	0.683	0.715	0.639	0.669	0.655	0.675	4
Bromochloromethane	0.530	0.542	0.513	0.486	0.595	0.624	0.548	9.4
Chloroform	1.197	1.175	1.241	1.169	1.253	1.273	1.218	3.6
1,1,1-Trichloroethane	1.053	1.016	1.091	1.000	1.148	1.102	1.068	5.2
Methylcyclohexane	0.564	0.463	0.477	0.407	0.437	0.397	0.457	13.3
1,1-Dichloropropene	0.521	0.462	0.499	0.441	0.490	0.509	0.487	6.2

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

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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Benzene	1.551	1.449	1.527	1.376	1.474	1.400	1.463	4.7
1,2-Dichloroethane	0.569	0.547	0.575	0.522	0.574	0.517	0.551	4.8
Trichloroethene	0.362	0.324	0.352	0.310	0.343	0.352	0.341	5.8
1,2-Dichloropropane	0.390	0.371	0.388	0.334	0.388	0.371	0.374	5.7
Dibromomethane	0.275	0.267	0.277	0.254	0.254	0.292	0.270	5.5
Bromodichloromethane	0.590	0.559	0.579	0.514	0.569	0.484	0.549	7.5
4-Methyl-2-Pentanone	0.499	0.492	0.495	0.432	0.443	0.380	0.457	10.3
Toluene	0.964	0.870	0.919	0.808	0.835	0.690	0.848	11.3
t-1,3-Dichloropropene	0.594	0.551	0.544	0.481	0.527	0.416	0.519	12
cis-1,3-Dichloropropene	0.623	0.588	0.601	0.527	0.538	0.450	0.554	11.4
1,1,2-Trichloroethane	0.348	0.340	0.353	0.309	0.349	0.314	0.335	5.7
1,3-Dichloropropane	0.627	0.602	0.618	0.555	0.584	0.514	0.583	7.3
2-Chloroethyl Vinyl ether	0.258	0.241	0.226	0.185	0.205	0.163	0.213	16.7
2-Hexanone	0.358	0.357	0.353	0.298	0.302	0.261	0.321	12.6
Dibromochloromethane	0.430	0.414	0.412	0.368	0.420	0.386	0.405	5.8
1,2-Dibromoethane	0.349	0.334	0.356	0.309	0.321	0.334	0.334	5.2
Tetrachloroethene	0.351	0.322	0.365	0.338	0.346	0.323	0.341	4.9
Chlorobenzene	1.133	1.076	1.154	1.047	1.110	1.051	1.095	4
1,1,1,2-Tetrachloroethane	0.404	0.392	0.408	0.371	0.412	0.425	0.402	4.7
Hexachloroethane	0.645	0.577	0.613	0.574	0.616	0.681	0.618	6.6
Ethyl Benzene	2.072	1.867	1.940	1.685	1.709	1.430	1.784	12.7
m/p-Xylenes	0.775	0.707	0.750	0.615	0.616	0.492	0.659	16
o-Xylene	0.738	0.681	0.713	0.584	0.582	0.482	0.630	15.5
Styrene	1.271	1.173	1.186	0.956	0.929	0.742	1.043	19.2
Bromoform	0.311	0.311	0.312	0.273	0.284	0.235	0.288	10.6
Isopropylbenzene	3.922	3.448	3.681	3.272	3.157	2.766	3.375	12.1
1,1,2,2-Tetrachloroethane	1.121	1.145	1.187	1.157	1.228	1.314	1.192	5.9
1,2,3-Trichloropropane	1.061	0.893	1.118	0.957	0.965	1.104	1.016	9
Bromobenzene	0.919	0.858	0.906	0.857	0.880	0.871	0.882	2.9
n-propylbenzene	4.738	4.154	4.400	3.846	3.605	3.227	3.995	13.7

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
2-Chlorotoluene	2.812	2.585	2.761	2.571	2.533	2.252	2.586	7.7
1,3,5-Trimethylbenzene	3.260	2.940	3.140	2.695	2.529	2.160	2.787	14.7
4-Chlorotoluene	2.847	2.588	2.820	2.512	2.536	2.144	2.574	9.9
tert-Butylbenzene	2.726	2.439	2.570	2.236	2.189	1.885	2.341	12.8
1,2,4-Trimethylbenzene	3.323	3.016	3.190	2.710	2.542	1.888	2.778	18.9
sec-Butylbenzene	3.912	3.421	3.643	3.147	3.026	2.318	3.244	17.2
p-Isopropyltoluene	3.286	2.872	2.942	2.541	2.368	1.777	2.631	20
1,3-Dichlorobenzene	1.720	1.565	1.701	1.574	1.656	1.526	1.624	4.9
1,4-Dichlorobenzene	1.706	1.562	1.713	1.607	1.743	1.767	1.683	4.8
n-Butylbenzene	2.881	2.483	2.485	2.168	2.176	1.772	2.327	16.2
1,2-Dichlorobenzene	1.611	1.555	1.654	1.532	1.600	1.766	1.620	5.2
1,2-Dibromo-3-Chloropropane	0.218	0.222	0.224	0.212	0.228	0.202	0.218	4.3
1,2,4-Trichlorobenzene	0.858	0.781	0.799	0.704	0.717	0.658	0.753	9.7
Hexachlorobutadiene	0.386	0.367	0.396	0.395	0.441	0.413	0.400	6.3
Naphthalene	2.588	2.482	2.348	1.958	1.987	2.115	2.246	11.8
1,2,3-Trichlorobenzene	0.817	0.786	0.792	0.732	0.693	0.750	0.762	6
1,2-Dichloroethane-d4	0.774	0.831	0.754	0.762	0.914		0.807	8.3
Dibromofluoromethane	0.359	0.358	0.335	0.310	0.373		0.347	7.1
Toluene-d8	1.339	1.267	1.207	1.076	1.274		1.232	8.1
4-Bromofluorobenzene	0.475	0.449	0.410	0.357	0.417		0.422	10.6

* 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.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025
Response Via : Initial Calibration

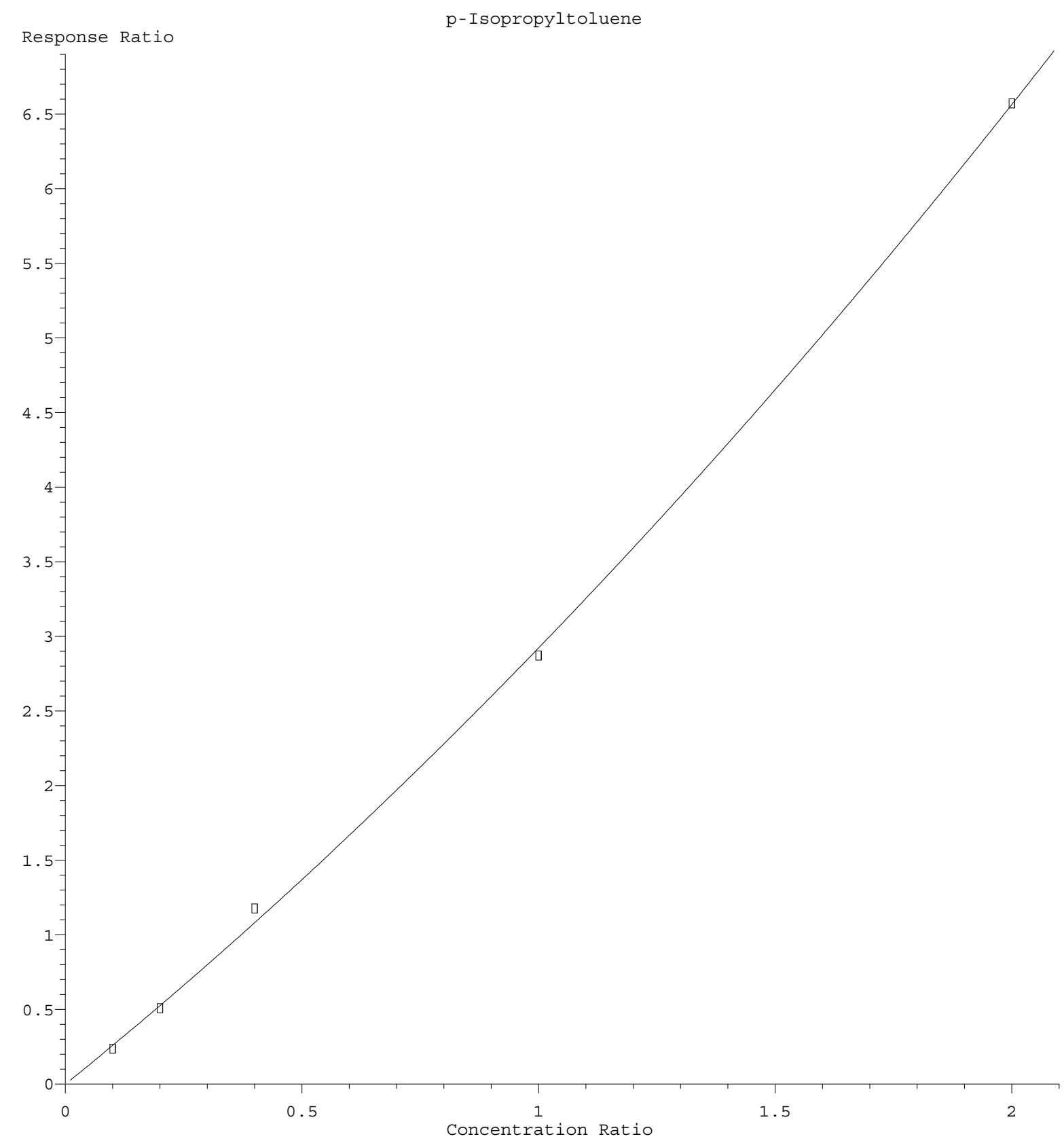
Calibration Files
1 =VN085443.D 5 =VN085442.D 10 =VN085441.D 20 =VN085440.D 50 =VN085439.D 100 =VN085438.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.714	0.708	0.667	0.681	0.629	0.664	0.677	4.59
3)	P	Chloromethane	0.839	0.779	0.693	0.727	0.680	0.680	0.733	8.77
4)	C	Vinyl Chloride	0.819	0.781	0.711	0.727	0.686	0.697	0.737	7.06#
5)	T	Bromomethane		0.525	0.437	0.454	0.417	0.392	0.445	11.26
6)	T	Chloroethane	0.542	0.505	0.429	0.468	0.424	0.435	0.467	10.27
7)	T	Trichlorofluor...	1.157	1.077	1.040	1.097	0.997	1.046	1.069	5.14
8)	T	Diethyl Ether	0.457	0.357	0.317	0.363	0.360	0.362	0.369	12.59
9)	T	1,1,2-Trichlor...	0.646	0.639	0.587	0.609	0.542	0.590	0.602	6.35
10)	T	Methyl Iodide		0.661	0.640	0.704	0.719	0.723	0.690	5.35
11)	T	Tert butyl alc...		0.097	0.092	0.095	0.093	0.085	0.092	4.80
12)	CM	1,1-Dichloroet...	0.497	0.559	0.526	0.556	0.533	0.548	0.537	4.31#
13)	T	Acrolein		0.101	0.131	0.124	0.140	0.136	0.126	12.09
14)	T	Allyl chloride	0.952	0.897	0.823	0.843	0.846	0.863	0.871	5.42
15)	T	Acrylonitrile	0.298	0.299	0.275	0.303	0.298	0.289	0.294	3.39
16)	T	Acetone	0.306	0.269	0.247	0.252	0.252	0.238	0.261	9.28
17)	T	Carbon Disulfide	1.978	1.719	1.537	1.647	1.477	1.555	1.652	10.95
18)	T	Methyl Acetate	0.871	0.810	0.779	0.758	0.790	0.751	0.793	5.54
19)	T	Methyl tert-bu...	1.545	1.685	1.664	1.853	1.873	1.834	1.742	7.53
20)	T	Methylene Chlo...	0.656	0.696	0.606	0.658	0.629	0.629	0.646	4.86
21)	T	trans-1,2-Dich...	0.632	0.569	0.539	0.574	0.555	0.571	0.573	5.50
22)	T	Diisopropyl ether	1.705	1.918	1.834	2.076	2.037	2.026	1.933	7.38
23)	T	Vinyl Acetate	1.110	1.270	1.279	1.466	1.495	1.495	1.353	11.67
24)	P	1,1-Dichloroet...	1.204	1.226	1.100	1.206	1.170	1.164	1.178	3.81
25)	T	2-Butanone	0.386	0.387	0.363	0.398	0.390	0.378	0.384	3.12
26)	T	2,2-Dichloropr...	0.930	0.986	0.922	0.985	0.936	0.958	0.953	2.96
27)	T	cis-1,2-Dichlo...	0.655	0.669	0.639	0.715	0.683	0.691	0.675	4.02
28)	T	Bromochloromet...	0.624	0.595	0.486	0.513	0.542	0.530	0.548	9.44
29)	T	Tetrahydrofuran	0.221	0.236	0.233	0.261	0.260	0.248	0.243	6.58
30)	C	Chloroform	1.273	1.253	1.169	1.241	1.175	1.197	1.218	3.59#
31)	T	Cyclohexane		1.198	1.026	1.033	0.881	0.984	1.024	11.18
32)	T	1,1,1-Trichlor...	1.102	1.148	1.000	1.091	1.016	1.053	1.068	5.24
33)	S	1,2-Dichloroet...		0.914	0.762	0.754	0.831	0.774	0.807	8.28
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.373	0.310	0.335	0.358	0.359	0.347	7.10
36)	T	1,1-Dichloropr...	0.509	0.490	0.441	0.499	0.462	0.521	0.487	6.17
37)	T	Ethyl Acetate	0.504	0.520	0.452	0.488	0.488	0.496	0.491	4.66
38)	T	Carbon Tetrach...	0.567	0.565	0.529	0.579	0.530	0.574	0.557	3.96
39)	T	Methylcyclohexane	0.397	0.437	0.407	0.477	0.463	0.564	0.457	13.29
40)	TM	Benzene	1.400	1.474	1.376	1.527	1.449	1.551	1.463	4.70
41)	T	Methacrylonitrile	0.241	0.227	0.248	0.268	0.270	0.280	0.256	7.89
42)	TM	1,2-Dichloroet...	0.517	0.574	0.522	0.575	0.547	0.569	0.551	4.78
43)	T	Isopropyl Acetate	0.793	0.764	0.719	0.801	0.813	0.835	0.787	5.20
44)	TM	Trichloroethene	0.352	0.343	0.310	0.352	0.324	0.362	0.341	5.79
45)	C	1,2-Dichloropr...	0.371	0.388	0.334	0.388	0.371	0.390	0.374	5.69#
46)	T	Dibromomethane	0.292	0.254	0.254	0.277	0.267	0.275	0.270	5.50
47)	T	Bromodichlorom...	0.484	0.569	0.514	0.579	0.559	0.590	0.549	7.48
48)	T	Methyl methacr...	0.311	0.326	0.321	0.369	0.392	0.406	0.354	11.37
49)	T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	0.006	6.72
50)	S	Toluene-d8		1.274	1.076	1.207	1.267	1.339	1.232	8.07
51)	T	4-Methyl-2-Pen...	0.380	0.443	0.432	0.495	0.492	0.499	0.457	10.33
52)	CM	Toluene	0.690	0.835	0.808	0.919	0.870	0.964	0.848	11.27#
53)	T	t-1,3-Dichloro...	0.416	0.527	0.481	0.544	0.551	0.594	0.519	11.98
54)	T	cis-1,3-Dichlo...	0.450	0.538	0.527	0.601	0.588	0.623	0.554	11.40
55)	T	1,1,2-Trichlor...	0.314	0.349	0.309	0.353	0.340	0.348	0.335	5.67

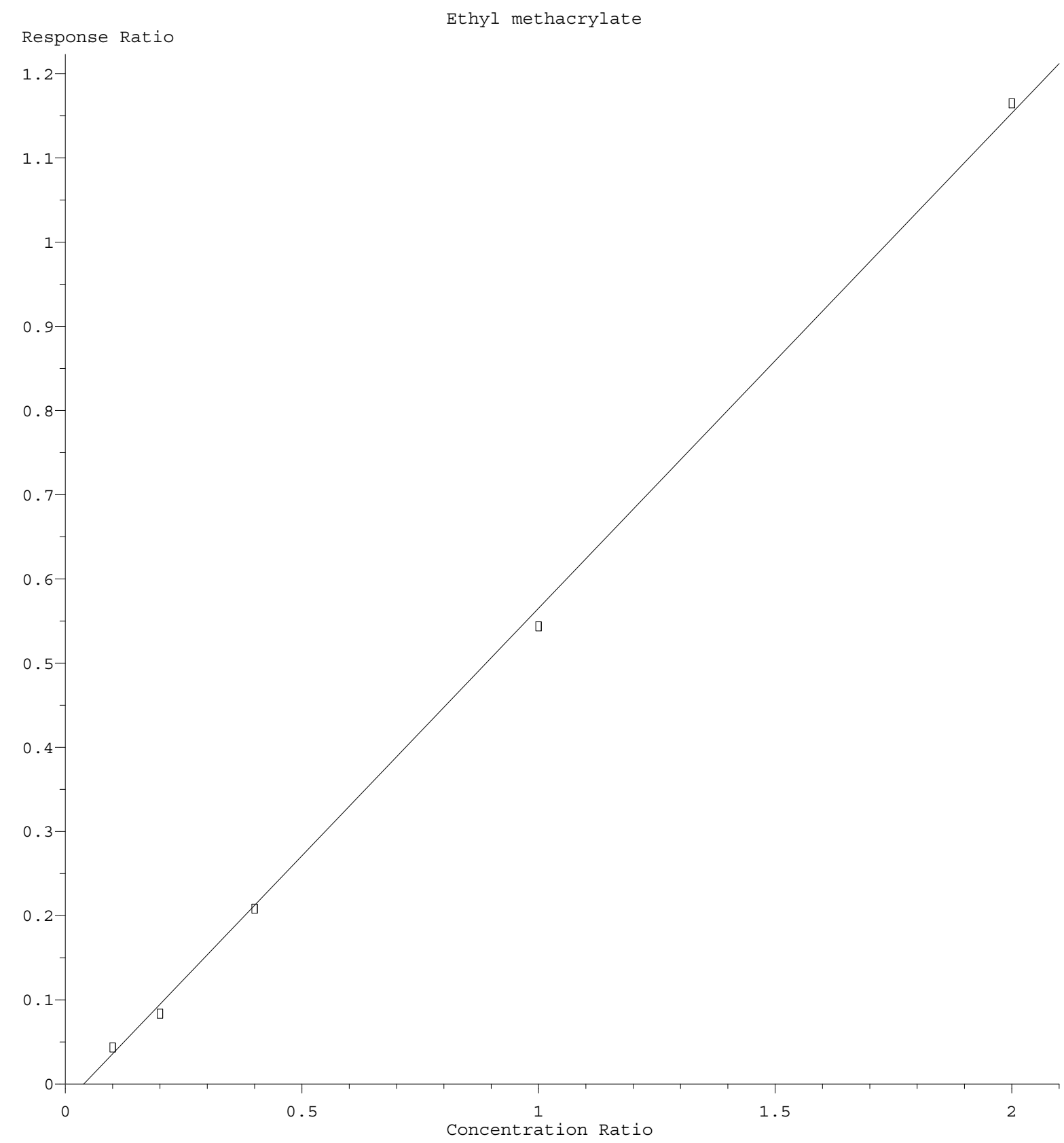
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N011425W.M

56)	T	Ethyl methacry...	0.317	0.434	0.418	0.521	0.544	0.582	0.469	20.85
57)	T	1,3-Dichloropr...	0.514	0.584	0.555	0.618	0.602	0.627	0.583	7.31
58)	T	2-Chloroethyl ...	0.163	0.205	0.185	0.226	0.241	0.258	0.213	16.67
59)	T	2-Hexanone	0.261	0.302	0.298	0.353	0.357	0.358	0.321	12.60
60)	T	Dibromochlorom...	0.386	0.420	0.368	0.412	0.414	0.430	0.405	5.79
61)	T	1,2-Dibromoethane	0.334	0.321	0.309	0.356	0.334	0.349	0.334	5.16
62)	S	4-Bromofluorob...		0.417	0.357	0.410	0.449	0.475	0.422	10.57
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.323	0.346	0.338	0.365	0.322	0.351	0.341	4.87
65)	PM	Chlorobenzene	1.051	1.110	1.047	1.154	1.076	1.133	1.095	4.03
66)	T	1,1,1,2-Tetrac...	0.425	0.412	0.371	0.408	0.392	0.404	0.402	4.65
67)	C	Ethyl Benzene	1.430	1.709	1.685	1.940	1.867	2.072	1.784	12.67#
68)	T	m/p-Xylenes	0.492	0.616	0.615	0.750	0.707	0.775	0.659	16.01
69)	T	o-Xylene	0.482	0.582	0.584	0.713	0.681	0.738	0.630	15.47
70)	T	Styrene	0.742	0.929	0.956	1.186	1.173	1.271	1.043	19.21
71)	P	Bromoform	0.235	0.284	0.273	0.312	0.311	0.311	0.288	10.61
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.766	3.157	3.272	3.681	3.448	3.922	3.375	12.06
74)	T	N-amyl acetate	1.364	1.394	1.405	1.642	1.622	1.673	1.517	9.43
75)	P	1,1,2,2-Tetrac...	1.314	1.228	1.157	1.187	1.145	1.121	1.192	5.89
76)	T	1,2,3-Trichlor...	1.104	0.965	0.957	1.118	0.893	1.061	1.016	8.96
77)	T	Bromobenzene	0.871	0.880	0.857	0.906	0.858	0.919	0.882	2.90
78)	T	n-propylbenzene	3.227	3.605	3.846	4.400	4.154	4.738	3.995	13.74
79)	T	2-Chlorotoluene	2.252	2.533	2.571	2.761	2.585	2.812	2.586	7.67
80)	T	1,3,5-Trimethy...	2.160	2.529	2.695	3.140	2.940	3.260	2.787	14.69
81)	T	trans-1,4-Dich...		0.335	0.347	0.386	0.390	0.419	0.376	9.04
82)	T	4-Chlorotoluene	2.144	2.536	2.512	2.820	2.588	2.847	2.574	9.91
83)	T	tert-Butylbenzene	1.885	2.189	2.236	2.570	2.439	2.726	2.341	12.85
84)	T	1,2,4-Trimethy...	1.888	2.542	2.710	3.190	3.016	3.323	2.778	18.89
85)	T	sec-Butylbenzene	2.318	3.026	3.147	3.643	3.421	3.912	3.244	17.17
86)	T	p-Isopropyltol...	1.777	2.368	2.541	2.942	2.872	3.286	2.631	20.04
87)	T	1,3-Dichlorobe...	1.526	1.656	1.574	1.701	1.565	1.720	1.624	4.91
88)	T	1,4-Dichlorobe...	1.767	1.743	1.607	1.713	1.562	1.706	1.683	4.78
89)	T	n-Butylbenzene	1.772	2.176	2.168	2.485	2.483	2.881	2.327	16.22
90)	T	Hexachloroethane	0.681	0.616	0.574	0.613	0.577	0.645	0.618	6.59
91)	T	1,2-Dichlorobe...	1.766	1.600	1.532	1.654	1.555	1.611	1.620	5.15
92)	T	1,2-Dibromo-3-...	0.202	0.228	0.212	0.224	0.222	0.218	0.218	4.31
93)	T	1,2,4-Trichlor...	0.658	0.717	0.704	0.799	0.781	0.858	0.753	9.69
94)	T	Hexachlorobuta...	0.413	0.441	0.395	0.396	0.367	0.386	0.400	6.31
95)	T	Naphthalene	2.115	1.987	1.958	2.348	2.482	2.588	2.246	11.79
96)	T	1,2,3-Trichlor...	0.750	0.693	0.732	0.792	0.786	0.817	0.762	5.96

(#) = Out of Range



R = 3.594e-001 A*A + 2.563e+000 A - 1.210e-003
Coef of Det (r^2) = 0.999599 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025



Response = 5.877e-001 * Amt - 2.270e-002
Coef of Det (r^2) = 0.998904 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	202613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	329363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	313645	95.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 191.800%#			
35) Dibromofluoromethane	8.159	113	236159	103.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 206.700%#			
50) Toluene-d8	10.565	98	881956	108.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 217.280%#			
62) 4-Bromofluorobenzene	12.847	95	313161	112.765	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 225.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	269023	98.065	ug/l	99
3) Chloromethane	2.359	50	275415	92.724	ug/l	98
4) Vinyl Chloride	2.512	62	282361	94.576	ug/l	99
5) Bromomethane	2.942	94	158888	88.105	ug/l	98
6) Chloroethane	3.112	64	176111	93.043	ug/l	99
7) Trichlorofluoromethane	3.494	101	423967	97.870	ug/l	100
8) Diethyl Ether	3.953	74	146889	98.154	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	239104	97.997	ug/l	99
10) Methyl Iodide	4.589	142	292983	104.856	ug/l	95
11) Tert butyl alcohol	5.512	59	173044	462.061	ug/l	99
12) 1,1-Dichloroethene	4.336	96	222117	102.146	ug/l	99
13) Acrolein	4.171	56	275350	538.600	ug/l	99
14) Allyl chloride	5.018	41	349717	99.111	ug/l	98
15) Acrylonitrile	5.712	53	585370	492.095	ug/l	99
16) Acetone	4.418	43	483221	457.268	ug/l	96
17) Carbon Disulfide	4.712	76	630294	94.140	ug/l	100
18) Methyl Acetate	5.012	43	304226	94.674	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	743008	105.230	ug/l	100
20) Methylene Chloride	5.271	84	254912	97.440	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	231503	99.618	ug/l	97
22) Diisopropyl ether	6.665	45	820871	104.812	ug/l	99
23) Vinyl Acetate	6.594	43	3029568	550.850	ug/l	99
24) 1,1-Dichloroethane	6.565	63	471831	98.803	ug/l	99
25) 2-Butanone	7.477	43	764979	491.912	ug/l	98
26) 2,2-Dichloropropane	7.482	77	388140	100.530	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	280197	102.367	ug/l	99
28) Bromochloromethane	7.806	49	214796	96.679	ug/l	100
29) Tetrahydrofuran	7.830	42	503459	510.635	ug/l	99
30) Chloroform	7.959	83	484941	98.253	ug/l	100
31) Cyclohexane	8.253	56	398641	96.041	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	426782	98.578	ug/l	98
36) 1,1-Dichloropropene	8.365	75	342961	106.945	ug/l	100
37) Ethyl Acetate	7.553	43	326802	100.961	ug/l	97
38) Carbon Tetrachloride	8.359	117	378390	103.065	ug/l	97
39) Methylcyclohexane	9.594	83	371734	123.354	ug/l	99
40) Benzene	8.600	78	1021393	106.001	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	184326	109.454 ug/l		96
42) 1,2-Dichloroethane	8.665	62	374938	103.314 ug/l		100
43) Isopropyl Acetate	8.682	43	549969	106.035 ug/l		100
44) Trichloroethene	9.347	130	238296	106.242 ug/l		96
45) 1,2-Dichloropropane	9.618	63	256964	104.405 ug/l		97
46) Dibromomethane	9.706	93	180990	101.913 ug/l		99
47) Bromodichloromethane	9.882	83	388499	107.377 ug/l		98
48) Methyl methacrylate	9.676	41	267689	114.685 ug/l		99
49) 1,4-Dioxane	9.688	88	83879	2133.992 ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	1643800	546.159 ug/l		100
52) Toluene	10.623	92	634743	113.689 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	391238	114.424 ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	410403	112.369 ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	229522	103.879 ug/l		98
56) Ethyl methacrylate	10.870	69	383663	101.029 ug/l		99
57) 1,3-Dichloropropane	11.159	76	412886	107.469 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	848636	605.243 ug/l		100
59) 2-Hexanone	11.194	43	1178831	556.643 ug/l		99
60) Dibromochloromethane	11.353	129	283361	106.227 ug/l		99
61) 1,2-Dibromoethane	11.465	107	230104	104.623 ug/l		98
64) Tetrachloroethene	11.100	164	209870	102.980 ug/l		98
65) Chlorobenzene	11.888	112	677679	103.482 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	241593	100.517 ug/l		99
67) Ethyl Benzene	11.959	91	1239080	116.169 ug/l		99
68) m/p-Xylenes	12.070	106	927244	235.219 ug/l		99
69) o-Xylene	12.394	106	441279	117.135 ug/l		100
70) Styrene	12.406	104	760136	121.919 ug/l		99
71) Bromoform	12.576	173	186124	108.227 ug/l	#	99
73) Isopropylbenzene	12.694	105	1146752	116.221 ug/l		100
74) N-amyl acetate	12.488	43	489217	110.308 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	327767	94.039 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	310115m	104.530 ug/l		
77) Bromobenzene	12.976	156	268616	104.200 ug/l		97
78) n-propylbenzene	13.029	91	1385353	118.600 ug/l		100
79) 2-Chlorotoluene	13.123	91	822258	108.767 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	953066	116.938 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	122508	111.544 ug/l		87
82) 4-Chlorotoluene	13.217	91	832317	110.574 ug/l		99
83) tert-Butylbenzene	13.435	119	797069	116.457 ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	971729	119.625 ug/l		100
85) sec-Butylbenzene	13.611	105	1143885	120.587 ug/l		100
86) p-Isopropyltoluene	13.723	119	960747	100.111 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	502960	105.943 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	498709	101.341 ug/l		97
89) n-Butylbenzene	14.053	91	842368	123.781 ug/l		98
90) Hexachloroethane	14.329	117	188541	104.405 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	470919	99.445 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	63846	100.313 ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	250787	113.946 ug/l		99
94) Hexachlorobutadiene	15.500	225	112899	96.619 ug/l		99
95) Naphthalene	15.635	128	756816	115.234 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	238860	107.256 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

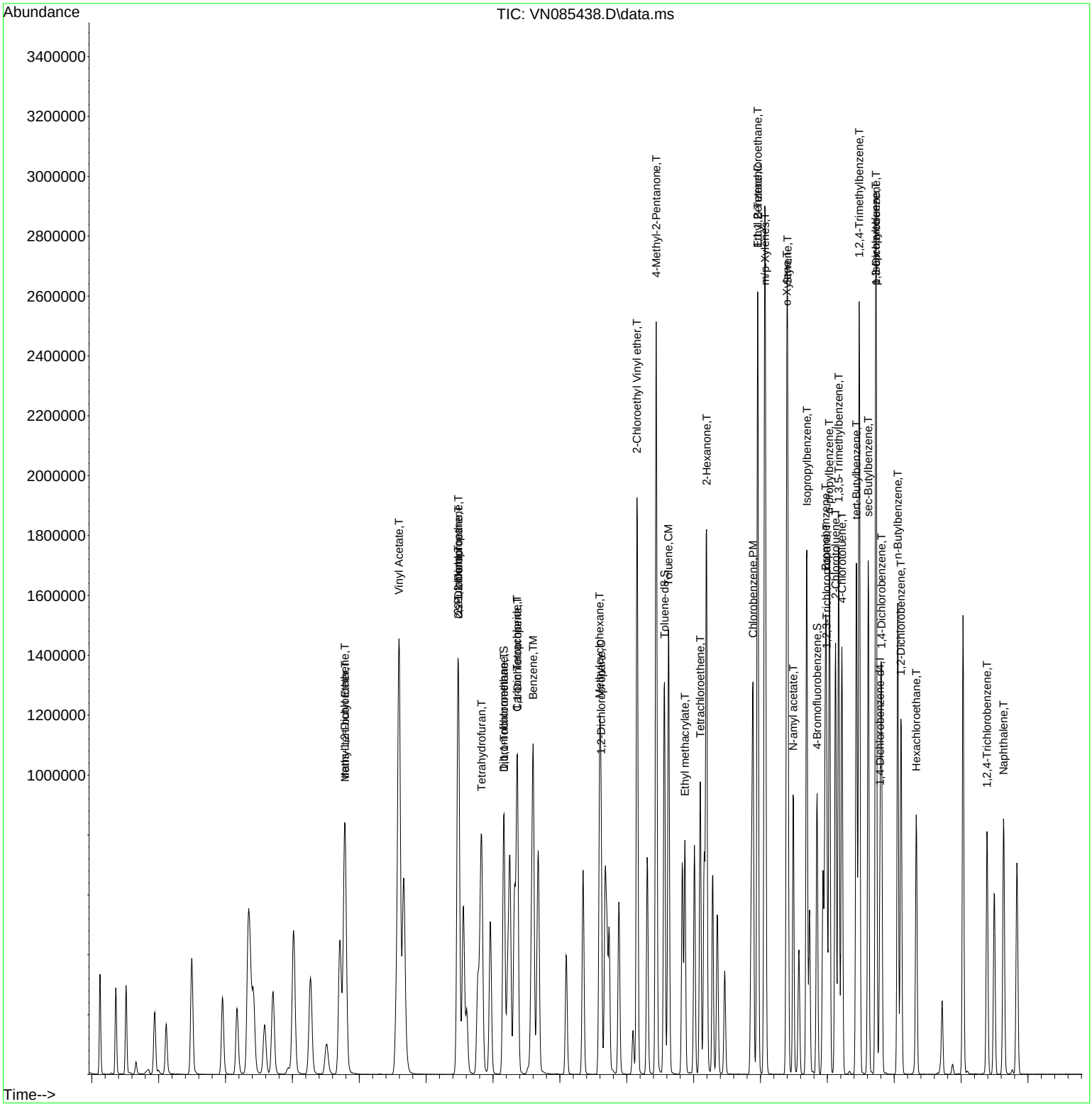
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	199403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	339872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165768	51.500	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	8.159	113	121554	51.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.565	98	430698	51.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.847	95	152568	53.239	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125504	46.486	ug/l	100
3) Chloromethane	2.359	50	135631	46.398	ug/l	100
4) Vinyl Chloride	2.512	62	136831	46.569	ug/l	100
5) Bromomethane	2.953	94	83199	46.877	ug/l	100
6) Chloroethane	3.118	64	84517	45.371	ug/l	100
7) Trichlorofluoromethane	3.501	101	198726	46.613	ug/l	100
8) Diethyl Ether	3.953	74	71764	48.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	108081	45.010	ug/l	100
10) Methyl Iodide	4.589	142	143383	52.142	ug/l	100
11) Tert butyl alcohol	5.512	59	92841	251.894	ug/l	100
12) 1,1-Dichloroethene	4.342	96	106247	49.647	ug/l	100
13) Acrolein	4.171	56	139234	276.734	ug/l	100
14) Allyl chloride	5.018	41	168654	48.567	ug/l	100
15) Acrylonitrile	5.712	53	296781	253.507	ug/l	100
16) Acetone	4.418	43	251271	241.603	ug/l	100
17) Carbon Disulfide	4.706	76	294604	44.710	ug/l	100
18) Methyl Acetate	5.018	43	157485	49.798	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	373561	53.758	ug/l	100
20) Methylene Chloride	5.271	84	125508	48.748	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	110684	48.395	ug/l	100
22) Diisopropyl ether	6.665	45	406253	52.707	ug/l	100
23) Vinyl Acetate	6.594	43	1491031	275.471	ug/l	100
24) 1,1-Dichloroethane	6.565	63	233336	49.648	ug/l	100
25) 2-Butanone	7.477	43	388457	253.815	ug/l	100
26) 2,2-Dichloropropane	7.483	77	186591	49.106	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	136229	50.571	ug/l	100
28) Bromochloromethane	7.806	49	108148	49.461	ug/l	100
29) Tetrahydrofuran	7.830	42	259683	267.624	ug/l	100
30) Chloroform	7.959	83	234271	48.229	ug/l	100
31) Cyclohexane	8.253	56	175588	42.984	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	202590	47.547	ug/l	100
36) 1,1-Dichloropropene	8.365	75	157031	47.453	ug/l	100
37) Ethyl Acetate	7.553	43	165866	49.658	ug/l	100
38) Carbon Tetrachloride	8.359	117	180199	47.564	ug/l	100
39) Methylcyclohexane	9.600	83	157234	50.562	ug/l	100
40) Benzene	8.600	78	492606	49.542	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	91711	52.775	ug/l		100
42) 1,2-Dichloroethane	8.665	62	186065	49.685	ug/l		100
43) Isopropyl Acetate	8.683	43	276228	51.611	ug/l		100
44) Trichloroethene	9.347	130	109953	47.506	ug/l		100
45) 1,2-Dichloropropane	9.618	63	126084	49.644	ug/l		100
46) Dibromomethane	9.706	93	90670	49.476	ug/l		100
47) Bromodichloromethane	9.882	83	189915	50.867	ug/l		100
48) Methyl methacrylate	9.677	41	133399	55.385	ug/l		100
49) 1,4-Dioxane	9.688	88	43048	1061.334	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	836707	269.403	ug/l		100
52) Toluene	10.624	92	295792	51.341	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	187439	53.125	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	199771	53.006	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	115462	50.641	ug/l		100
56) Ethyl methacrylate	10.871	69	184775	48.182	ug/l		100
57) 1,3-Dichloropropane	11.159	76	204590	51.606	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	409594	283.088	ug/l		100
59) 2-Hexanone	11.188	43	606740	277.643	ug/l		100
60) Dibromochloromethane	11.353	129	140704	51.116	ug/l		100
61) 1,2-Dibromoethane	11.465	107	113541	50.028	ug/l		100
64) Tetrachloroethene	11.100	164	95879	47.295	ug/l		100
65) Chlorobenzene	11.888	112	319992	49.121	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116488	48.722	ug/l		100
67) Ethyl Benzene	11.959	91	555322	52.339	ug/l		100
68) m/p-Xylenes	12.065	106	420702	107.286	ug/l		100
69) o-Xylene	12.394	106	202597	54.062	ug/l		100
70) Styrene	12.406	104	348720	56.227	ug/l		100
71) Bromoform	12.576	173	92366	53.993	ug/l	#	100
73) Isopropylbenzene	12.688	105	505619	51.094	ug/l		100
74) N-amyl acetate	12.488	43	237870	53.478	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	167856	48.019	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	130866m	43.982	ug/l		
77) Bromobenzene	12.976	156	125800	48.657	ug/l		100
78) n-propylbenzene	13.029	91	609022	51.986	ug/l		100
79) 2-Chlorotoluene	13.123	91	378981	49.985	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	431021	52.730	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57184	51.914	ug/l		100
82) 4-Chlorotoluene	13.218	91	379524	50.273	ug/l		100
83) tert-Butylbenzene	13.435	119	357563	52.090	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	442175	54.275	ug/l		100
85) sec-Butylbenzene	13.612	105	501561	52.719	ug/l		100
86) p-Isopropyltoluene	13.723	119	421052	49.240	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	229518	48.204	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	229084	46.416	ug/l		100
89) n-Butylbenzene	14.053	91	364111	53.348	ug/l		100
90) Hexachloroethane	14.329	117	84602	46.712	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	228024	48.012	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32536	50.971	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	114468	51.857	ug/l		100
94) Hexachlorobutadiene	15.500	225	53846	45.947	ug/l		100
95) Naphthalene	15.635	128	363882	55.243	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	115251	51.601	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

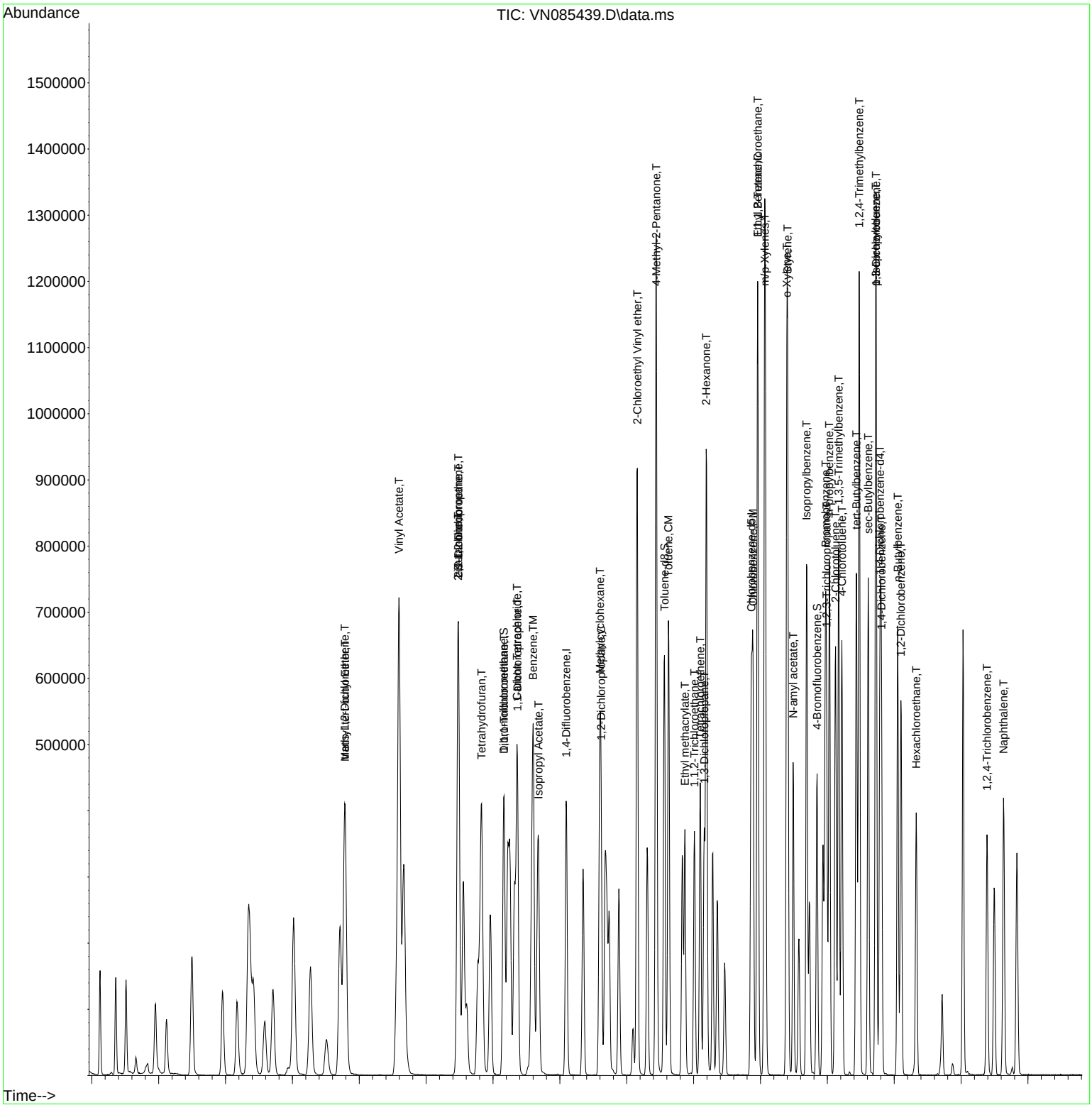
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	60593	18.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	37.380%#		
35) Dibromofluoromethane	8.165	113	45655	19.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.640%#		
50) Toluene-d8	10.559	98	164391	19.581	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.160%#		
62) 4-Bromofluorobenzene	12.847	95	55798	19.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	54666	20.107	ug/l	98
3) Chloromethane	2.359	50	58426	19.848	ug/l	100
4) Vinyl Chloride	2.512	62	58403	19.739	ug/l	99
5) Bromomethane	2.954	94	36440	20.389	ug/l	94
6) Chloroethane	3.118	64	37594	20.041	ug/l	93
7) Trichlorofluoromethane	3.501	101	88121	20.526	ug/l	99
8) Diethyl Ether	3.965	74	29138	19.647	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48933	20.237	ug/l	99
10) Methyl Iodide	4.589	142	56567	20.428	ug/l	93
11) Tert butyl alcohol	5.506	59	37984	102.342	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44670	20.728	ug/l	95
13) Acrolein	4.171	56	49649	97.995	ug/l	99
14) Allyl chloride	5.024	41	67705	19.362	ug/l	96
15) Acrylonitrile	5.712	53	121626	103.171	ug/l	99
16) Acetone	4.424	43	101065	96.502	ug/l	96
17) Carbon Disulfide	4.712	76	132300	19.939	ug/l	98
18) Methyl Acetate	5.018	43	60873	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	148847	21.272	ug/l	100
20) Methylene Chloride	5.271	84	52813	20.370	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	46115	20.023	ug/l	98
22) Diisopropyl ether	6.671	45	166719	21.480	ug/l	97
23) Vinyl Acetate	6.594	43	588567m	107.984	ug/l	
24) 1,1-Dichloroethane	6.565	63	96875	20.469	ug/l #	96
25) 2-Butanone	7.477	43	159952	103.786	ug/l	98
26) 2,2-Dichloropropane	7.483	77	79145	20.684	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	57454	21.180	ug/l	98
28) Bromochloromethane	7.812	49	41181	18.703	ug/l	99
29) Tetrahydrofuran	7.836	42	104792	107.247	ug/l	99
30) Chloroform	7.959	83	99655	20.374	ug/l	99
31) Cyclohexane	8.253	56	82980	20.173	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	87659	20.431	ug/l	98
36) 1,1-Dichloropropene	8.371	75	67949	20.490	ug/l	98
37) Ethyl Acetate	7.553	43	66443	19.850	ug/l	96
38) Carbon Tetrachloride	8.359	117	78842	20.767	ug/l	96
39) Methylcyclohexane	9.594	83	65012	20.862	ug/l	96
40) Benzene	8.600	78	207985	20.873	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	36578	21.004	ug/l		99
42) 1,2-Dichloroethane	8.665	62	78402	20.891	ug/l		99
43) Isopropyl Acetate	8.683	43	109131	20.347	ug/l		98
44) Trichloroethene	9.347	130	48009	20.699	ug/l		96
45) 1,2-Dichloropropane	9.618	63	52833	20.758	ug/l		93
46) Dibromomethane	9.700	93	37721	20.540	ug/l		98
47) Bromodichloromethane	9.882	83	78918	21.093	ug/l		96
48) Methyl methacrylate	9.677	41	50224	20.808	ug/l		96
49) 1,4-Dioxane	9.688	88	17140	421.686	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	336911	108.249	ug/l		100
52) Toluene	10.630	92	125172	21.680	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	74129	20.965	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	81897	21.684	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	48039	21.025	ug/l		97
56) Ethyl methacrylate	10.871	69	70934	19.649	ug/l		99
57) 1,3-Dichloropropane	11.159	76	84210	21.196	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	153681	105.991	ug/l		100
59) 2-Hexanone	11.194	43	240595	109.863	ug/l		98
60) Dibromochloromethane	11.353	129	56069	20.326	ug/l		96
61) 1,2-Dibromoethane	11.465	107	48465	21.309	ug/l		96
64) Tetrachloroethene	11.100	164	43243	21.408	ug/l		96
65) Chlorobenzene	11.888	112	136809	21.077	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48370	20.304	ug/l		98
67) Ethyl Benzene	11.959	91	229978	21.753	ug/l		98
68) m/p-Xylenes	12.071	106	177755	45.494	ug/l		100
69) o-Xylene	12.394	106	84548	22.643	ug/l		98
70) Styrene	12.412	104	140581	22.749	ug/l		99
71) Bromoform	12.576	173	36961	21.683	ug/l	#	96
73) Isopropylbenzene	12.694	105	211354	21.819	ug/l		100
74) N-amyl acetate	12.494	43	94292	21.656	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68151	19.917	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	64180m	22.036	ug/l		
77) Bromobenzene	12.976	156	52022	20.556	ug/l		99
78) n-propylbenzene	13.035	91	252610	22.028	ug/l		100
79) 2-Chlorotoluene	13.123	91	158511	21.358	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	180294	22.533	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22178m	20.569	ug/l		
82) 4-Chlorotoluene	13.218	91	161880	21.906	ug/l		100
83) tert-Butylbenzene	13.435	119	147541	21.958	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	183144	22.965	ug/l		99
85) sec-Butylbenzene	13.612	105	209133	22.457	ug/l		100
86) p-Isopropyltoluene	13.729	119	168888	21.661	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	97652	20.952	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	98321	20.351	ug/l		99
89) n-Butylbenzene	14.053	91	142673	21.355	ug/l		99
90) Hexachloroethane	14.329	117	35205	19.858	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	94954	20.425	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12859	20.580	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	45878	21.233	ug/l		99
94) Hexachlorobutadiene	15.500	225	22719	19.805	ug/l		95
95) Naphthalene	15.635	128	134793	20.906	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	45468	20.797	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

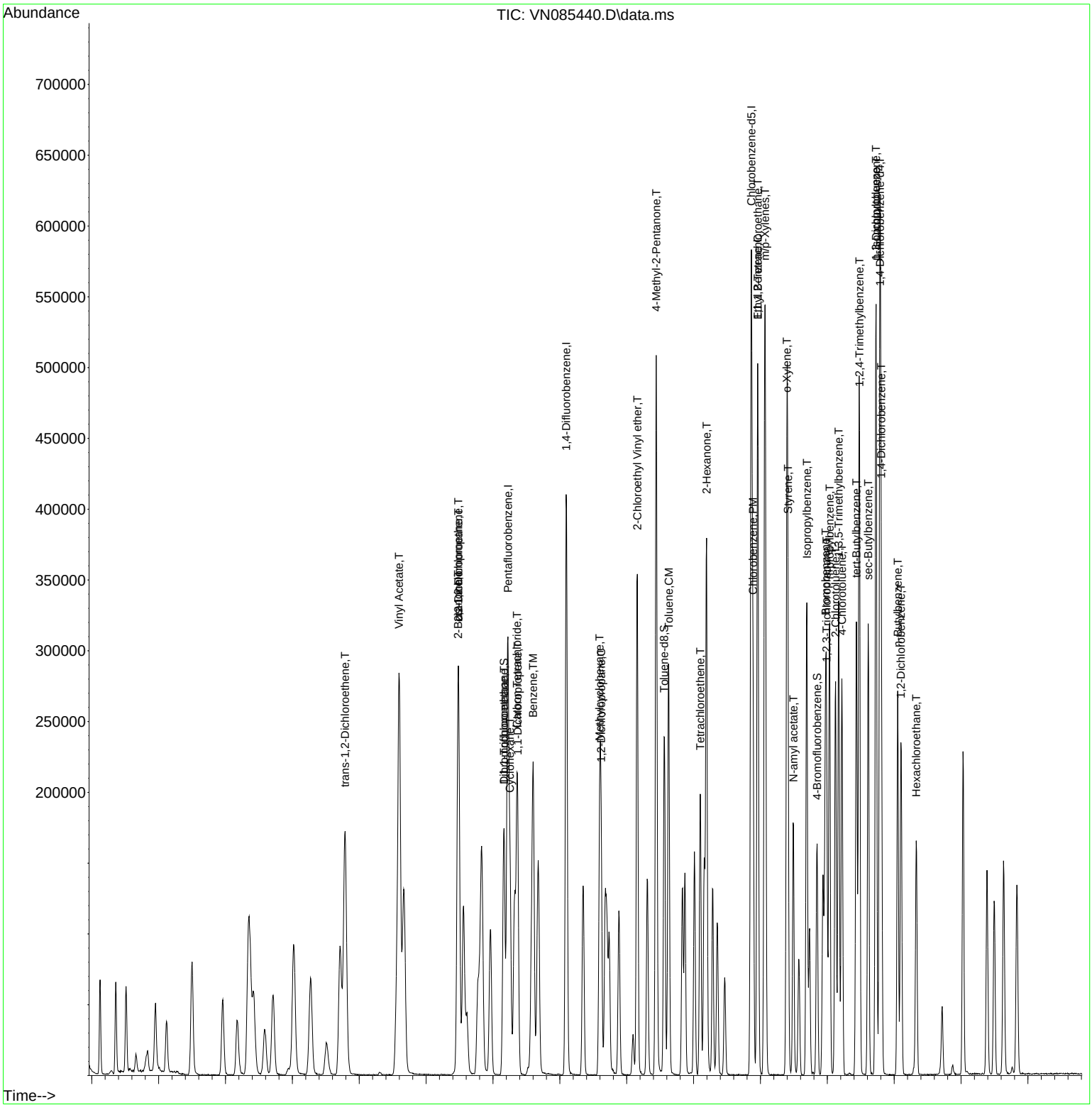
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	29856	9.442	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 18.880%#			
35) Dibromofluoromethane	8.165	113	21110	8.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 17.880%#			
50) Toluene-d8	10.565	98	73223	8.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 17.460%#			
62) 4-Bromofluorobenzene	12.847	95	24327	8.476	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 16.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26124	9.850	ug/l	96
3) Chloromethane	2.359	50	27143	9.452	ug/l	99
4) Vinyl Chloride	2.512	62	27862	9.653	ug/l	100
5) Bromomethane	2.965	94	17139	9.830	ug/l	87
6) Chloroethane	3.130	64	16791	9.175	ug/l	96
7) Trichlorofluoromethane	3.501	101	40755	9.731	ug/l	98
8) Diethyl Ether	3.953	74	12415	8.581	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	22982	9.742	ug/l	98
10) Methyl Iodide	4.589	142	25085	9.286	ug/l	99
11) Tert butyl alcohol	5.512	59	17962	49.608	ug/l	97
12) 1,1-Dichloroethene	4.342	96	20615	9.806	ug/l	99
13) Acrolein	4.177	56	25568	51.729	ug/l	99
14) Allyl chloride	5.018	41	32240	9.451	ug/l	97
15) Acrylonitrile	5.712	53	53959	46.918	ug/l	98
16) Acetone	4.424	43	48475	47.446	ug/l	98
17) Carbon Disulfide	4.712	76	60201	9.300	ug/l #	94
18) Methyl Acetate	5.030	43	30500	9.817	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	65207	9.552	ug/l	91
20) Methylene Chloride	5.277	84	23723	9.379	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	21127	9.403	ug/l	97
22) Diisopropyl ether	6.671	45	71857	9.490	ug/l	97
23) Vinyl Acetate	6.600	43	250575	47.125	ug/l	98
24) 1,1-Dichloroethane	6.565	63	43099	9.335	ug/l	95
25) 2-Butanone	7.477	43	71191	47.350	ug/l	99
26) 2,2-Dichloropropane	7.483	77	36105	9.672	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	25049	9.466	ug/l	97
28) Bromochloromethane	7.806	49	19037	8.863	ug/l	97
29) Tetrahydrofuran	7.836	42	45641	47.881	ug/l	98
30) Chloroform	7.965	83	45792	9.596	ug/l	100
31) Cyclohexane	8.253	56	40211	10.020	ug/l #	93
32) 1,1,1-Trichloroethane	8.165	97	39170	9.358	ug/l	99
36) 1,1-Dichloropropene	8.371	75	30015	9.056	ug/l	97
37) Ethyl Acetate	7.559	43	30760	9.195	ug/l	97
38) Carbon Tetrachloride	8.359	117	36015	9.492	ug/l	94
39) Methylcyclohexane	9.594	83	27721	8.900	ug/l	95
40) Benzene	8.600	78	93680	9.407	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	16859	9.686	ug/l		96
42) 1,2-Dichloroethane	8.665	62	35569	9.483	ug/l		99
43) Isopropyl Acetate	8.683	43	48926	9.127	ug/l		99
44) Trichloroethene	9.347	130	21113	9.108	ug/l		95
45) 1,2-Dichloropropane	9.618	63	22747	8.942	ug/l		97
46) Dibromomethane	9.706	93	17260	9.404	ug/l		99
47) Bromodichloromethane	9.883	83	35020	9.365	ug/l		98
48) Methyl methacrylate	9.677	41	21873	9.067	ug/l		97
49) 1,4-Dioxane	9.694	88	7734	190.382	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	146990	47.254	ug/l		98
52) Toluene	10.630	92	54976	9.527	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	32780	9.276	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	35904	9.512	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	21060	9.222	ug/l		98
56) Ethyl methacrylate	10.871	69	28454	9.042	ug/l		95
57) 1,3-Dichloropropane	11.159	76	37768	9.512	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	63110	43.550	ug/l		98
59) 2-Hexanone	11.194	43	101318	46.291	ug/l		98
60) Dibromochloromethane	11.353	129	25029	9.079	ug/l		98
61) 1,2-Dibromoethane	11.465	107	21055	9.263	ug/l		100
64) Tetrachloroethene	11.100	164	19934	9.928	ug/l		97
65) Chlorobenzene	11.888	112	61680	9.560	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	21853	9.229	ug/l		98
67) Ethyl Benzene	11.959	91	99248	9.445	ug/l		97
68) m/p-Xylenes	12.065	106	72431	18.650	ug/l		99
69) o-Xylene	12.394	106	34382	9.264	ug/l		99
70) Styrene	12.406	104	56285	9.163	ug/l		98
71) Bromoform	12.576	173	16071	9.485	ug/l	#	98
73) Isopropylbenzene	12.694	105	87003	9.697	ug/l		99
74) N-amyl acetate	12.494	43	37343	9.260	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30770	9.709	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	25443m	9.432	ug/l		
77) Bromobenzene	12.976	156	22784	9.720	ug/l		97
78) n-propylbenzene	13.035	91	102262	9.628	ug/l		98
79) 2-Chlorotoluene	13.123	91	68346	9.943	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	71656	9.669	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	9236	9.248	ug/l		100
82) 4-Chlorotoluene	13.218	91	66773	9.756	ug/l		97
83) tert-Butylbenzene	13.435	119	59455	9.553	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	72046	9.754	ug/l		99
85) sec-Butylbenzene	13.612	105	83662	9.699	ug/l		99
86) p-Isopropyltoluene	13.729	119	67556	9.674	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	41843	9.693	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	42728	9.549	ug/l		99
89) n-Butylbenzene	14.053	91	57632	9.314	ug/l		97
90) Hexachloroethane	14.329	117	15261	9.294	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	40726	9.458	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5639	9.744	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	18720	9.354	ug/l		99
94) Hexachlorobutadiene	15.500	225	10491	9.874	ug/l		98
95) Naphthalene	15.635	128	52054	8.717	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	19450	9.605	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

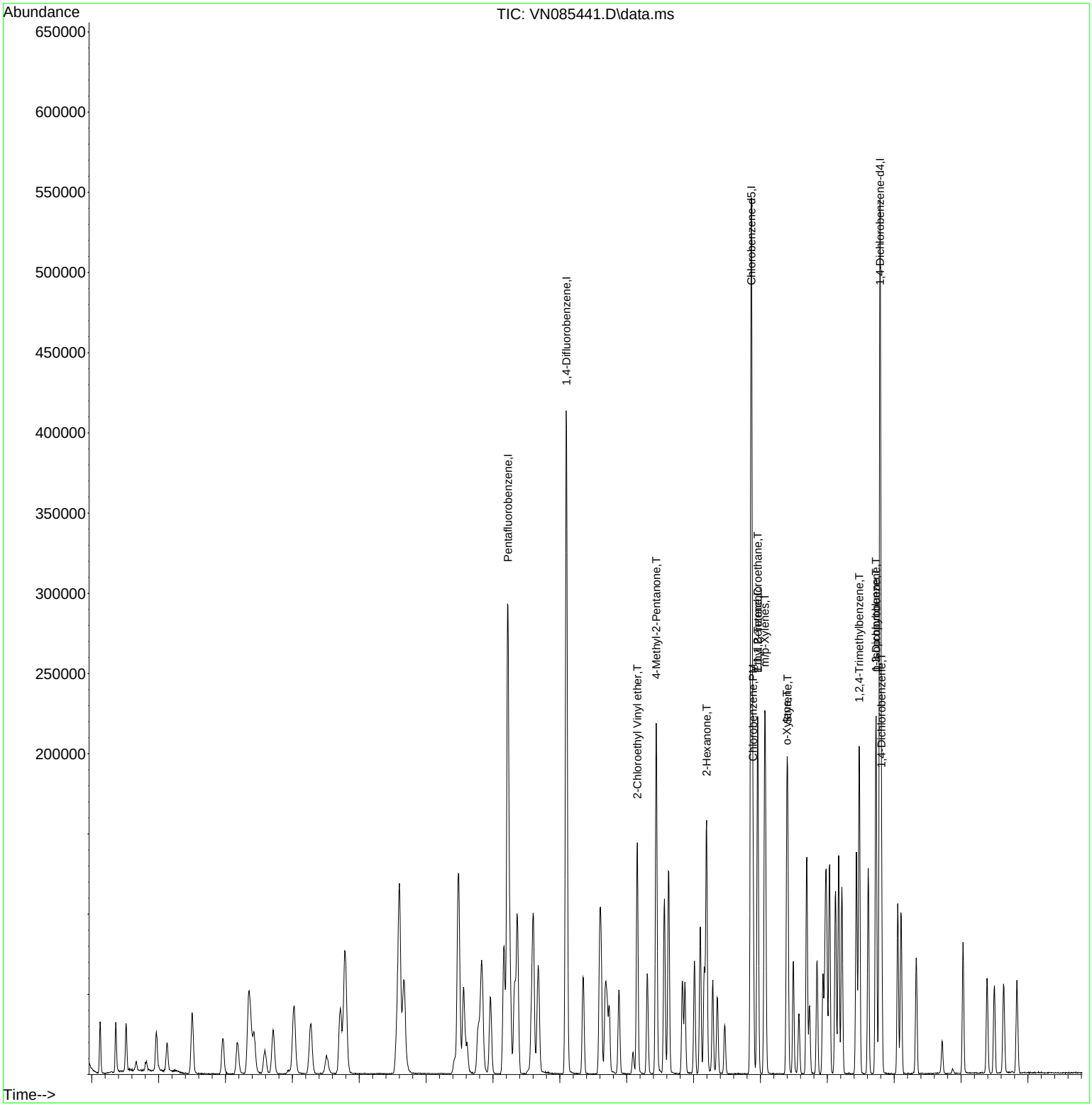
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	186556	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	324413	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	282203	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126086	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	17046	5.660	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	8.165	113	12102	5.377	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.760%#				
50) Toluene-d8	10.565	98	41328	5.168	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.340%#				
62) 4-Bromofluorobenzene	12.847	95	13520	4.943	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.880%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	13199	5.225	ug/l		97
3) Chloromethane	2.359	50	14526	5.311	ug/l		96
4) Vinyl Chloride	2.512	62	14564	5.298	ug/l		98
5) Bromomethane	2.953	94	9788	5.895	ug/l		98
6) Chloroethane	3.124	64	9430	5.411	ug/l		99
7) Trichlorofluoromethane	3.501	101	20098	5.039	ug/l		92
8) Diethyl Ether	3.959	74	6652	4.828	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	11917	5.305	ug/l		97
10) Methyl Iodide	4.583	142	12331	4.793	ug/l		99
11) Tert butyl alcohol	5.518	59	9075	26.318	ug/l	#	94
12) 1,1-Dichloroethene	4.342	96	10429	5.209	ug/l		96
13) Acrolein	4.171	56	9430	20.033	ug/l		97
14) Allyl chloride	5.030	41	16741	5.153	ug/l		97
15) Acrylonitrile	5.718	53	27869	25.445	ug/l		97
16) Acetone	4.430	43	25122	25.819	ug/l		97
17) Carbon Disulfide	4.706	76	32068	5.202	ug/l		96
18) Methyl Acetate	5.024	43	15106	5.106	ug/l		97
19) Methyl tert-butyl Ether	5.800	73	31439	4.836	ug/l		94
20) Methylene Chloride	5.271	84	12981	5.389	ug/l	#	83
21) trans-1,2-Dichloroethene	5.783	96	10614	4.960	ug/l	#	78
22) Diisopropyl ether	6.665	45	35785	4.962	ug/l	#	96
23) Vinyl Acetate	6.600	43	118439m	23.389	ug/l		
24) 1,1-Dichloroethane	6.565	63	22865	5.200	ug/l		99
25) 2-Butanone	7.483	43	36127	25.231	ug/l		99
26) 2,2-Dichloropropane	7.488	77	18398	5.175	ug/l		100
27) cis-1,2-Dichloroethene	7.488	96	12477	4.951	ug/l		99
28) Bromochloromethane	7.806	49	11096	5.424	ug/l		99
29) Tetrahydrofuran	7.841	42	21983	24.215	ug/l		99
30) Chloroform	7.959	83	23384	5.146	ug/l		98
31) Cyclohexane	8.247	56	22343	5.846	ug/l	#	92
32) 1,1,1-Trichloroethane	8.159	97	21416	5.372	ug/l		91
36) 1,1-Dichloropropene	8.371	75	15886	5.029	ug/l		96
37) Ethyl Acetate	7.553	43	16879m	5.294	ug/l		
38) Carbon Tetrachloride	8.359	117	18317	5.065	ug/l		96
39) Methylcyclohexane	9.600	83	14175	4.776	ug/l		98
40) Benzene	8.600	78	47833	5.040	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	7380	4.449 ug/l	96
42) 1,2-Dichloroethane	8.671	62	18628	5.211 ug/l	98
43) Isopropyl Acetate	8.688	43	24792	4.853 ug/l	98
44) Trichloroethene	9.347	130	11133	5.039 ug/l	86
45) 1,2-Dichloropropane	9.618	63	12591	5.194 ug/l	92
46) Dibromomethane	9.700	93	8230	4.705 ug/l	91
47) Bromodichloromethane	9.888	83	18456	5.179 ug/l #	96
48) Methyl methacrylate	9.677	41	10574	4.599 ug/l	95
49) 1,4-Dioxane	9.694	88	3619	93.477 ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	71889	24.250 ug/l	98
52) Toluene	10.629	92	27098	4.928 ug/l	98
53) t-1,3-Dichloropropene	10.829	75	17099	5.077 ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	17440	4.848 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	11311	5.197 ug/l	96
56) Ethyl methacrylate	10.871	69	14094	5.627 ug/l	94
57) 1,3-Dichloropropane	11.159	76	18945	5.006 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	33210	24.047 ug/l	97
59) 2-Hexanone	11.194	43	49021	23.501 ug/l	94
60) Dibromochloromethane	11.353	129	13635	5.190 ug/l	96
61) 1,2-Dibromoethane	11.471	107	10419	4.810 ug/l	98
64) Tetrachloroethene	11.100	164	9756	5.071 ug/l	91
65) Chlorobenzene	11.888	112	31312	5.065 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	11620	5.121 ug/l	98
67) Ethyl Benzene	11.965	91	48216	4.789 ug/l	98
68) m/p-Xylenes	12.065	106	34771	9.344 ug/l	99
69) o-Xylene	12.394	106	16419	4.617 ug/l	98
70) Styrene	12.412	104	26218	4.454 ug/l	99
71) Bromoform	12.576	173	8017	4.938 ug/l #	99
73) Isopropylbenzene	12.694	105	39811	4.678 ug/l	99
74) N-amyl acetate	12.488	43	17577	4.595 ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	15483	5.151 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	12173m	4.758 ug/l	
77) Bromobenzene	12.982	156	11091	4.989 ug/l	99
78) n-propylbenzene	13.035	91	45450	4.512 ug/l	99
79) 2-Chlorotoluene	13.123	91	31932	4.898 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	31891	4.537 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	4229	4.465 ug/l	90
82) 4-Chlorotoluene	13.218	91	31976	4.926 ug/l	100
83) tert-Butylbenzene	13.435	119	27597	4.675 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	32054	4.575 ug/l	98
85) sec-Butylbenzene	13.612	105	38148	4.663 ug/l	98
86) p-Isopropyltoluene	13.723	119	29856	4.584 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	20876	5.099 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	21982	5.179 ug/l	97
89) n-Butylbenzene	14.053	91	27437	4.675 ug/l	96
90) Hexachloroethane	14.329	117	7767	4.987 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	20177	4.940 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2872	5.232 ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	9037	4.761 ug/l	94
94) Hexachlorobutadiene	15.500	225	5563	5.520 ug/l	98
95) Naphthalene	15.641	128	25047	4.422 ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	8737	4.549 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

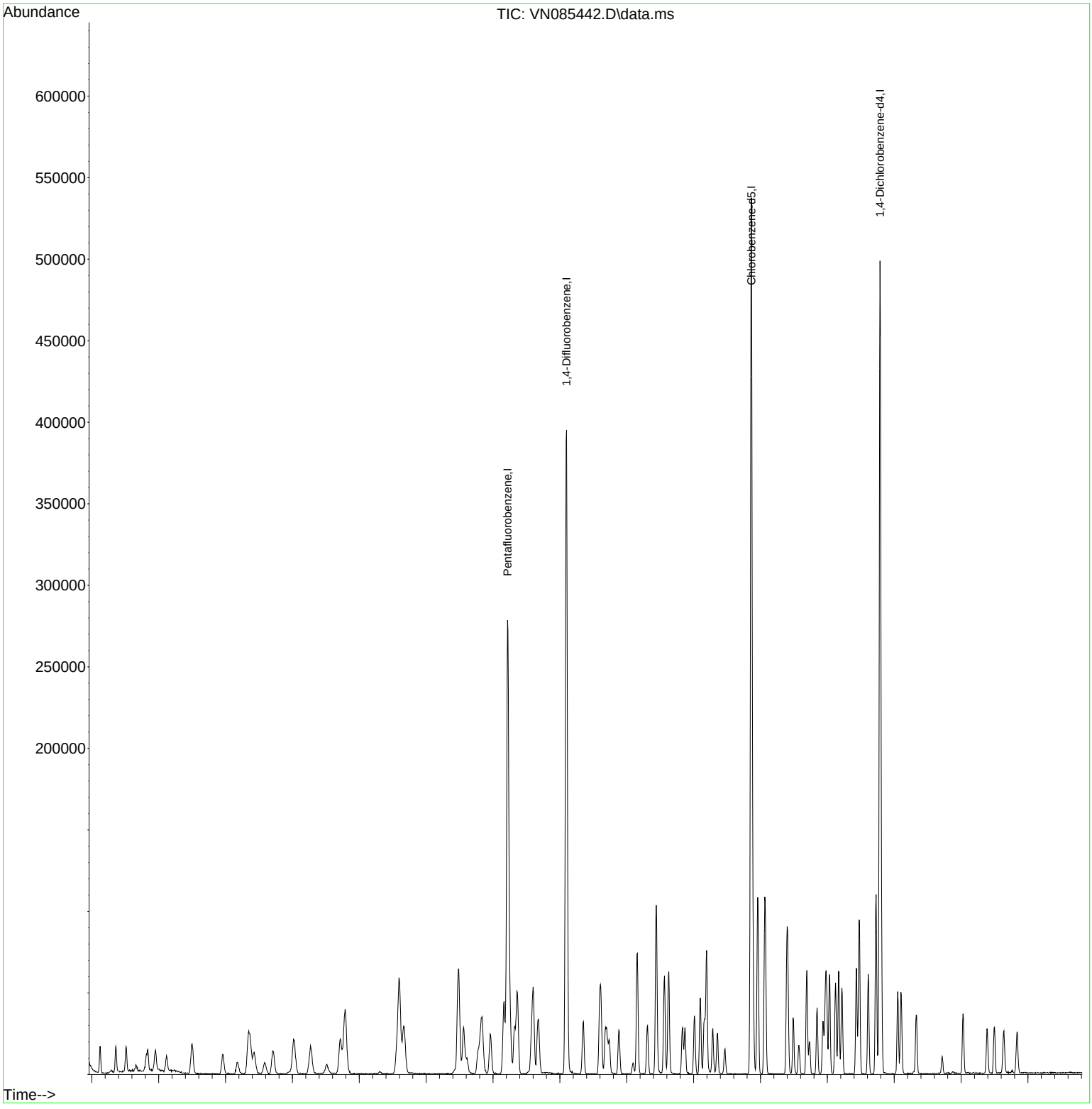
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	166880	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	302938	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	256851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99539	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	2.124	85	2382	1.054	ug/l		91
3) Chloromethane	2.359	50	2801	1.145	ug/l		93
4) Vinyl Chloride	2.512	62	2732	1.111	ug/l	#	81
6) Chloroethane	3.124	64	1809	1.160	ug/l		94
7) Trichlorofluoromethane	3.512	101	3860	1.082	ug/l		88
8) Diethyl Ether	3.953	74	1526	1.238	ug/l		81
9) 1,1,2-Trichlorotrifluo...	4.359	101	2156m	1.073	ug/l		
12) 1,1-Dichloroethene	4.330	96	1660	0.927	ug/l	#	67
14) Allyl chloride	5.024	41	3179	1.094	ug/l	#	85
15) Acrylonitrile	5.718	53	4967	5.070	ug/l	#	70
16) Acetone	4.436	43	5102	5.862	ug/l		92
17) Carbon Disulfide	4.706	76	6601	1.197	ug/l	#	87
18) Methyl Acetate	5.030	43	2908	1.099	ug/l	#	80
19) Methyl tert-butyl Ether	5.789	73	5156	0.887	ug/l	#	87
20) Methylene Chloride	5.265	84	2190	1.016	ug/l	#	87
21) trans-1,2-Dichloroethene	5.794	96	2110	1.102	ug/l	#	66
22) Diisopropyl ether	6.677	45	5691	0.882	ug/l	#	88
23) Vinyl Acetate	6.606	43	18526m	4.090	ug/l		
24) 1,1-Dichloroethane	6.583	63	4020m	1.022	ug/l		
25) 2-Butanone	7.483	43	6448m	5.034	ug/l		
26) 2,2-Dichloropropane	7.488	77	3104	0.976	ug/l		92
27) cis-1,2-Dichloroethene	7.477	96	2185	0.969	ug/l		92
28) Bromochloromethane	7.812	49	2082	1.138	ug/l	#	89
29) Tetrahydrofuran	7.835	42	3693	4.548	ug/l		98
30) Chloroform	7.965	83	4250	1.045	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	3678	1.031	ug/l	#	56
36) 1,1-Dichloropropene	8.371	75	3084	1.046	ug/l	#	84
37) Ethyl Acetate	7.577	43	3056m	1.026	ug/l		
38) Carbon Tetrachloride	8.359	117	3436	1.018	ug/l		90
39) Methylcyclohexane	9.600	83	2403	0.867	ug/l	#	87
40) Benzene	8.606	78	8480	0.957	ug/l		91
41) Methacrylonitrile	7.771	41	1458	0.941	ug/l	#	76
42) 1,2-Dichloroethane	8.665	62	3131	0.938	ug/l		91
43) Isopropyl Acetate	8.682	43	4803	1.007	ug/l	#	87
44) Trichloroethene	9.347	130	2133	1.034	ug/l		71
45) 1,2-Dichloropropane	9.618	63	2246	0.992	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
46) Dibromomethane	9.706	93	1769	1.083 ug/l		92
47) Bromodichloromethane	9.882	83	2935	0.882 ug/l		90
48) Methyl methacrylate	9.677	41	1886	0.878 ug/l		96
49) 1,4-Dioxane	9.688	88	673	18.616 ug/l	#	47
51) 4-Methyl-2-Pentanone	10.441	43	11523	4.163 ug/l		93
52) Toluene	10.618	92	4180	0.814 ug/l		93
53) t-1,3-Dichloropropene	10.835	75	2522	0.802 ug/l		92
54) cis-1,3-Dichloropropene	10.312	75	2725	0.811 ug/l	#	83
55) 1,1,2-Trichloroethane	11.018	97	1901	0.935 ug/l		91
56) Ethyl methacrylate	10.871	69	1923	2.471 ug/l	#	88
57) 1,3-Dichloropropane	11.165	76	3113	0.881 ug/l		95
58) 2-Chloroethyl Vinyl ether	10.153	63	4929	3.822 ug/l		91
59) 2-Hexanone	11.194	43	7905	4.058 ug/l		87
60) Dibromochloromethane	11.359	129	2339	0.953 ug/l		98
61) 1,2-Dibromoethane	11.465	107	2022	1.000 ug/l		90
64) Tetrachloroethene	11.106	164	1658	0.947 ug/l	#	83
65) Chlorobenzene	11.888	112	5401	0.960 ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2185	1.058 ug/l	#	64
67) Ethyl Benzene	11.959	91	7347	0.802 ug/l		94
68) m/p-Xylenes	12.070	106	5059	1.494 ug/l		100
69) o-Xylene	12.394	106	2478	0.766 ug/l		97
70) Styrene	12.406	104	3812	0.712 ug/l		99
71) Bromoform	12.582	173	1208	0.818 ug/l	#	88
73) Isopropylbenzene	12.688	105	5506	0.820 ug/l		98
74) N-amyl acetate	12.494	43	2716	0.899 ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	2616	1.102 ug/l	#	96
76) 1,2,3-Trichloropropane	12.982	75	2198m	1.088 ug/l		
77) Bromobenzene	12.976	156	1733	0.987 ug/l		97
78) n-propylbenzene	13.029	91	6424	0.808 ug/l		93
79) 2-Chlorotoluene	13.117	91	4483	0.871 ug/l		97
80) 1,3,5-Trimethylbenzene	13.165	105	4301	0.775 ug/l		90
82) 4-Chlorotoluene	13.223	91	4268	0.833 ug/l		99
83) tert-Butylbenzene	13.435	119	3753	0.805 ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	3758	0.679 ug/l		93
85) sec-Butylbenzene	13.612	105	4614	0.714 ug/l		99
86) p-Isopropyltoluene	13.723	119	3538	0.716 ug/l		98
87) 1,3-Dichlorobenzene	13.723	146	3038	0.940 ug/l		95
88) 1,4-Dichlorobenzene	13.806	146	3517m	1.050 ug/l		
89) n-Butylbenzene	14.053	91	3527	0.761 ug/l		93
90) Hexachloroethane	14.341	117	1355	1.102 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	3515	1.090 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	402	0.928 ug/l		74
93) 1,2,4-Trichlorobenzene	15.394	180	1310	0.874 ug/l	#	80
94) Hexachlorobutadiene	15.500	225	822	1.033 ug/l		89
95) Naphthalene	15.641	128	4210	0.941 ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.835	180	1494	0.985 ug/l	#	86

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

ICAL Form

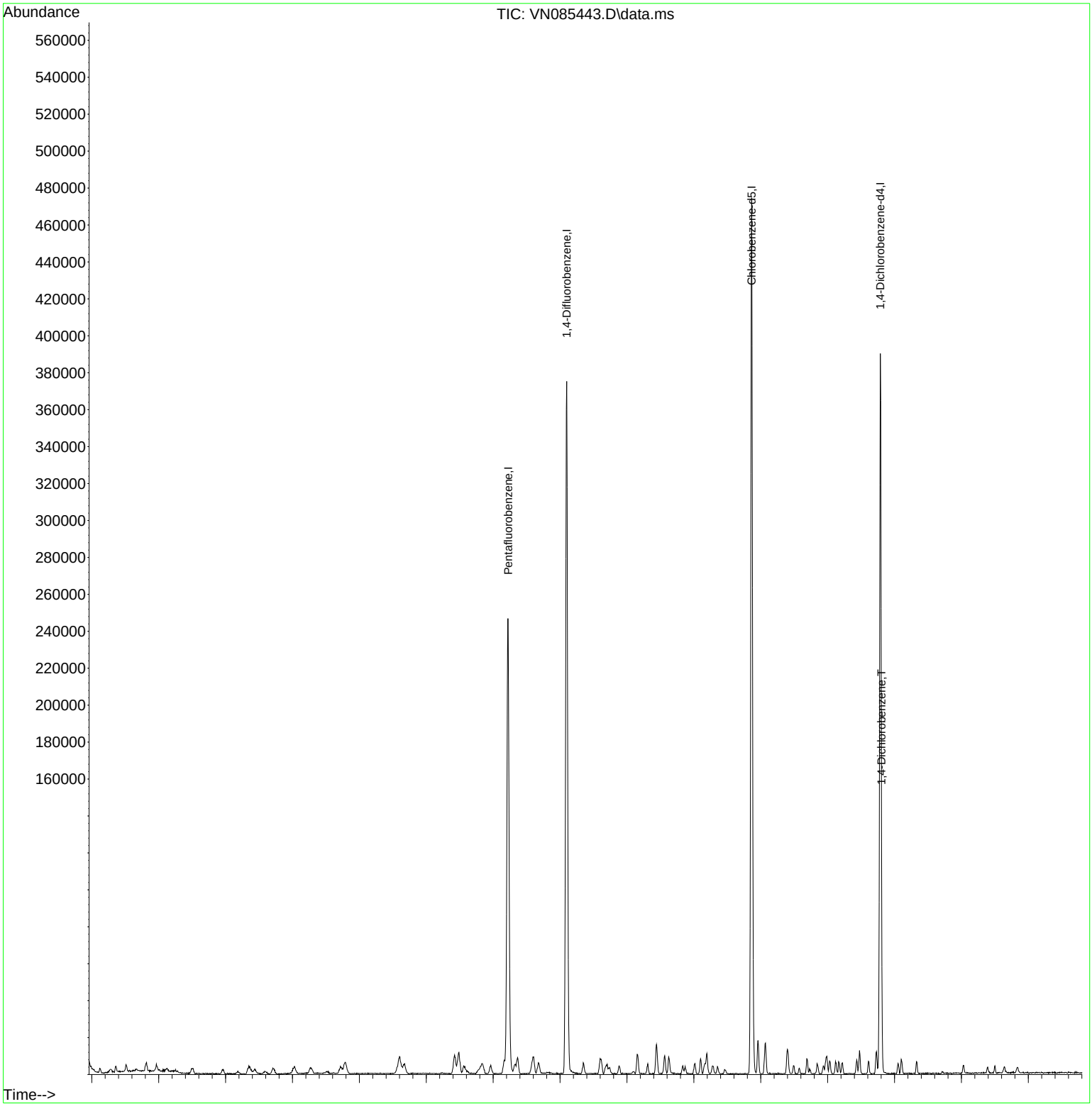
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	370487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	176594	49.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.560%			
35) Dibromofluoromethane	8.165	113	130487	50.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.565	98	477630	52.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.847	95	165249	52.899	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	130242	43.772	ug/l	100
3) Chloromethane	2.360	50	138152	42.883	ug/l	99
4) Vinyl Chloride	2.513	62	138316	42.715	ug/l	99
5) Bromomethane	2.954	94	80019	40.910	ug/l	91
6) Chloroethane	3.124	64	86837	42.299	ug/l	99
7) Trichlorofluoromethane	3.501	101	206526	43.956	ug/l	99
8) Diethyl Ether	3.959	74	69545	42.846	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	118310	44.706	ug/l	98
10) Methyl Iodide	4.595	142	140190	46.259	ug/l	98
11) Tert butyl alcohol	5.518	59	83933	206.633	ug/l	99
12) 1,1-Dichloroethene	4.342	96	106880	45.317	ug/l	98
13) Acrolein	4.177	56	135720	244.765	ug/l	99
14) Allyl chloride	5.024	41	170308	44.501	ug/l	99
15) Acrylonitrile	5.712	53	294062	227.920	ug/l	99
16) Acetone	4.418	43	245248	213.971	ug/l	98
17) Carbon Disulfide	4.712	76	300215	41.342	ug/l	100
18) Methyl Acetate	5.018	43	156938	45.028	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	365819	47.768	ug/l	100
20) Methylene Chloride	5.271	84	122059	43.017	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	112597	44.672	ug/l	93
22) Diisopropyl ether	6.665	45	399206	46.996	ug/l	99
23) Vinyl Acetate	6.601	43	1471068	247.459	ug/l	100
24) 1,1-Dichloroethane	6.571	63	228489	44.114	ug/l	98
25) 2-Butanone	7.477	43	386125	228.924	ug/l	100
26) 2,2-Dichloropropane	7.489	77	199303	47.593	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	134920	45.446	ug/l	98
28) Bromochloromethane	7.812	49	106323	44.122	ug/l	100
29) Tetrahydrofuran	7.836	42	255650	239.065	ug/l	99
30) Chloroform	7.965	83	235923	44.071	ug/l	98
31) Cyclohexane	8.253	56	193034	42.878	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	208172	44.332	ug/l	99
36) 1,1-Dichloropropene	8.365	75	161834	44.863	ug/l	98
37) Ethyl Acetate	7.559	43	160656	44.123	ug/l	97
38) Carbon Tetrachloride	8.359	117	183592	44.456	ug/l	99
39) Methylcyclohexane	9.600	83	168431	49.687	ug/l	98
40) Benzene	8.600	78	494871	45.657	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	89326	47.155 ug/l		99
42) 1,2-Dichloroethane	8.665	62	185663	45.481 ug/l		100
43) Isopropyl Acetate	8.683	43	265107	45.440 ug/l		99
44) Trichloroethene	9.347	130	110058	43.622 ug/l		96
45) 1,2-Dichloropropane	9.618	63	123876	44.744 ug/l		97
46) Dibromomethane	9.700	93	88325	44.214 ug/l		98
47) Bromodichloromethane	9.889	83	185808	45.655 ug/l		99
48) Methyl methacrylate	9.677	41	131142	49.948 ug/l		97
49) 1,4-Dioxane	9.689	88	35051	792.760 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	832426	245.877 ug/l		99
52) Toluene	10.630	92	301911	48.073 ug/l		99
53) t-1,3-Dichloropropene	10.830	75	183680	47.757 ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	196307	47.783 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	114757	46.173 ug/l		97
56) Ethyl methacrylate	10.871	69	182170	43.762 ug/l		98
57) 1,3-Dichloropropane	11.159	76	202583	46.877 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	403949	256.116 ug/l		99
59) 2-Hexanone	11.194	43	598433	251.213 ug/l		100
60) Dibromochloromethane	11.353	129	137831	45.935 ug/l		99
61) 1,2-Dibromoethane	11.465	107	110926	44.837 ug/l		100
64) Tetrachloroethene	11.100	164	98211	44.886 ug/l		96
65) Chlorobenzene	11.888	112	322723	45.901 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	115379	44.712 ug/l		99
67) Ethyl Benzene	11.959	91	577059	50.391 ug/l		97
68) m/p-Xylenes	12.071	106	437367	103.341 ug/l		100
69) o-Xylene	12.394	106	210698	52.093 ug/l		99
70) Styrene	12.406	104	355459	53.103 ug/l		100
71) Bromoform	12.577	173	90693	49.119 ug/l	#	100
73) Isopropylbenzene	12.694	105	534428	49.951 ug/l		99
74) N-amyl acetate	12.488	43	234342	48.730 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	164882	43.627 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	134976m	41.891 ug/l		
77) Bromobenzene	12.977	156	128968	46.138 ug/l		97
78) n-propylbenzene	13.029	91	645977	51.001 ug/l		100
79) 2-Chlorotoluene	13.124	91	392404	47.870 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	456048	51.604 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	58623m	49.226 ug/l		
82) 4-Chlorotoluene	13.218	91	398110	48.776 ug/l		100
83) tert-Butylbenzene	13.435	119	378478	50.997 ug/l		98
84) 1,2,4-Trimethylbenzene	13.477	105	457340	51.922 ug/l		100
85) sec-Butylbenzene	13.612	105	532578	51.777 ug/l		100
86) p-Isopropyltoluene	13.729	119	440284	47.795 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	236387	45.920 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	235319	44.102 ug/l		99
89) n-Butylbenzene	14.053	91	373227	50.578 ug/l		99
90) Hexachloroethane	14.329	117	88538	45.215 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	231646	45.113 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31899	46.221 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	109157	45.739 ug/l		98
94) Hexachlorobutadiene	15.500	225	53358	42.112 ug/l		99
95) Naphthalene	15.641	128	335535	47.116 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	107583	44.551 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

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

ICAL Form

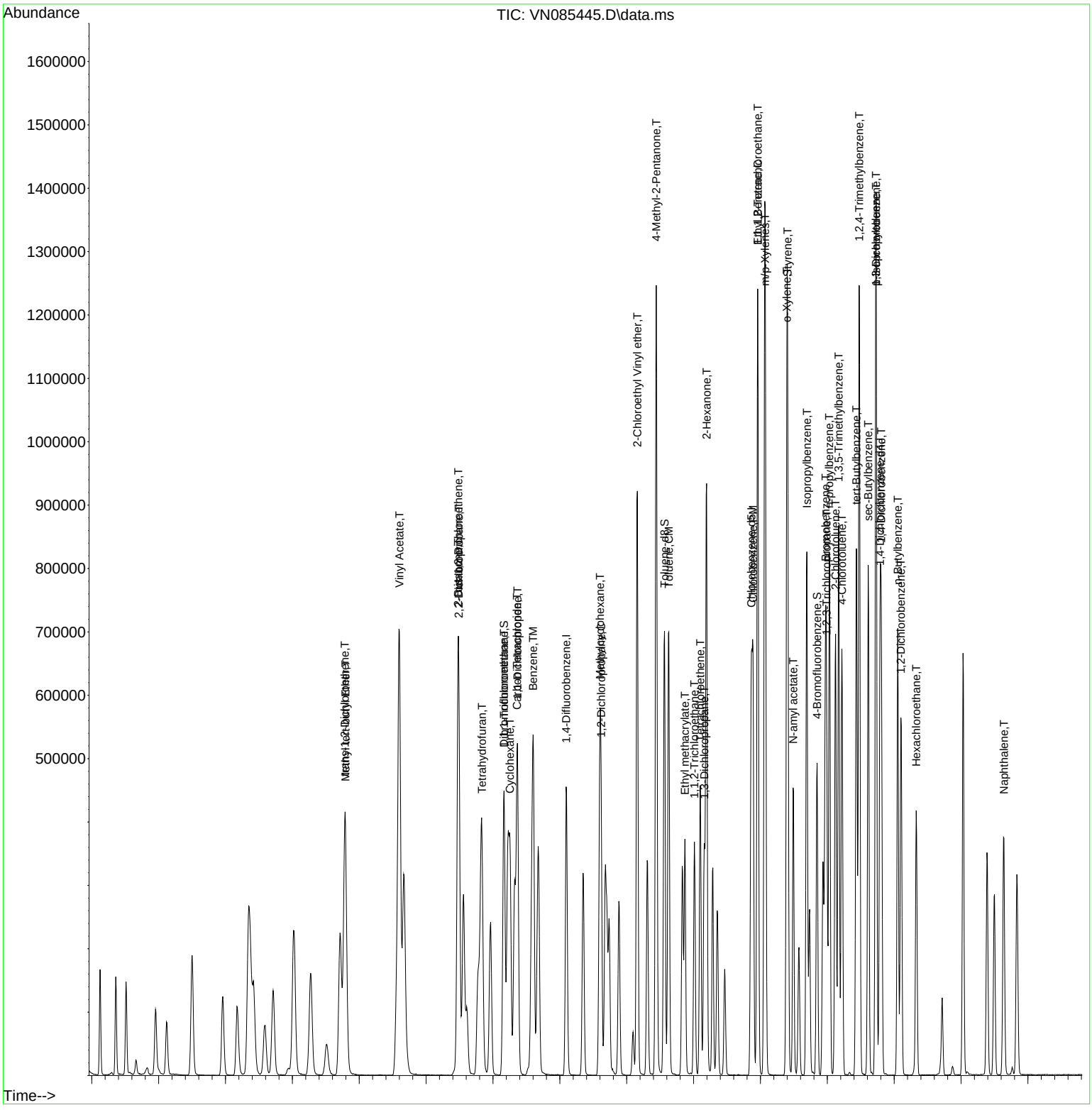
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	0.677	0.593	12.4	104	0.00
3	P	Chloromethane	0.733	0.629	14.2	102	0.00
4	C	Vinyl Chloride	0.737	0.629	14.7#	101	0.00
5	T	Bromomethane	0.445	0.364	18.2	96	0.00
6	T	Chloroethane	0.467	0.395	15.4	103	0.00
7	T	Trichlorofluoromethane	1.069	0.940	12.1	104	0.00
8	T	Diethyl Ether	0.369	0.316	14.4	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.538	10.6	109	0.00
10	T	Methyl Iodide	0.690	0.638	7.5	98	0.00
11	T	Tert butyl alcohol	0.092	0.076	17.4	90	0.00
12	CM	1,1-Dichloroethene	0.537	0.486	9.5#	101	0.00
13	T	Acrolein	0.126	0.124	1.6	97	0.00
14	T	Allyl chloride	0.871	0.775	11.0	101	0.00
15	T	Acrylonitrile	0.294	0.268	8.8	99	0.00
16	T	Acetone	0.261	0.223	14.6	98	0.00
17	T	Carbon Disulfide	1.652	1.366	17.3	102	0.00
18	T	Methyl Acetate	0.793	0.714	10.0	100	0.00
19	T	Methyl tert-butyl Ether	1.742	1.665	4.4	98	0.00
20	T	Methylene Chloride	0.646	0.555	14.1	97	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.512	10.6	102	0.00
22	T	Diisopropyl ether	1.933	1.817	6.0	98	0.00
23	T	Vinyl Acetate	1.353	1.339	1.0	99	0.00
24	P	1,1-Dichloroethane	1.178	1.040	11.7	98	0.00
25	T	2-Butanone	0.384	0.351	8.6	99	0.00
26	T	2,2-Dichloropropane	0.953	0.907	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.614	9.0	99	0.00
28	T	Bromochloromethane	0.548	0.484	11.7	98	0.00
29	T	Tetrahydrofuran	0.243	0.233	4.1	98	0.00
30	C	Chloroform	1.218	1.074	11.8#	101	0.00
31	T	Cyclohexane	1.024	0.878	14.3	110	0.00
32	T	1,1,1-Trichloroethane	1.068	0.947	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.804	0.4	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.347	0.352	-1.4	107	0.00
36	T	1,1-Dichloropropene	0.487	0.437	10.3	103	0.00
37	T	Ethyl Acetate	0.491	0.434	11.6	97	0.00
38	T	Carbon Tetrachloride	0.557	0.496	11.0	102	0.00
39	T	Methylcyclohexane	0.457	0.455	0.4	107	0.00
40	TM	Benzene	1.463	1.336	8.7	100	0.00
41	T	Methacrylonitrile	0.256	0.241	5.9	97	0.00
42	TM	1,2-Dichloroethane	0.551	0.501	9.1	100	0.00
43	T	Isopropyl Acetate	0.787	0.716	9.0	96	0.00
44	TM	Trichloroethene	0.341	0.297	12.9	100	0.00
45	C	1,2-Dichloropropane	0.374	0.334	10.7#	98	0.00
46	T	Dibromomethane	0.270	0.238	11.9	97	0.00
47	T	Bromodichloromethane	0.549	0.502	8.6	98	0.00
48	T	Methyl methacrylate	0.354	0.354	0.0	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	81	0.00
50	S	Toluene-d8	1.232	1.289	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.449	1.8	99	0.00
52	CM	Toluene	0.848	0.815	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	0.519	0.496	4.4	98	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.530	4.3	98	0.00
55	T	1,1,2-Trichloroethane	0.335	0.310	7.5	99	0.00
56	T	Ethyl methacrylate	0.469	0.492	-4.9	99	0.00
57	T	1,3-Dichloropropane	0.583	0.547	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.218	-2.3	99	0.00
59	T	2-Hexanone	0.321	0.323	-0.6	99	0.00
60	T	Dibromochloromethane	0.405	0.372	8.1	98	0.00
61	T	1,2-Dibromoethane	0.334	0.299	10.5	98	0.00
62	S	4-Bromofluorobenzene	0.422	0.446	-5.7	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
64	T	Tetrachloroethene	0.341	0.306	10.3	102	0.00
65	PM	Chlorobenzene	1.095	1.006	8.1	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.359	10.7	99	0.00
67	C	Ethyl Benzene	1.784	1.798	-0.8#	104	0.00
68	T	m/p-Xylenes	0.659	0.681	-3.3	104	0.00
69	T	o-Xylene	0.630	0.656	-4.1	104	0.00
70	T	Styrene	1.043	1.108	-6.2	102	0.00
71	P	Bromoform	0.288	0.283	1.7	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.375	3.371	0.1	106	0.00
74	T	N-amyl acetate	1.517	1.478	2.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.040	12.8	98	0.00
76	T	1,2,3-Trichloropropane	1.016	0.851	16.2	103	0.00
77	T	Bromobenzene	0.882	0.814	7.7	103	0.00
78	T	n-propylbenzene	3.995	4.075	-2.0	106	0.00
79	T	2-Chlorotoluene	2.586	2.475	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	2.787	2.877	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.370	1.6	103	0.00
82	T	4-Chlorotoluene	2.574	2.511	2.4	105	0.00
83	T	tert-Butylbenzene	2.341	2.387	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	2.778	2.885	-3.9	103	0.00
85	T	sec-Butylbenzene	3.244	3.360	-3.6	106	0.00
86	T	p-Isopropyltoluene	2.631	2.777	-5.5	105	0.00
87	T	1,3-Dichlorobenzene	1.624	1.491	8.2	103	0.00
88	T	1,4-Dichlorobenzene	1.683	1.484	11.8	103	0.00
89	T	n-Butylbenzene	2.327	2.354	-1.2	103	0.00
90	T	Hexachloroethane	0.618	0.559	9.5	105	0.00
91	T	1,2-Dichlorobenzene	1.620	1.461	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.201	7.8	98	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.689	8.5	95	0.00
94	T	Hexachlorobutadiene	0.400	0.337	15.8	99	0.00
95	T	Naphthalene	2.246	2.117	5.7	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.679	10.9	93	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_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2	T	Dichlorodifluoromethane	50.000	43.772	12.5	104	0.00
3	P	Chloromethane	50.000	42.883	14.2	102	0.00
4	C	Vinyl Chloride	50.000	42.715	14.6#	101	0.00
5	T	Bromomethane	50.000	40.910	18.2	96	0.00
6	T	Chloroethane	50.000	42.299	15.4	103	0.00
7	T	Trichlorofluoromethane	50.000	43.956	12.1	104	0.00
8	T	Diethyl Ether	50.000	42.846	14.3	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.706	10.6	109	0.00
10	T	Methyl Iodide	50.000	46.259	7.5	98	0.00
11	T	Tert butyl alcohol	250.000	206.633	17.3	90	0.00
12	CM	1,1-Dichloroethene	50.000	45.317	9.4#	101	0.00
13	T	Acrolein	250.000	244.765	2.1	97	0.00
14	T	Allyl chloride	50.000	44.501	11.0	101	0.00
15	T	Acrylonitrile	250.000	227.920	8.8	99	0.00
16	T	Acetone	250.000	213.971	14.4	98	0.00
17	T	Carbon Disulfide	50.000	41.342	17.3	102	0.00
18	T	Methyl Acetate	50.000	45.028	9.9	100	0.00
19	T	Methyl tert-butyl Ether	50.000	47.768	4.5	98	0.00
20	T	Methylene Chloride	50.000	43.017	14.0	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.672	10.7	102	0.00
22	T	Diisopropyl ether	50.000	46.996	6.0	98	0.00
23	T	Vinyl Acetate	250.000	247.459	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	44.114	11.8	98	0.00
25	T	2-Butanone	250.000	228.924	8.4	99	0.00
26	T	2,2-Dichloropropane	50.000	47.593	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.446	9.1	99	0.00
28	T	Bromochloromethane	50.000	44.122	11.8	98	0.00
29	T	Tetrahydrofuran	250.000	239.065	4.4	98	0.00
30	C	Chloroform	50.000	44.071	11.9#	101	0.00
31	T	Cyclohexane	50.000	42.878	14.2	110	0.00
32	T	1,1,1-Trichloroethane	50.000	44.332	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.782	0.4	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	50.768	-1.5	107	0.00
36	T	1,1-Dichloropropene	50.000	44.863	10.3	103	0.00
37	T	Ethyl Acetate	50.000	44.123	11.8	97	0.00
38	T	Carbon Tetrachloride	50.000	44.456	11.1	102	0.00
39	T	Methylcyclohexane	50.000	49.687	0.6	107	0.00
40	TM	Benzene	50.000	45.657	8.7	100	0.00
41	T	Methacrylonitrile	50.000	47.155	5.7	97	0.00
42	TM	1,2-Dichloroethane	50.000	45.481	9.0	100	0.00
43	T	Isopropyl Acetate	50.000	45.440	9.1	96	0.00
44	TM	Trichloroethene	50.000	43.622	12.8	100	0.00
45	C	1,2-Dichloropropane	50.000	44.744	10.5#	98	0.00
46	T	Dibromomethane	50.000	44.214	11.6	97	0.00
47	T	Bromodichloromethane	50.000	45.655	8.7	98	0.00
48	T	Methyl methacrylate	50.000	49.948	0.1	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	792.760	20.7	81	0.00
50	S	Toluene-d8	50.000	52.302	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	245.877	1.6	99	0.00
52	CM	Toluene	50.000	48.073	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	47.757	4.5	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.783	4.4	98	0.00
55	T	1,1,2-Trichloroethane	50.000	46.173	7.7	99	0.00
56	T	Ethyl methacrylate	50.000	43.762	12.5	99	0.00
57	T	1,3-Dichloropropane	50.000	46.877	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	256.116	-2.4	99	0.00
59	T	2-Hexanone	250.000	251.213	-0.5	99	0.00
60	T	Dibromochloromethane	50.000	45.935	8.1	98	0.00
61	T	1,2-Dibromoethane	50.000	44.837	10.3	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.899	-5.8	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	108	0.00
64	T	Tetrachloroethene	50.000	44.886	10.2	102	0.00
65	PM	Chlorobenzene	50.000	45.901	8.2	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.712	10.6	99	0.00
67	C	Ethyl Benzene	50.000	50.391	-0.8#	104	0.00
68	T	m/p-Xylenes	100.000	103.341	-3.3	104	0.00
69	T	o-Xylene	50.000	52.093	-4.2	104	0.00
70	T	Styrene	50.000	53.103	-6.2	102	0.00
71	P	Bromoform	50.000	49.119	1.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	49.951	0.1	106	0.00
74	T	N-amyl acetate	50.000	48.730	2.5	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.627	12.7	98	0.00
76	T	1,2,3-Trichloropropane	50.000	41.891	16.2	103	0.00
77	T	Bromobenzene	50.000	46.138	7.7	103	0.00
78	T	n-propylbenzene	50.000	51.001	-2.0	106	0.00
79	T	2-Chlorotoluene	50.000	47.870	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.604	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.226	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	48.776	2.4	105	0.00
83	T	tert-Butylbenzene	50.000	50.997	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.922	-3.8	103	0.00
85	T	sec-Butylbenzene	50.000	51.777	-3.6	106	0.00
86	T	p-Isopropyltoluene	50.000	47.795	4.4	105	0.00
87	T	1,3-Dichlorobenzene	50.000	45.920	8.2	103	0.00
88	T	1,4-Dichlorobenzene	50.000	44.102	11.8	103	0.00
89	T	n-Butylbenzene	50.000	50.578	-1.2	103	0.00
90	T	Hexachloroethane	50.000	45.215	9.6	105	0.00
91	T	1,2-Dichlorobenzene	50.000	45.113	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.221	7.6	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.739	8.5	95	0.00
94	T	Hexachlorobutadiene	50.000	42.112	15.8	99	0.00
95	T	Naphthalene	50.000	47.116	5.8	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.551	10.9	93	0.00

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

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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_X Calibration Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:31 13:37

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

LAB FILE ID: RRF001 = VX044648.D RRF005 = VX044649.D RRF020 = VX044650.D
RRF050 = VX044651.D RRF100 = VX044652.D RRF150 = VX044653.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.596	0.606	0.641	0.679	0.751	0.763	0.673	10.7
Chloromethane	0.826	0.712	0.723	0.710	0.682	0.713	0.728	6.9
Vinyl Chloride	0.801	0.681	0.681	0.702	0.699	0.749	0.719	6.6
Ethyl Acetate	0.420	0.485	0.472	0.463	0.487	0.498	0.471	5.9
Bromomethane		0.170	0.166	0.171	0.169	0.183	0.172	3.7
Chloroethane	0.165	0.123	0.113	0.117	0.124	0.149	0.132	15.7
Trichlorofluoromethane	0.859	0.749	0.755	0.765	0.808	0.830	0.795	5.7
1,1,2-Trichlorotrifluoroethane	0.678	0.563	0.562	0.554	0.598	0.629	0.597	8.1
Tert butyl alcohol		0.211	0.165	0.151	0.152	0.162	0.168	14.7
1,1-Dichloroethene	0.638	0.546	0.572	0.566	0.571	0.618	0.585	6
Acrolein		0.113	0.066	0.068	0.068	0.080	0.079	25.3
Acrylonitrile	0.350	0.337	0.325	0.313	0.329	0.326	0.330	3.8
Acetone	0.369	0.277	0.274	0.267	0.309	0.295	0.299	12.7
Carbon Disulfide	1.690	1.556	1.571	1.544	1.552	1.673	1.598	4.1
Methyl tert-butyl Ether	2.328	2.120	2.091	2.032	1.998	2.155	2.121	5.5
Methyl Acetate	1.041	0.832	0.826	0.880	0.942	1.006	0.921	9.8
Methylene Chloride	0.828	0.699	0.682	0.650	0.633	0.679	0.695	10
trans-1,2-Dichloroethene	0.738	0.607	0.590	0.568	0.559	0.605	0.611	10.7
Vinyl Acetate	1.848	1.805	1.757	1.650	1.637	1.708	1.734	4.9
1,1-Dichloroethane	1.251	1.164	1.161	1.126	1.111	1.238	1.175	4.9
Cyclohexane		0.938	0.956	0.931	0.935	0.991	0.950	2.6
2-Butanone	0.451	0.444	0.444	0.426	0.449	0.450	0.444	2.1
Carbon Tetrachloride	0.585	0.503	0.468	0.460	0.465	0.502	0.497	9.4
2,2-Dichloropropane	1.362	1.129	1.094	1.054	1.048	1.146	1.139	10.2
cis-1,2-Dichloroethene	0.940	0.735	0.746	0.717	0.704	0.771	0.769	11.3
Bromochloromethane	0.638	0.554	0.521	0.531	0.527	0.523	0.549	8.2
Chloroform	1.261	1.226	1.185	1.142	1.095	1.206	1.186	5
1,1,1-Trichloroethane	1.393	1.036	1.037	0.997	0.991	1.087	1.090	14
Methylcyclohexane	0.662	0.555	0.556	0.551	0.583	0.614	0.587	7.5
1,1-Dichloropropene	0.545	0.420	0.422	0.408	0.415	0.444	0.442	11.7

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

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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_X Calibration Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:31 13:37

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

LAB FILE ID: RRF001 = VX044648.D RRF005 = VX044649.D RRF020 = VX044650.D
RRF050 = VX044651.D RRF100 = VX044652.D RRF150 = VX044653.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Benzene	1.517	1.376	1.364	1.306	1.274	1.384	1.370	6.1
1,2-Dichloroethane	0.552	0.494	0.491	0.477	0.473	0.513	0.500	5.8
Trichloroethene	0.338	0.319	0.324	0.316	0.324	0.355	0.329	4.5
1,2-Dichloropropane	0.367	0.359	0.335	0.329	0.326	0.354	0.345	5
Dibromomethane	0.300	0.271	0.249	0.246	0.243	0.266	0.263	8.2
Bromodichloromethane	0.634	0.530	0.518	0.508	0.499	0.542	0.538	9.1
4-Methyl-2-Pentanone	0.549	0.489	0.481	0.449	0.445	0.458	0.479	8.1
Toluene	0.941	0.864	0.849	0.805	0.769	0.804	0.839	7.3
t-1,3-Dichloropropene	0.578	0.551	0.564	0.546	0.537	0.563	0.556	2.7
cis-1,3-Dichloropropene	0.684	0.589	0.603	0.574	0.567	0.603	0.603	7
1,1,2-Trichloroethane	0.401	0.342	0.341	0.319	0.312	0.321	0.339	9.6
1,3-Dichloropropane	0.652	0.594	0.581	0.555	0.527	0.557	0.578	7.5
2-Chloroethyl Vinyl ether	0.377	0.281	0.252	0.273	0.265	0.271	0.286	15.9
2-Hexanone	0.397	0.358	0.357	0.330	0.331	0.341	0.352	7.2
Dibromochloromethane	0.449	0.407	0.399	0.381	0.369	0.386	0.398	7.1
1,2-Dibromoethane	0.411	0.361	0.356	0.337	0.328	0.341	0.356	8.4
Tetrachloroethene	0.346	0.309	0.299	0.296	0.308	0.326	0.314	5.9
Chlorobenzene	1.178	1.085	1.036	1.008	0.998	1.067	1.062	6.2
1,1,1,2-Tetrachloroethane	0.420	0.398	0.376	0.367	0.361	0.394	0.386	5.7
Hexachloroethane	0.957	0.755	0.704	0.690	0.678	0.736	0.753	13.8
Ethyl Benzene	2.026	1.839	1.827	1.779	1.777	1.871	1.853	5
m/p-Xylenes	0.771	0.697	0.686	0.656	0.646	0.669	0.688	6.5
o-Xylene	0.787	0.713	0.690	0.665	0.644	0.674	0.695	7.3
Styrene	1.172	1.146	1.133	1.089	1.069	1.128	1.123	3.4
Bromoform	0.333	0.315	0.302	0.302	0.304	0.331	0.314	4.6
Isopropylbenzene	4.514	4.259	4.043	3.917	3.790	3.985	4.085	6.4
1,1,2,2-Tetrachloroethane	1.618	1.510	1.398	1.302	1.267	1.370	1.411	9.4
1,2,3-Trichloropropane	1.321	1.369	1.173	1.102	1.140	1.176	1.213	8.8
Bromobenzene	1.085	0.985	0.928	0.903	0.876	0.952	0.955	7.8
n-propylbenzene	4.902	4.366	4.481	4.392	4.346	4.541	4.505	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,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_X Calibration Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:31 13:37

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

LAB FILE ID: RRF001 = VX044648.D RRF005 = VX044649.D RRF020 = VX044650.D
RRF050 = VX044651.D RRF100 = VX044652.D RRF150 = VX044653.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Chlorotoluene	3.385	2.964	2.860	2.763	2.657	2.831	2.910	8.7
1,3,5-Trimethylbenzene	3.707	3.522	3.312	3.187	3.057	3.167	3.325	7.4
4-Chlorotoluene	3.509	3.220	3.183	3.075	2.978	3.161	3.188	5.6
tert-Butylbenzene	4.017	3.693	3.410	3.304	3.137	3.300	3.477	9.3
1,2,4-Trimethylbenzene	3.967	3.380	3.346	3.211	3.097	3.273	3.379	9
sec-Butylbenzene	4.515	4.037	3.977	3.895	3.855	4.009	4.048	5.9
p-Isopropyltoluene	3.663	3.337	3.277	3.222	3.161	3.303	3.327	5.3
1,3-Dichlorobenzene	1.733	1.641	1.619	1.613	1.608	1.720	1.656	3.4
1,4-Dichlorobenzene	1.911	1.664	1.606	1.577	1.579	1.705	1.674	7.6
n-Butylbenzene	2.992	2.713	2.770	2.806	2.878	2.986	2.857	4
1,2-Dichlorobenzene	1.919	1.756	1.665	1.626	1.548	1.687	1.700	7.5
1,2-Dibromo-3-Chloropropane	0.407	0.355	0.320	0.310	0.322	0.356	0.345	10.3
1,2,4-Trichlorobenzene	0.956	0.943	0.945	1.031	1.061	1.163	1.016	8.5
Hexachlorobutadiene	0.419	0.384	0.373	0.393	0.401	0.426	0.399	5.1
Naphthalene	4.049	3.759	3.797	3.814	3.860	4.244	3.920	4.8
1,2,3-Trichlorobenzene	1.058	0.993	1.006	1.055	1.055	1.156	1.054	5.4
1,2-Dichloroethane-d4		0.863	0.691	0.745	0.689	0.785	0.755	9.6
Dibromofluoromethane		0.355	0.289	0.318	0.293	0.333	0.318	8.8
Toluene-d8		1.270	1.051	1.111	1.001	1.104	1.108	9.1
4-Bromofluorobenzene		0.445	0.394	0.421	0.383	0.421	0.413	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.

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025
Response Via : Initial Calibration

Calibration Files
1 =VX044648.D 5 =VX044649.D 20 =VX044650.D 50 =VX044651.D 100 =VX044652.D 150 =VX044653.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------	ISTD	----------					
2)	T	Dichlorodifluo...	0.596	0.606	0.641	0.679	0.751	0.763	0.673	10.67
3)	P	Chloromethane	0.826	0.712	0.723	0.710	0.682	0.713	0.728	6.88
4)	C	Vinyl Chloride	0.801	0.681	0.681	0.702	0.699	0.749	0.719	6.61#
5)	T	Bromomethane		0.170	0.166	0.171	0.169	0.183	0.172	3.73
6)	T	Chloroethane	0.165	0.123	0.113	0.117	0.124	0.149	0.132	15.70
7)	T	Trichlorofluor...	0.859	0.749	0.755	0.765	0.808	0.830	0.795	5.66
8)	T	Diethyl Ether	0.394	0.320	0.304	0.292	0.292	0.321	0.321	11.92
9)	T	1,1,2-Trichlor...	0.678	0.563	0.562	0.554	0.598	0.629	0.597	8.15
10)	T	Methyl Iodide		0.818	0.832	0.808	0.798	0.822	0.815	1.59
11)	T	Tert butyl alc...		0.211	0.165	0.151	0.152	0.162	0.168	14.66
12)	CM	1,1-Dichloroet...	0.638	0.546	0.572	0.566	0.571	0.618	0.585	5.99#
13)	T	Acrolein		0.113	0.066	0.068	0.068	0.080	0.079	25.32
14)	T	Allyl chloride	1.432	1.117	1.078	1.049	1.051	1.112	1.140	12.83
15)	T	Acrylonitrile	0.350	0.337	0.325	0.313	0.329	0.326	0.330	3.83
16)	T	Acetone	0.369	0.277	0.274	0.267	0.309	0.295	0.299	12.72
17)	T	Carbon Disulfide	1.690	1.556	1.571	1.544	1.552	1.673	1.597	4.11
18)	T	Methyl Acetate	1.041	0.832	0.826	0.880	0.942	1.006	0.921	9.78
19)	T	Methyl tert-bu...	2.328	2.120	2.091	2.032	1.998	2.155	2.121	5.49
20)	T	Methylene Chlo...	0.828	0.699	0.682	0.650	0.633	0.679	0.695	9.95
21)	T	trans-1,2-Dich...	0.738	0.607	0.590	0.568	0.559	0.605	0.611	10.69
22)	T	Diisopropyl ether	2.109	2.041	1.991	1.901	1.854	1.993	1.981	4.67
23)	T	Vinyl Acetate	1.848	1.805	1.757	1.650	1.637	1.708	1.734	4.88
24)	P	1,1-Dichloroet...	1.251	1.164	1.161	1.126	1.111	1.238	1.175	4.89
25)	T	2-Butanone	0.451	0.444	0.444	0.426	0.449	0.450	0.444	2.09
26)	T	2,2-Dichloropr...	1.362	1.129	1.094	1.054	1.048	1.145	1.139	10.20
27)	T	cis-1,2-Dichlo...	0.940	0.735	0.746	0.717	0.704	0.771	0.769	11.33
28)	T	Bromochloromet...	0.638	0.554	0.521	0.531	0.527	0.523	0.549	8.21
29)	T	Tetrahydrofuran	0.319	0.284	0.280	0.268	0.280	0.287	0.286	6.09
30)	C	Chloroform	1.261	1.226	1.185	1.142	1.095	1.206	1.186	5.02#
31)	T	Cyclohexane		0.938	0.956	0.931	0.935	0.991	0.950	2.62
32)	T	1,1,1-Trichlor...	1.393	1.036	1.037	0.997	0.991	1.087	1.090	13.97
33)	S	1,2-Dichloroet...		0.863	0.691	0.745	0.689	0.785	0.755	9.62
34)	I	1,4-Difluorobenzene	----------	ISTD	----------					
35)	S	Dibromofluorom...		0.355	0.289	0.318	0.293	0.333	0.318	8.75
36)	T	1,1-Dichloropr...	0.545	0.420	0.422	0.408	0.415	0.444	0.442	11.69
37)	T	Ethyl Acetate	0.420	0.485	0.472	0.463	0.487	0.498	0.471	5.94
38)	T	Carbon Tetrach...	0.585	0.503	0.468	0.460	0.465	0.502	0.497	9.44
39)	T	Methylcyclohexane	0.662	0.555	0.556	0.551	0.583	0.614	0.587	7.49
40)	TM	Benzene	1.517	1.376	1.364	1.306	1.274	1.384	1.370	6.12
41)	T	Methacrylonitrile	0.310	0.277	0.257	0.254	0.273	0.274	0.274	7.24
42)	TM	1,2-Dichloroet...	0.552	0.494	0.491	0.477	0.473	0.513	0.500	5.79
43)	T	Isopropyl Acetate	0.981	0.845	0.850	0.815	0.831	0.875	0.866	6.88
44)	TM	Trichloroethene	0.338	0.319	0.324	0.316	0.324	0.355	0.329	4.46
45)	C	1,2-Dichloropr...	0.367	0.359	0.335	0.329	0.326	0.354	0.345	5.01#
46)	T	Dibromomethane	0.300	0.271	0.249	0.246	0.243	0.266	0.263	8.19
47)	T	Bromodichlorom...	0.634	0.530	0.518	0.508	0.499	0.542	0.538	9.13
48)	T	Methyl methacr...	0.389	0.390	0.408	0.399	0.403	0.423	0.402	3.21
49)	T	1,4-Dioxane	0.010	0.008	0.008	0.008	0.008	0.008	0.008	7.10
50)	S	Toluene-d8		1.270	1.051	1.111	1.001	1.104	1.108	9.12
51)	T	4-Methyl-2-Pen...	0.549	0.489	0.481	0.449	0.445	0.458	0.479	8.09
52)	CM	Toluene	0.941	0.864	0.849	0.805	0.769	0.804	0.839	7.25#
53)	T	t-1,3-Dichloro...	0.578	0.551	0.564	0.546	0.537	0.563	0.556	2.65
54)	T	cis-1,3-Dichlo...	0.684	0.589	0.603	0.574	0.567	0.603	0.603	7.02
55)	T	1,1,2-Trichlor...	0.401	0.342	0.341	0.319	0.312	0.321	0.339	9.61
56)	T	Ethyl methacry...	0.641	0.576	0.598	0.564	0.547	0.574	0.583	5.61

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X011525W.M

57)	T	1,3-Dichloropr...	0.652	0.594	0.581	0.555	0.527	0.557	0.578	7.46
58)	T	2-Chloroethyl ...	0.377	0.281	0.252	0.273	0.265	0.271	0.286	15.86
59)	T	2-Hexanone	0.397	0.358	0.357	0.330	0.331	0.341	0.352	7.18
60)	T	Dibromochlorom...	0.449	0.407	0.399	0.381	0.369	0.386	0.398	7.06
61)	T	1,2-Dibromoethane	0.411	0.361	0.356	0.337	0.328	0.341	0.356	8.36
62)	S	4-Bromofluorob...		0.445	0.394	0.421	0.383	0.421	0.413	5.96
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.346	0.309	0.299	0.296	0.308	0.326	0.314	5.92
65)	PM	Chlorobenzene	1.178	1.085	1.036	1.008	0.998	1.067	1.062	6.18
66)	T	1,1,1,2-Tetrac...	0.420	0.398	0.376	0.367	0.361	0.394	0.386	5.72
67)	C	Ethyl Benzene	2.026	1.839	1.827	1.779	1.777	1.871	1.853	4.96#
68)	T	m/p-Xylenes	0.771	0.697	0.686	0.656	0.646	0.669	0.688	6.55
69)	T	o-Xylene	0.787	0.713	0.690	0.665	0.644	0.674	0.695	7.27
70)	T	Styrene	1.172	1.146	1.133	1.089	1.069	1.128	1.123	3.37
71)	P	Bromoform	0.333	0.315	0.302	0.302	0.304	0.331	0.314	4.58
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.514	4.259	4.043	3.917	3.790	3.985	4.085	6.40
74)	T	N-amyl acetate	2.228	2.047	1.969	1.900	1.882	2.055	2.013	6.32
75)	P	1,1,2,2-Tetrac...	1.618	1.510	1.398	1.302	1.267	1.370	1.411	9.35
76)	T	1,2,3-Trichlor...	1.321	1.369	1.173	1.102	1.140	1.176	1.213	8.76
77)	T	Bromobenzene	1.085	0.985	0.928	0.903	0.876	0.952	0.955	7.79
78)	T	n-propylbenzene	4.902	4.366	4.481	4.392	4.346	4.541	4.505	4.63
79)	T	2-Chlorotoluene	3.385	2.964	2.860	2.763	2.657	2.831	2.910	8.73
80)	T	1,3,5-Trimethy...	3.707	3.522	3.312	3.187	3.057	3.167	3.325	7.38
81)	T	trans-1,4-Dich...		0.535	0.517	0.512	0.522	0.567	0.531	4.15
82)	T	4-Chlorotoluene	3.509	3.220	3.182	3.075	2.978	3.161	3.188	5.64
83)	T	tert-Butylbenzene	4.017	3.693	3.410	3.304	3.137	3.300	3.477	9.27
84)	T	1,2,4-Trimethy...	3.967	3.380	3.346	3.211	3.097	3.273	3.379	9.04
85)	T	sec-Butylbenzene	4.515	4.037	3.977	3.895	3.855	4.009	4.048	5.90
86)	T	p-Isopropyltol...	3.663	3.337	3.277	3.222	3.161	3.303	3.327	5.29
87)	T	1,3-Dichlorobe...	1.733	1.641	1.619	1.613	1.608	1.720	1.656	3.38
88)	T	1,4-Dichlorobe...	1.911	1.664	1.606	1.577	1.579	1.705	1.674	7.58
89)	T	n-Butylbenzene	2.992	2.713	2.770	2.806	2.878	2.986	2.857	4.02
90)	T	Hexachloroethane	0.957	0.755	0.704	0.690	0.678	0.736	0.753	13.77
91)	T	1,2-Dichlorobe...	1.919	1.756	1.665	1.626	1.548	1.687	1.700	7.48
92)	T	1,2-Dibromo-3-...	0.407	0.355	0.320	0.310	0.322	0.356	0.345	10.33
93)	T	1,2,4-Trichlor...	0.956	0.943	0.945	1.031	1.061	1.163	1.016	8.54
94)	T	Hexachlorobuta...	0.419	0.384	0.373	0.393	0.401	0.426	0.399	5.14
95)	T	Naphthalene	4.049	3.759	3.797	3.814	3.860	4.244	3.920	4.80
96)	T	1,2,3-Trichlor...	1.058	0.993	1.006	1.055	1.055	1.156	1.054	5.44

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:58:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.538	168	214233	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	389452	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	329917	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	135288	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	1.167	85	2555	0.886	ug/l		97
3) Chloromethane	1.295	50	3539	1.135	ug/l		96
4) Vinyl Chloride	1.374	62	3434	1.115	ug/l	#	64
6) Chloroethane	1.660	64	708	1.253	ug/l	#	83
7) Trichlorofluoromethane	1.862	101	3682	1.082	ug/l		89
8) Diethyl Ether	2.130	74	1689	1.229	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.313	101	2905	1.135	ug/l	#	88
12) 1,1-Dichloroethene	2.313	96	2735	1.090	ug/l		82
14) Allyl chloride	2.654	41	6137	1.257	ug/l		88
15) Acrylonitrile	3.069	53	7502	5.306	ug/l		95
16) Acetone	2.386	43	7914	6.186	ug/l		97
17) Carbon Disulfide	2.496	76	7240	1.058	ug/l		96
18) Methyl Acetate	2.703	43	4460	1.130	ug/l		97
19) Methyl tert-butyl Ether	3.111	73	9974	1.098	ug/l		96
20) Methylene Chloride	2.782	84	3548	1.191	ug/l		94
21) trans-1,2-Dichloroethene	3.087	96	3164	1.208	ug/l		94
22) Diisopropyl ether	3.758	45	9038	1.065	ug/l	#	76
23) Vinyl Acetate	3.721	43	39593	5.328	ug/l		98
24) 1,1-Dichloroethane	3.599	63	5359	1.064	ug/l		98
25) 2-Butanone	4.574	43	9672	5.085	ug/l		94
26) 2,2-Dichloropropane	4.459	77	5837	1.196	ug/l		95
27) cis-1,2-Dichloroethene	4.483	96	4029	1.223	ug/l		87
28) Bromochloromethane	4.891	49	2733	1.162	ug/l	#	95
29) Tetrahydrofuran	5.019	42	6842	5.576	ug/l		98
30) Chloroform	5.087	83	5401	1.063	ug/l		85
32) 1,1,1-Trichloroethane	5.379	97	5968	1.278	ug/l	#	47
36) 1,1-Dichloropropene	5.678	75	4243	1.232	ug/l	#	92
37) Ethyl Acetate	4.727	43	3269	0.891	ug/l	#	88
38) Carbon Tetrachloride	5.666	117	4558	1.177	ug/l		85
39) Methylcyclohexane	7.367	83	5156	1.128	ug/l		98
40) Benzene	6.025	78	11813	1.107	ug/l		97
41) Methacrylonitrile	4.928	41	2415m	1.146	ug/l		
42) 1,2-Dichloroethane	6.092	62	4299	1.104	ug/l		91
43) Isopropyl Acetate	6.355	43	7640	1.132	ug/l		96
44) Trichloroethene	7.123	130	2633	1.026	ug/l		91
45) 1,2-Dichloropropane	7.434	63	2857	1.064	ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 00:58:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.580	93	2337	1.143	ug/l		94
47) Bromodichloromethane	7.818	83	4937	1.177	ug/l		89
48) Methyl methacrylate	7.702	41	3029	0.967	ug/l		91
49) 1,4-Dioxane	7.696	88	1485	22.727	ug/l	#	87
51) 4-Methyl-2-Pentanone	8.580	43	21388	5.736	ug/l		100
52) Toluene	8.714	92	7332	1.122	ug/l		93
53) t-1,3-Dichloropropene	8.982	75	4499	1.038	ug/l		99
54) cis-1,3-Dichloropropene	8.373	75	5328	1.134	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	3124	1.182	ug/l		91
56) Ethyl methacrylate	9.122	69	4994	1.099	ug/l		89
57) 1,3-Dichloropropane	9.311	76	5078	1.128	ug/l		92
58) 2-Chloroethyl Vinyl ether	8.245	63	14681	6.581	ug/l		98
59) 2-Hexanone	9.439	43	15480	5.643	ug/l		98
60) Dibromochloromethane	9.519	129	3495	1.127	ug/l		100
61) 1,2-Dibromoethane	9.610	107	3200	1.155	ug/l		96
64) Tetrachloroethene	9.269	164	2280	1.101	ug/l		87
65) Chlorobenzene	10.073	112	7770	1.109	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	2769	1.087	ug/l	#	62
67) Ethyl Benzene	10.195	91	13366	1.093	ug/l		93
68) m/p-Xylenes	10.299	106	10180	2.244	ug/l		100
69) o-Xylene	10.640	106	5193	1.132	ug/l		97
70) Styrene	10.659	104	7732	1.044	ug/l		93
71) Bromoform	10.799	173	2194	1.058	ug/l	#	93
73) Isopropylbenzene	10.964	105	12214	1.105	ug/l		97
74) N-amyl acetate	10.848	43	6028	1.107	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.214	83	4377	1.147	ug/l		91
76) 1,2,3-Trichloropropane	11.244	75	3574m	1.119	ug/l		
77) Bromobenzene	11.201	156	2937	1.137	ug/l		93
78) n-propylbenzene	11.305	91	13264	1.088	ug/l		98
79) 2-Chlorotoluene	11.366	91	9159	1.163	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	10031	1.115	ug/l		97
82) 4-Chlorotoluene	11.457	91	9494	1.101	ug/l		93
83) tert-Butylbenzene	11.713	119	10869	1.155	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	10735	1.174	ug/l		94
85) sec-Butylbenzene	11.890	105	12217	1.115	ug/l		99
86) p-Isopropyltoluene	12.012	119	9910	1.101	ug/l		90
87) 1,3-Dichlorobenzene	11.969	146	4688	1.046	ug/l		97
88) 1,4-Dichlorobenzene	12.037	146	5172m	1.163	ug/l		
89) n-Butylbenzene	12.335	91	8095	1.047	ug/l		94
90) Hexachloroethane	12.536	117	2589	1.270	ug/l		92
91) 1,2-Dichlorobenzene	12.341	146	5192	1.128	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1100	1.178	ug/l		97
93) 1,2,4-Trichlorobenzene	13.591	180	2587	0.941	ug/l		92
94) Hexachlorobutadiene	13.725	225	1133	1.049	ug/l		91
95) Naphthalene	13.780	128	10956	1.033	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	2863	1.004	ug/l		96

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

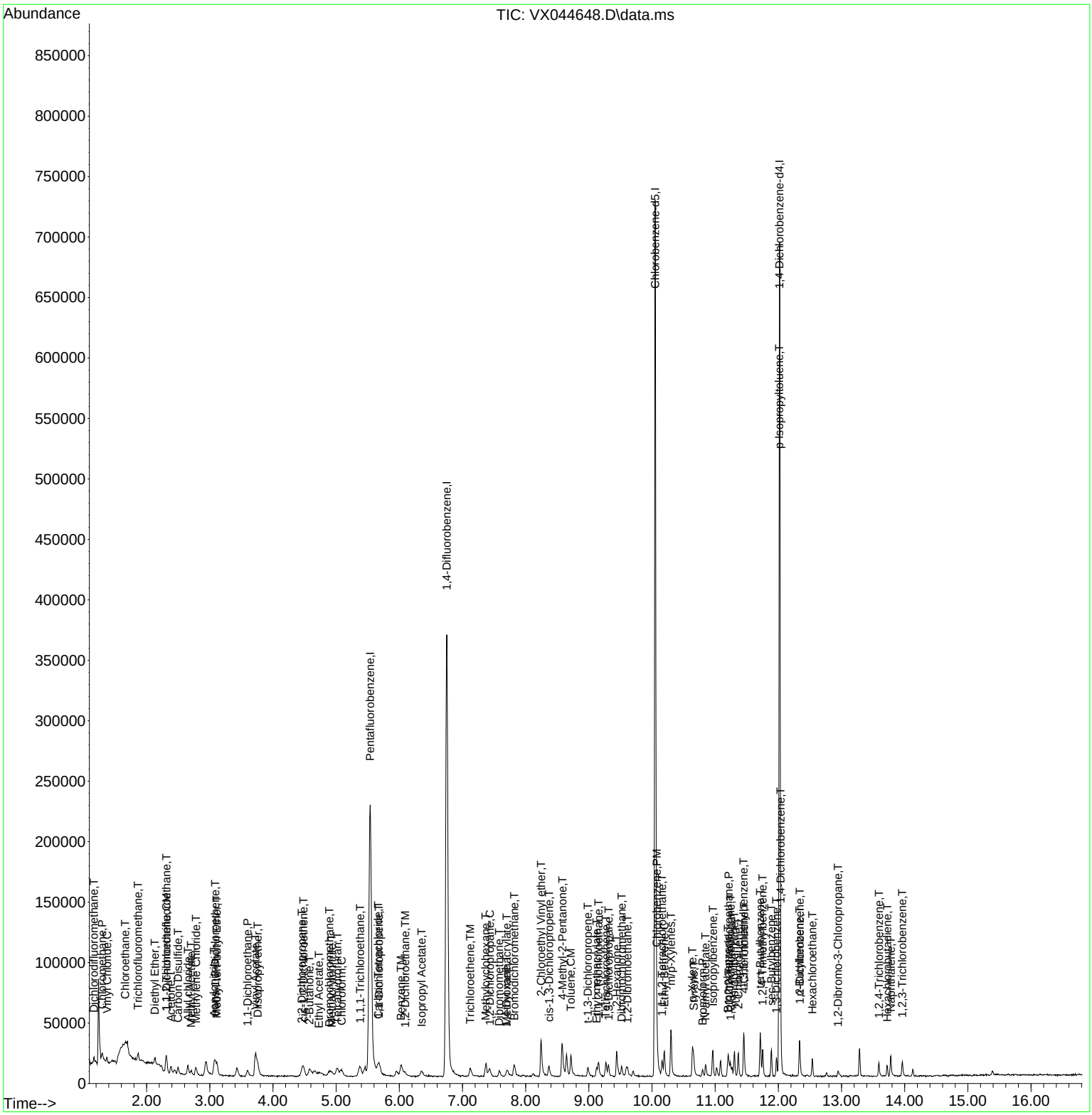
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 16 00:58:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	194627	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	357706	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	300165	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123491	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	16795	5.717	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.440%#			
35) Dibromofluoromethane	5.379	113	12712	5.594	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.180%#			
50) Toluene-d8	8.647	98	45425	5.733	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.460%#			
62) 4-Bromofluorobenzene	11.079	95	15909	5.386	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.780%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	11790	4.502	ug/l		96
3) Chloromethane	1.301	50	13859	4.893	ug/l		99
4) Vinyl Chloride	1.374	62	13246	4.734	ug/l		97
5) Bromomethane	1.593	94	3303	4.943	ug/l		98
6) Chloroethane	1.660	64	2387	4.652	ug/l	#	83
7) Trichlorofluoromethane	1.868	101	14571	4.711	ug/l		95
8) Diethyl Ether	2.136	74	6231	4.992	ug/l		100
9) 1,1,2-Trichlorotrifluo...	2.319	101	10967	4.717	ug/l		99
10) Methyl Iodide	2.441	142	15920	5.016	ug/l		99
11) Tert butyl alcohol	2.989	59	20543m	31.009	ug/l		
12) 1,1-Dichloroethene	2.307	96	10636	4.667	ug/l		91
13) Acrolein	2.239	56	11045	35.838	ug/l		95
14) Allyl chloride	2.654	41	21748	4.901	ug/l		97
15) Acrylonitrile	3.069	53	32783	25.521	ug/l		98
16) Acetone	2.386	43	26927	23.167	ug/l		97
17) Carbon Disulfide	2.502	76	30278	4.869	ug/l		97
18) Methyl Acetate	2.703	43	16192	4.516	ug/l		95
19) Methyl tert-butyl Ether	3.117	73	41254	4.998	ug/l		100
20) Methylene Chloride	2.782	84	13610	5.028	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	11813	4.965	ug/l		98
22) Diisopropyl ether	3.764	45	39716	5.149	ug/l		92
23) Vinyl Acetate	3.721	43	175668	26.022	ug/l		99
24) 1,1-Dichloroethane	3.605	63	22655	4.953	ug/l		98
25) 2-Butanone	4.568	43	43210	25.004	ug/l		96
26) 2,2-Dichloropropane	4.465	77	21972	4.957	ug/l		98
27) cis-1,2-Dichloroethene	4.483	96	14297	4.777	ug/l		97
28) Bromochloromethane	4.891	49	10785	5.046	ug/l		100
29) Tetrahydrofuran	5.007	42	27602	24.762	ug/l		98
30) Chloroform	5.086	83	23860	5.169	ug/l		93
31) Cyclohexane	5.458	56	18252	4.934	ug/l		94
32) 1,1,1-Trichloroethane	5.373	97	20169	4.753	ug/l		99
36) 1,1-Dichloropropene	5.690	75	15040	4.754	ug/l		94
37) Ethyl Acetate	4.721	43	17349	5.150	ug/l		95
38) Carbon Tetrachloride	5.666	117	17983	5.054	ug/l		92
39) Methylcyclohexane	7.373	83	19848	4.727	ug/l		95
40) Benzene	6.038	78	49235	5.023	ug/l		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	9920	5.124	ug/l		98
42) 1,2-Dichloroethane	6.086	62	17678	4.941	ug/l		97
43) Isopropyl Acetate	6.342	43	30226	4.877	ug/l		99
44) Trichloroethene	7.123	130	11427	4.849	ug/l		97
45) 1,2-Dichloropropane	7.428	63	12829	5.199	ug/l		97
46) Dibromomethane	7.580	93	9684	5.156	ug/l		94
47) Bromodichloromethane	7.818	83	18964	4.923	ug/l		94
48) Methyl methacrylate	7.696	41	13933	4.844	ug/l		97
49) 1,4-Dioxane	7.677	88	5674	94.542	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	87503	25.551	ug/l		98
52) Toluene	8.714	92	30892	5.149	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	19714	4.954	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	21054	4.879	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	12227	5.037	ug/l		99
56) Ethyl methacrylate	9.116	69	20596	4.935	ug/l		96
57) 1,3-Dichloropropane	9.305	76	21253	5.142	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	50319	24.557	ug/l		100
59) 2-Hexanone	9.433	43	63985	25.395	ug/l		100
60) Dibromochloromethane	9.519	129	14553	5.108	ug/l		99
61) 1,2-Dibromoethane	9.610	107	12916	5.077	ug/l		97
64) Tetrachloroethene	9.269	164	9274	4.920	ug/l		93
65) Chlorobenzene	10.073	112	32572	5.109	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	11955	5.160	ug/l		98
67) Ethyl Benzene	10.189	91	55208	4.963	ug/l		98
68) m/p-Xylenes	10.299	106	41816	10.129	ug/l		99
69) o-Xylene	10.640	106	21392	5.124	ug/l		96
70) Styrene	10.653	104	34407	5.105	ug/l		98
71) Bromoform	10.799	173	9452	5.012	ug/l	#	97
73) Isopropylbenzene	10.963	105	52599	5.214	ug/l		100
74) N-amyl acetate	10.842	43	25282	5.084	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	18645	5.351	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	16903m	5.796	ug/l		
77) Bromobenzene	11.201	156	12158	5.156	ug/l		96
78) n-propylbenzene	11.305	91	53913	4.846	ug/l		99
79) 2-Chlorotoluene	11.366	91	36602	5.093	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	43488	5.295	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	6607	5.042	ug/l		95
82) 4-Chlorotoluene	11.451	91	39763	5.051	ug/l		99
83) tert-Butylbenzene	11.713	119	45606	5.311	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	41737	5.001	ug/l		99
85) sec-Butylbenzene	11.890	105	49858	4.987	ug/l		99
86) p-Isopropyltoluene	12.006	119	41214	5.016	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	20268	4.956	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	20555	5.062	ug/l		93
89) n-Butylbenzene	12.329	91	33505	4.747	ug/l		98
90) Hexachloroethane	12.536	117	9325	5.012	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	21690	5.165	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4384	5.145	ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	11649	4.640	ug/l		99
94) Hexachlorobutadiene	13.725	225	4738	4.804	ug/l		99
95) Naphthalene	13.774	128	46418	4.794	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	12258	4.710	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

ICAL Form

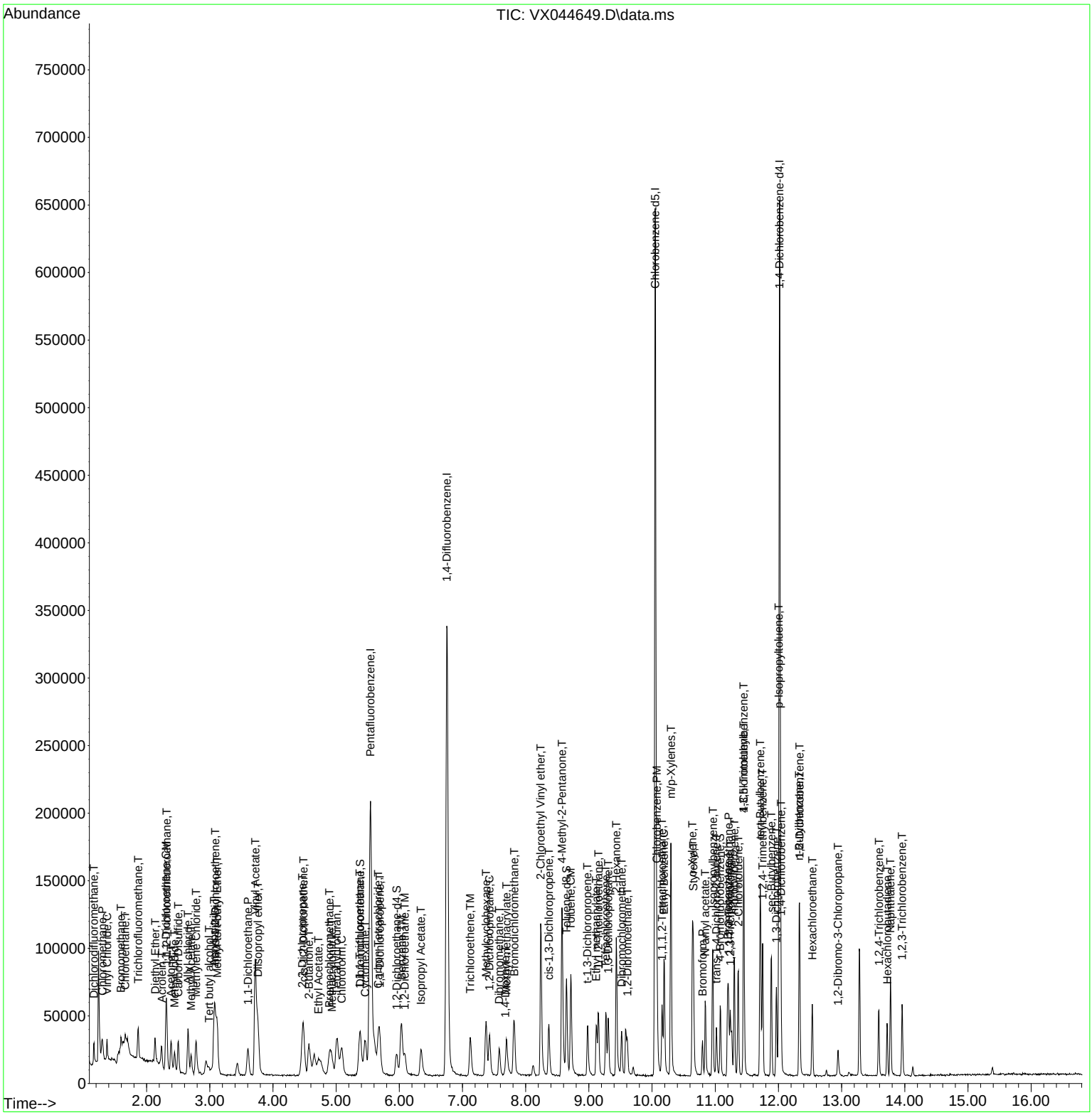
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	189658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	305422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	130861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52421	18.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.620%#		
35) Dibromofluoromethane	5.379	113	40585	18.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.340%#		
50) Toluene-d8	8.647	98	147843	18.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.980%#		
62) 4-Bromofluorobenzene	11.079	95	55407	19.087	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.180%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	48623	19.052	ug/l	97
3) Chloromethane	1.295	50	54827	19.866	ug/l	97
4) Vinyl Chloride	1.374	62	51689	18.955	ug/l	98
5) Bromomethane	1.593	94	12588	19.333	ug/l	98
6) Chloroethane	1.660	64	8576	17.150	ug/l	98
7) Trichlorofluoromethane	1.868	101	57313	19.017	ug/l	100
8) Diethyl Ether	2.136	74	23029	18.934	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	42608	18.807	ug/l	98
10) Methyl Iodide	2.441	142	63102	20.401	ug/l	99
11) Tert butyl alcohol	2.977	59	62614m	96.990	ug/l	
12) 1,1-Dichloroethene	2.307	96	43408	19.547	ug/l	98
13) Acrolein	2.233	56	24912	82.949	ug/l	93
14) Allyl chloride	2.654	41	81766	18.911	ug/l	100
15) Acrylonitrile	3.063	53	123315	98.515	ug/l	98
16) Acetone	2.386	43	103836	91.678	ug/l	98
17) Carbon Disulfide	2.502	76	119145	19.662	ug/l	100
18) Methyl Acetate	2.703	43	62684	17.939	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	158601	19.718	ug/l	98
20) Methylene Chloride	2.782	84	51758	19.623	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	44786	19.317	ug/l	95
22) Diisopropyl ether	3.758	45	151033	20.095	ug/l	94
23) Vinyl Acetate	3.715	43	666641	101.337	ug/l	100
24) 1,1-Dichloroethane	3.605	63	88060	19.758	ug/l	100
25) 2-Butanone	4.556	43	168309	99.946	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82977	19.209	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	56594	19.406	ug/l	99
28) Bromochloromethane	4.891	49	39526	18.978	ug/l	98
29) Tetrahydrofuran	5.001	42	106241	97.807	ug/l	100
30) Chloroform	5.087	83	89891	19.985	ug/l	99
31) Cyclohexane	5.458	56	72527	20.120	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	78644	19.019	ug/l	100
36) 1,1-Dichloropropene	5.684	75	59303	19.076	ug/l	99
37) Ethyl Acetate	4.715	43	66324	20.034	ug/l	98
38) Carbon Tetrachloride	5.666	117	65838	18.829	ug/l	95
39) Methylcyclohexane	7.373	83	78248	18.961	ug/l	97
40) Benzene	6.032	78	191801	19.911	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	36180	19.016	ug/l		98
42) 1,2-Dichloroethane	6.080	62	69034	19.635	ug/l		99
43) Isopropyl Acetate	6.336	43	119568	19.633	ug/l		99
44) Trichloroethene	7.117	130	45597	19.689	ug/l		94
45) 1,2-Dichloropropane	7.428	63	47111	19.429	ug/l		100
46) Dibromomethane	7.580	93	35056	18.991	ug/l		98
47) Bromodichloromethane	7.818	83	72837	19.241	ug/l		94
48) Methyl methacrylate	7.690	41	57413	20.310	ug/l		99
49) 1,4-Dioxane	7.665	88	23433	397.311	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	338304	100.520	ug/l		99
52) Toluene	8.714	92	119410	20.253	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	79260	20.266	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	84851	20.008	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	47930	20.093	ug/l		97
56) Ethyl methacrylate	9.116	69	84067	20.496	ug/l		98
57) 1,3-Dichloropropane	9.305	76	81718	20.117	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	176999	87.899	ug/l		99
59) 2-Hexanone	9.427	43	250792	101.288	ug/l		99
60) Dibromochloromethane	9.519	129	56038	20.015	ug/l		99
61) 1,2-Dibromoethane	9.604	107	50060	20.025	ug/l		99
64) Tetrachloroethene	9.269	164	36566	19.066	ug/l		96
65) Chlorobenzene	10.073	112	126540	19.506	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45959	19.493	ug/l		99
67) Ethyl Benzene	10.189	91	223249	19.723	ug/l		99
68) m/p-Xylenes	10.299	106	167689	39.921	ug/l		100
69) o-Xylene	10.640	106	84280	19.840	ug/l		99
70) Styrene	10.653	104	138465	20.189	ug/l		99
71) Bromoform	10.799	173	36839	19.198	ug/l	#	98
73) Isopropylbenzene	10.957	105	211633	19.797	ug/l		99
74) N-amyl acetate	10.842	43	103040	19.555	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	73190	19.823	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	61409m	19.870	ug/l		
77) Bromobenzene	11.195	156	48555	19.432	ug/l		100
78) n-propylbenzene	11.299	91	234567	19.896	ug/l		100
79) 2-Chlorotoluene	11.360	91	149688	19.655	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	173348	19.919	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	27061	19.486	ug/l		98
82) 4-Chlorotoluene	11.451	91	166586	19.968	ug/l		100
83) tert-Butylbenzene	11.713	119	178504	19.617	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	175164	19.807	ug/l		99
85) sec-Butylbenzene	11.890	105	208186	19.649	ug/l		100
86) p-Isopropyltoluene	12.006	119	171507	19.697	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	84759	19.560	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	84055	19.536	ug/l		100
89) n-Butylbenzene	12.329	91	145015	19.391	ug/l		99
90) Hexachloroethane	12.536	117	36858	18.693	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	87147	19.582	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16770	18.572	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	49471	18.595	ug/l		98
94) Hexachlorobutadiene	13.719	225	19513	18.672	ug/l		99
95) Naphthalene	13.774	128	198769	19.372	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	52651	19.093	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

ICAL Form

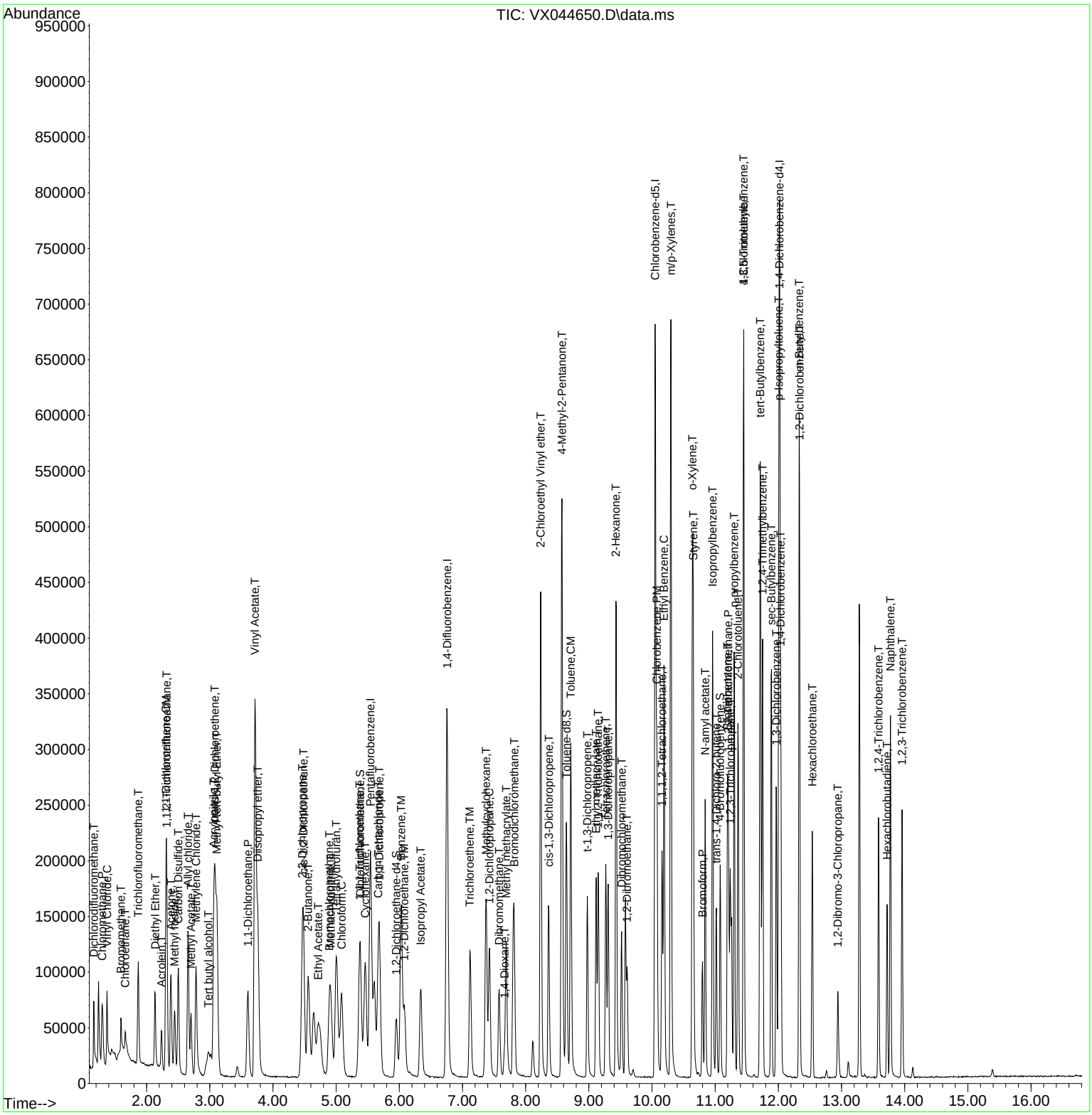
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	191095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	301141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	127832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	142316	49.339	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.680%			
35) Dibromofluoromethane	5.379	113	111739	50.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	8.647	98	390660	50.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.300%			
62) 4-Bromofluorobenzene	11.079	95	148223	51.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	129814	50.482	ug/l	100
3) Chloromethane	1.300	50	135661	48.786	ug/l	100
4) Vinyl Chloride	1.374	62	134180	48.836	ug/l	100
5) Bromomethane	1.593	94	32585	49.668	ug/l	100
6) Chloroethane	1.660	64	22356	44.371	ug/l	100
7) Trichlorofluoromethane	1.867	101	146280	48.172	ug/l	100
8) Diethyl Ether	2.136	74	55843	45.569	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	105786	46.343	ug/l	100
10) Methyl Iodide	2.440	142	154347	49.525	ug/l	100
11) Tert butyl alcohol	2.983	59	144614m	222.325	ug/l	
12) 1,1-Dichloroethene	2.306	96	108167	48.342	ug/l	100
13) Acrolein	2.239	56	64703	213.821	ug/l	100
14) Allyl chloride	2.654	41	200446	46.011	ug/l	100
15) Acrylonitrile	3.062	53	298629	236.777	ug/l	100
16) Acetone	2.386	43	255513	223.898	ug/l	100
17) Carbon Disulfide	2.501	76	295098	48.333	ug/l	100
18) Methyl Acetate	2.703	43	168213	47.777	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	388306	47.913	ug/l	100
20) Methylene Chloride	2.782	84	124271	46.761	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	108489	46.441	ug/l	100
22) Diisopropyl ether	3.757	45	363224	47.964	ug/l	100
23) Vinyl Acetate	3.715	43	1576614	237.862	ug/l	100
24) 1,1-Dichloroethane	3.599	63	215178	47.915	ug/l	100
25) 2-Butanone	4.556	43	407104	239.931	ug/l	100
26) 2,2-Dichloropropane	4.465	77	201388	46.271	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	137091	46.654	ug/l	100
28) Bromochloromethane	4.891	49	101453	48.346	ug/l	100
29) Tetrahydrofuran	5.001	42	256051	233.952	ug/l	100
30) Chloroform	5.086	83	218193	48.144	ug/l	100
31) Cyclohexane	5.458	56	177904	48.981	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	190478	45.718	ug/l	100
36) 1,1-Dichloropropene	5.684	75	143445	46.120	ug/l	100
37) Ethyl Acetate	4.708	43	162853	49.168	ug/l	100
38) Carbon Tetrachloride	5.672	117	161882	46.273	ug/l	100
39) Methylcyclohexane	7.373	83	193759	46.929	ug/l	100
40) Benzene	6.031	78	459433	47.670	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	89498	47.017	ug/l	100
42) 1,2-Dichloroethane	6.080	62	167878	47.725	ug/l	100
43) Isopropyl Acetate	6.336	43	286693	47.053	ug/l	100
44) Trichloroethene	7.116	130	111112	47.956	ug/l	100
45) 1,2-Dichloropropane	7.427	63	115621	47.660	ug/l	100
46) Dibromomethane	7.574	93	86455	46.813	ug/l	100
47) Bromodichloromethane	7.818	83	178531	47.138	ug/l	100
48) Methyl methacrylate	7.690	41	140450	49.659	ug/l	100
49) 1,4-Dioxane	7.665	88	55679	943.583	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	790152	234.662	ug/l	100
52) Toluene	8.714	92	283156	48.001	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	191876	49.036	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	201804	47.563	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	112274	47.043	ug/l	100
56) Ethyl methacrylate	9.116	69	198422	48.353	ug/l	100
57) 1,3-Dichloropropane	9.305	76	195182	48.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	479521	238.018	ug/l	100
59) 2-Hexanone	9.433	43	580029	234.142	ug/l	100
60) Dibromochloromethane	9.518	129	133941	47.816	ug/l	100
61) 1,2-Dibromoethane	9.604	107	118382	47.331	ug/l	100
64) Tetrachloroethene	9.269	164	89149	47.145	ug/l	100
65) Chlorobenzene	10.073	112	303658	47.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	110395	47.490	ug/l	100
67) Ethyl Benzene	10.189	91	535714	48.000	ug/l	100
68) m/p-Xylenes	10.299	106	395084	95.393	ug/l	100
69) o-Xylene	10.640	106	200396	47.845	ug/l	100
70) Styrene	10.652	104	327844	48.481	ug/l	100
71) Bromoform	10.799	173	90837	48.011	ug/l	100
73) Isopropylbenzene	10.957	105	500669	47.943	ug/l	100
74) N-amyl acetate	10.841	43	242893	47.188	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	166468	46.155	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	140834m	46.648	ug/l	
77) Bromobenzene	11.195	156	115377	47.268	ug/l	100
78) n-propylbenzene	11.299	91	561396	48.746	ug/l	100
79) 2-Chlorotoluene	11.360	91	353178	47.474	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	407362	47.918	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	65476	48.266	ug/l	100
82) 4-Chlorotoluene	11.451	91	393120	48.238	ug/l	100
83) tert-Butylbenzene	11.713	119	422348	47.513	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	410477	47.515	ug/l	100
85) sec-Butylbenzene	11.890	105	497964	48.113	ug/l	100
86) p-Isopropyltoluene	12.006	119	411853	48.421	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	206233	48.720	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	201574	47.960	ug/l	100
89) n-Butylbenzene	12.329	91	358698	49.100	ug/l	100
90) Hexachloroethane	12.536	117	88230	45.808	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	207903	47.824	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39659	44.962	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	131779	50.708	ug/l	100
94) Hexachlorobutadiene	13.725	225	50255	49.230	ug/l	100
95) Naphthalene	13.774	128	487525	48.639	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	134816	50.047	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

ICAL Form

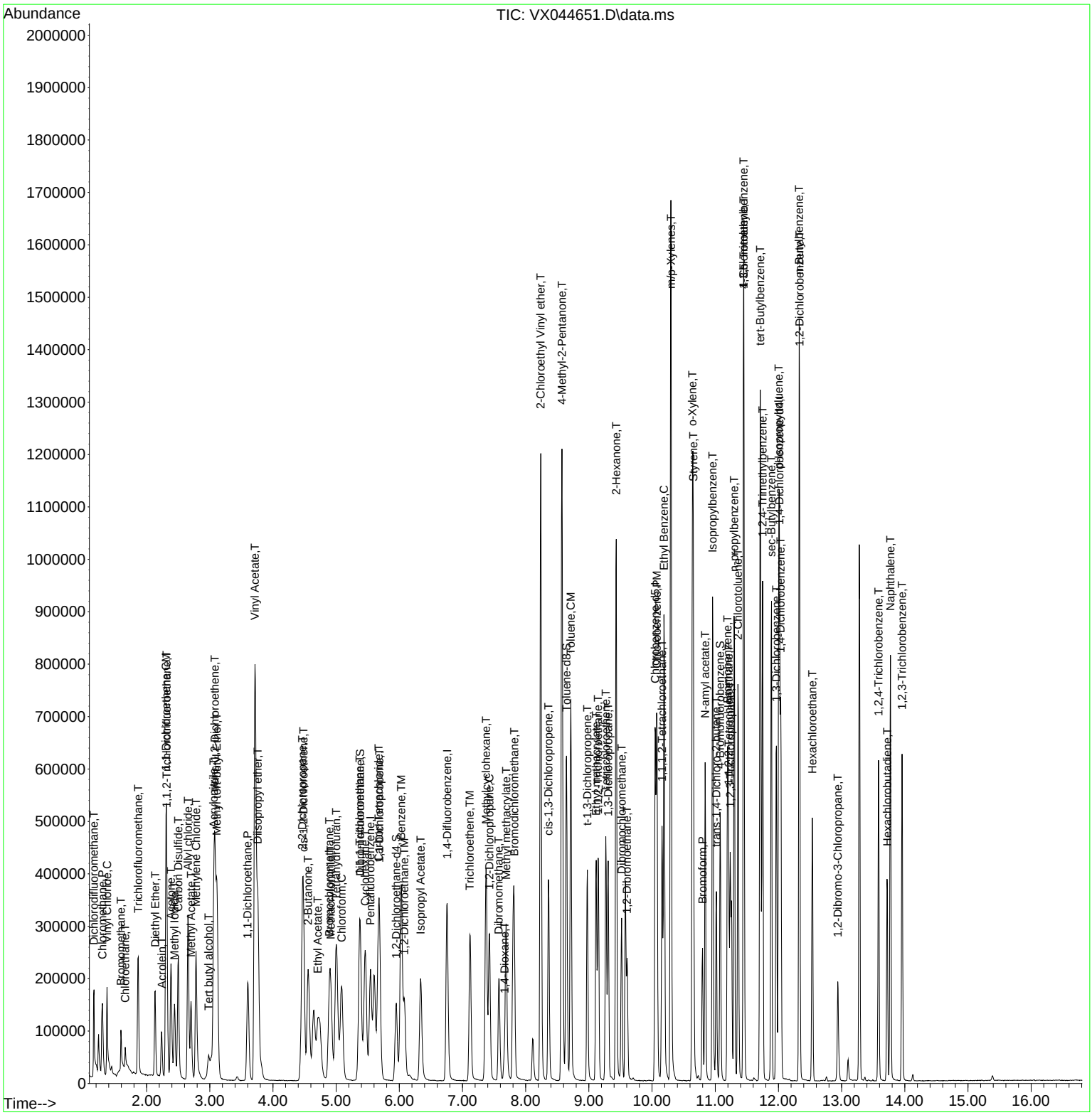
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	170573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	308450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	255886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	235193	91.349	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 182.700%#			
35) Dibromofluoromethane	5.373	113	181010	92.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 184.740%#			
50) Toluene-d8	8.641	98	617688	90.404	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 180.800%#			
62) 4-Bromofluorobenzene	11.079	95	236119	92.702	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 185.400%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	256287	111.657	ug/l	99
3) Chloromethane	1.301	50	232745	93.768	ug/l	100
4) Vinyl Chloride	1.374	62	238376	97.198	ug/l	100
5) Bromomethane	1.593	94	57815	98.728	ug/l	94
6) Chloroethane	1.660	64	42244	93.931	ug/l	97
7) Trichlorofluoromethane	1.861	101	275756	101.736	ug/l	99
8) Diethyl Ether	2.130	74	99765	91.205	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	203976	100.109	ug/l	99
10) Methyl Iodide	2.441	142	272297	97.884	ug/l	99
11) Tert butyl alcohol	3.026	59	259620m	447.152	ug/l	
12) 1,1-Dichloroethene	2.306	96	194870	97.570	ug/l	98
13) Acrolein	2.233	56	116830	432.534	ug/l	98
14) Allyl chloride	2.654	41	358388	92.162	ug/l	100
15) Acrylonitrile	3.062	53	560841	498.179	ug/l	100
16) Acetone	2.386	43	527741	518.081	ug/l	100
17) Carbon Disulfide	2.495	76	529418	97.144	ug/l	99
18) Methyl Acetate	2.697	43	321291	102.235	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	681776	94.245	ug/l	99
20) Methylene Chloride	2.776	84	216105	91.100	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	190588	91.400	ug/l	99
22) Diisopropyl ether	3.751	45	632562	93.579	ug/l	100
23) Vinyl Acetate	3.715	43	2791754	471.863	ug/l	100
24) 1,1-Dichloroethane	3.599	63	378924	94.530	ug/l	99
25) 2-Butanone	4.550	43	765500	505.435	ug/l	100
26) 2,2-Dichloropropane	4.458	77	357666	92.064	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	240149	91.559	ug/l	99
28) Bromochloromethane	4.885	49	179896	96.041	ug/l	100
29) Tetrahydrofuran	4.995	42	477227	488.500	ug/l	100
30) Chloroform	5.080	83	373681	92.373	ug/l	99
31) Cyclohexane	5.452	56	319131	98.436	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	338119	90.918	ug/l	99
36) 1,1-Dichloropropene	5.678	75	255714	93.746	ug/l	99
37) Ethyl Acetate	4.702	43	300700	103.517	ug/l	99
38) Carbon Tetrachloride	5.666	117	287048	93.555	ug/l	99
39) Methylcyclohexane	7.367	83	359758	99.352	ug/l	98
40) Benzene	6.025	78	785626	92.946	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	168481	100.920	ug/l		98
42) 1,2-Dichloroethane	6.074	62	292036	94.663	ug/l		99
43) Isopropyl Acetate	6.330	43	512598	95.925	ug/l		99
44) Trichloroethene	7.117	130	199570	98.212	ug/l		96
45) 1,2-Dichloropropane	7.421	63	200877	94.413	ug/l		99
46) Dibromomethane	7.568	93	150112	92.680	ug/l		98
47) Bromodichloromethane	7.812	83	307990	92.723	ug/l		99
48) Methyl methacrylate	7.684	41	248667	100.250	ug/l		100
49) 1,4-Dioxane	7.665	88	101384	1959.056	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1372888	464.897	ug/l		100
52) Toluene	8.708	92	474392	91.697	ug/l		100
53) t-1,3-Dichloropropene	8.970	75	330982	96.446	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	349516	93.927	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	192326	91.885	ug/l		98
56) Ethyl methacrylate	9.110	69	337626	93.812	ug/l		99
57) 1,3-Dichloropropane	9.305	76	325142	91.220	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	817528	462.693	ug/l		99
59) 2-Hexanone	9.427	43	1019940	469.454	ug/l		99
60) Dibromochloromethane	9.519	129	227418	92.570	ug/l		99
61) 1,2-Dibromoethane	9.604	107	202247	92.200	ug/l		100
64) Tetrachloroethene	9.269	164	157748	98.176	ug/l		98
65) Chlorobenzene	10.073	112	510916	94.003	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	184816	93.565	ug/l		100
67) Ethyl Benzene	10.189	91	909208	95.872	ug/l		99
68) m/p-Xylenes	10.299	106	661488	187.963	ug/l		100
69) o-Xylene	10.640	106	329336	92.536	ug/l		99
70) Styrene	10.653	104	547016	95.197	ug/l		100
71) Bromoform	10.799	173	155379	96.648	ug/l	#	99
73) Isopropylbenzene	10.957	105	833874	92.779	ug/l		100
74) N-amyl acetate	10.842	43	414046	93.463	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	278679	89.776	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	250918m	96.568	ug/l		
77) Bromobenzene	11.195	156	192700	91.729	ug/l		99
78) n-propylbenzene	11.299	91	956202	96.470	ug/l		100
79) 2-Chlorotoluene	11.360	91	584682	91.317	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	672586	91.926	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	114832	98.354	ug/l		99
82) 4-Chlorotoluene	11.451	91	655250	93.421	ug/l		100
83) tert-Butylbenzene	11.713	119	690320	90.233	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	681398	91.646	ug/l		100
85) sec-Butylbenzene	11.890	105	848327	95.235	ug/l		100
86) p-Isopropyltoluene	12.006	119	695433	94.999	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	353809	97.115	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	347517	96.070	ug/l		99
89) n-Butylbenzene	12.329	91	633246	100.715	ug/l		99
90) Hexachloroethane	12.536	117	149253	90.037	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	340683	91.056	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	70862	93.344	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	233417	104.359	ug/l		99
94) Hexachlorobutadiene	13.725	225	88214	100.406	ug/l		100
95) Naphthalene	13.774	128	849403	98.464	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	232152	100.133	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

ICAL Form

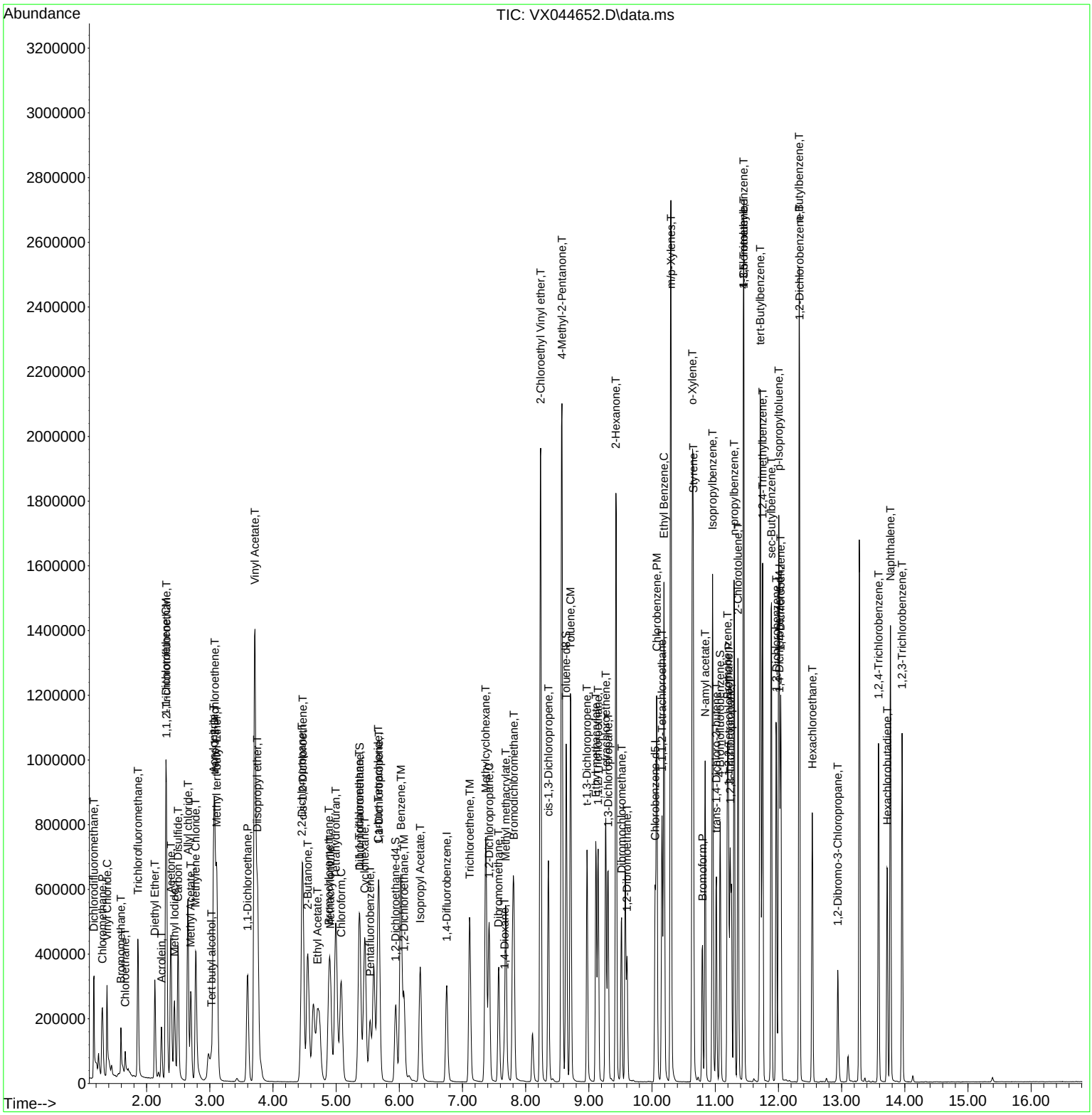
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	160078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290219	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	234362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100996	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	377212	156.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 312.220%#			
35) Dibromofluoromethane	5.379	113	289994	157.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 314.580%#			
50) Toluene-d8	8.647	98	961550	149.572	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 299.140%#			
62) 4-Bromofluorobenzene	11.079	95	366922	153.105	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 306.200%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	366593	170.185	ug/l	98
3) Chloromethane	1.300	50	342210	146.909	ug/l	97
4) Vinyl Chloride	1.374	62	359721	156.293	ug/l	99
5) Bromomethane	1.593	94	87716	159.609	ug/l	97
6) Chloroethane	1.660	64	71666	169.800	ug/l	98
7) Trichlorofluoromethane	1.855	101	398544	156.676	ug/l	97
8) Diethyl Ether	2.136	74	154291	150.299	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	302048	157.960	ug/l	99
10) Methyl Iodide	2.441	142	394541	151.126	ug/l	99
11) Tert butyl alcohol	3.062	59	387839m	711.783	ug/l	
12) 1,1-Dichloroethene	2.306	96	296987	158.449	ug/l	99
13) Acrolein	2.239	56	193280	762.485	ug/l	99
14) Allyl chloride	2.654	41	534150	146.366	ug/l	100
15) Acrylonitrile	3.068	53	783976	742.040	ug/l	99
16) Acetone	2.392	43	708100	740.713	ug/l	100
17) Carbon Disulfide	2.495	76	803379	157.079	ug/l	99
18) Methyl Acetate	2.703	43	483139	163.814	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	1034710	152.410	ug/l	99
20) Methylene Chloride	2.782	84	325957	146.417	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	290671	148.536	ug/l	98
22) Diisopropyl ether	3.763	45	957045	150.864	ug/l	91
23) Vinyl Acetate	3.721	43	4101581	738.701	ug/l	100
24) 1,1-Dichloroethane	3.599	63	594429	158.014	ug/l	99
25) 2-Butanone	4.562	43	1079716	759.640	ug/l	100
26) 2,2-Dichloropropane	4.465	77	550106	150.882	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	370177	150.386	ug/l	99
28) Bromochloromethane	4.891	49	251238	142.922	ug/l	99
29) Tetrahydrofuran	5.007	42	689928	752.528	ug/l	99
30) Chloroform	5.086	83	579322	152.595	ug/l	99
31) Cyclohexane	5.458	56	476106	156.483	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	522062	149.582	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386304	150.517	ug/l	99
37) Ethyl Acetate	4.715	43	433924	158.764	ug/l	99
38) Carbon Tetrachloride	5.666	117	437442	151.528	ug/l	99
39) Methylcyclohexane	7.373	83	534976	157.021	ug/l	99
40) Benzene	6.031	78	1205057	151.523	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	238601	151.900	ug/l	98
42) 1,2-Dichloroethane	6.080	62	446380	153.782	ug/l	98
43) Isopropyl Acetate	6.336	43	761866	151.528	ug/l	100
44) Trichloroethene	7.117	130	309226	161.735	ug/l	96
45) 1,2-Dichloropropane	7.421	63	308641	154.175	ug/l	99
46) Dibromomethane	7.574	93	231674	152.021	ug/l	99
47) Bromodichloromethane	7.818	83	471682	150.924	ug/l	99
48) Methyl methacrylate	7.690	41	368626	157.946	ug/l	99
49) 1,4-Dioxane	7.671	88	146350	3005.585	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1994498	717.818	ug/l	100
52) Toluene	8.714	92	699585	143.719	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	490414	151.880	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	524796	149.891	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	279505	141.923	ug/l	99
56) Ethyl methacrylate	9.116	69	499842	147.609	ug/l	100
57) 1,3-Dichloropropane	9.305	76	485347	144.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	1178391	708.825	ug/l	99
59) 2-Hexanone	9.433	43	1482861	725.401	ug/l	99
60) Dibromochloromethane	9.519	129	335937	145.333	ug/l	99
61) 1,2-Dibromoethane	9.604	107	296982	143.893	ug/l	100
64) Tetrachloroethene	9.269	164	229004	155.612	ug/l	98
65) Chlorobenzene	10.079	112	750161	150.697	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	276991	153.108	ug/l	99
67) Ethyl Benzene	10.189	91	1315242	151.424	ug/l	99
68) m/p-Xylenes	10.299	106	941355	292.054	ug/l	100
69) o-Xylene	10.640	106	473907	145.386	ug/l	98
70) Styrene	10.652	104	792889	150.660	ug/l	100
71) Bromoform	10.799	173	232464	157.877	ug/l	99
73) Isopropylbenzene	10.957	105	1207427	146.343	ug/l	100
74) N-amyl acetate	10.841	43	622491	153.069	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	415068	145.660	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	356222m	149.343	ug/l	
77) Bromobenzene	11.195	156	288579	149.641	ug/l	100
78) n-propylbenzene	11.305	91	1375979	151.223	ug/l	100
79) 2-Chlorotoluene	11.366	91	857617	145.911	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	959600	142.870	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	171786	160.280	ug/l	99
82) 4-Chlorotoluene	11.451	91	957835	148.761	ug/l	100
83) tert-Butylbenzene	11.713	119	999760	142.356	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	991595	145.281	ug/l	100
85) sec-Butylbenzene	11.890	105	1214662	148.543	ug/l	100
86) p-Isopropyltoluene	12.006	119	1000632	148.902	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	521112	155.816	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	516467	155.532	ug/l	99
89) n-Butylbenzene	12.329	91	904589	156.724	ug/l	99
90) Hexachloroethane	12.536	117	222866	146.455	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	511280	148.860	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	107815	154.709	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	352298	171.582	ug/l	99
94) Hexachlorobutadiene	13.725	225	129218	160.216	ug/l	99
95) Naphthalene	13.774	128	1285749	162.361	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	350134	164.515	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

ICAL Form

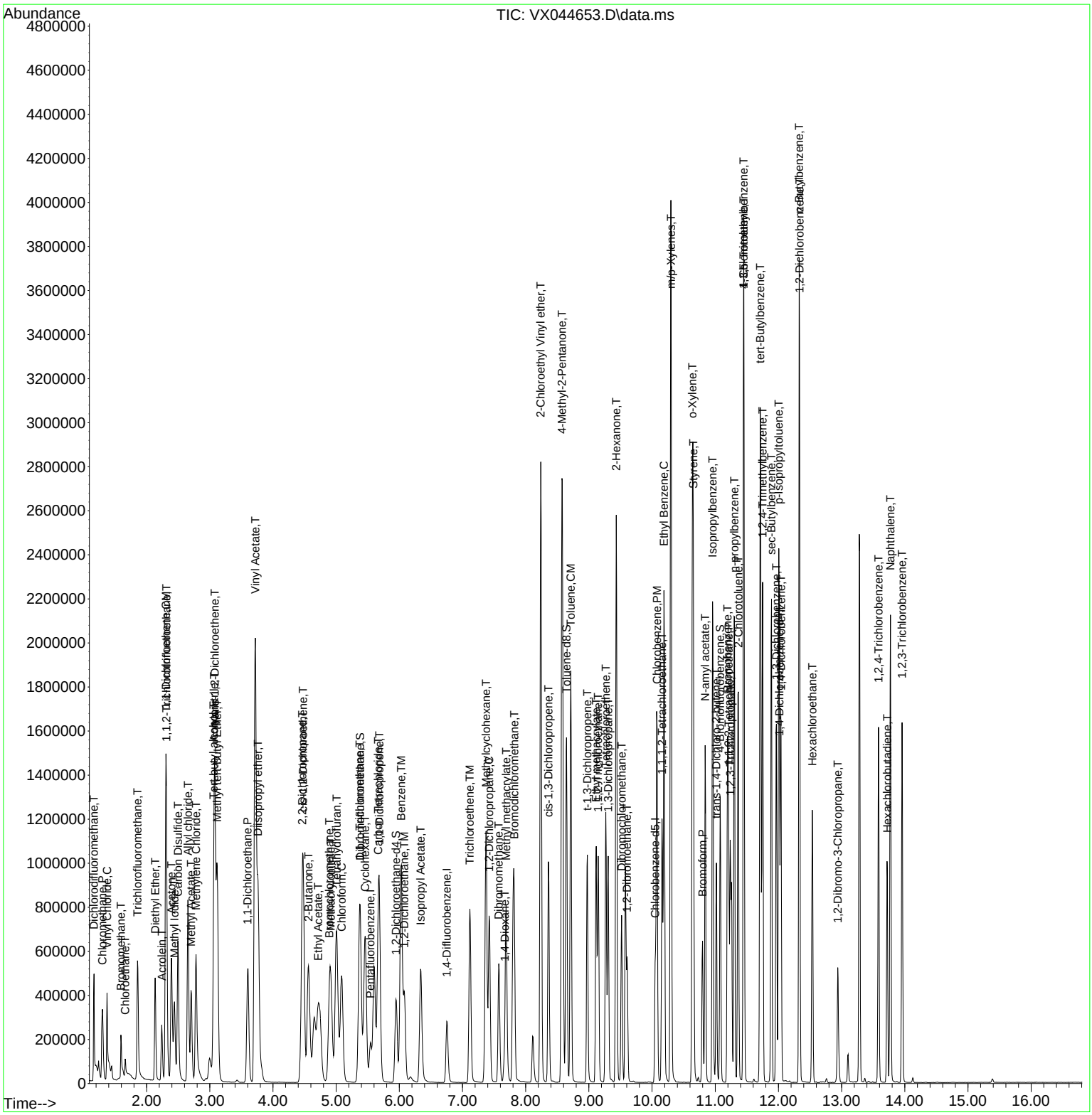
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	179405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	323521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	266872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	141798	52.363	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.720%			
35) Dibromofluoromethane	5.373	113	110333	53.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.360%			
50) Toluene-d8	8.641	98	380624	53.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	11.079	95	140770	52.693	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	136518	56.549	ug/l	99
3) Chloromethane	1.300	50	124691	47.763	ug/l	99
4) Vinyl Chloride	1.374	62	128558	49.839	ug/l	98
5) Bromomethane	1.593	94	30815	50.031	ug/l	98
6) Chloroethane	1.660	64	23473	49.624	ug/l	98
7) Trichlorofluoromethane	1.861	101	147644	51.789	ug/l	98
8) Diethyl Ether	2.130	74	54624	47.479	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	112018	52.271	ug/l	100
10) Methyl Iodide	2.441	142	150245	51.350	ug/l	99
11) Tert butyl alcohol	2.983	59	150021m	248.503	ug/l	
12) 1,1-Dichloroethene	2.306	96	107643	51.243	ug/l	97
13) Acrolein	2.233	56	65602	230.919	ug/l	98
14) Allyl chloride	2.654	41	197270	48.232	ug/l	100
15) Acrylonitrile	3.062	53	307790	259.942	ug/l	99
16) Acetone	2.386	43	285777	266.735	ug/l	100
17) Carbon Disulfide	2.495	76	291339	50.827	ug/l	100
18) Methyl Acetate	2.703	43	177037	53.560	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	383394	50.389	ug/l	99
20) Methylene Chloride	2.782	84	119950	48.076	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	107127	48.846	ug/l	97
22) Diisopropyl ether	3.757	45	360169	50.659	ug/l	93
23) Vinyl Acetate	3.715	43	1583340	254.442	ug/l	99
24) 1,1-Dichloroethane	3.599	63	211436	50.150	ug/l	99
25) 2-Butanone	4.550	43	423083	265.596	ug/l	99
26) 2,2-Dichloropropane	4.458	77	198981	48.697	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	134711	48.831	ug/l	100
28) Bromochloromethane	4.885	49	97608	49.545	ug/l	99
29) Tetrahydrofuran	4.995	42	263635	256.578	ug/l	99
30) Chloroform	5.080	83	214034	50.304	ug/l	99
31) Cyclohexane	5.452	56	180309	52.878	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	191114	48.859	ug/l	99
36) 1,1-Dichloropropene	5.678	75	143891	50.294	ug/l	99
37) Ethyl Acetate	4.702	43	166128	54.526	ug/l	99
38) Carbon Tetrachloride	5.659	117	161829	50.287	ug/l	100
39) Methylcyclohexane	7.366	83	199470	52.520	ug/l	98
40) Benzene	6.025	78	448684	50.610	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91151	51.342	ug/l		100
42) 1,2-Dichloroethane	6.074	62	164707	50.902	ug/l		100
43) Isopropyl Acetate	6.330	43	285121	50.871	ug/l		100
44) Trichloroethene	7.116	130	110588	51.887	ug/l		99
45) 1,2-Dichloropropane	7.421	63	113836	51.011	ug/l		97
46) Dibromomethane	7.574	93	84838	49.939	ug/l		100
47) Bromodichloromethane	7.811	83	174297	50.029	ug/l		99
48) Methyl methacrylate	7.683	41	137603	52.890	ug/l		99
49) 1,4-Dioxane	7.665	88	53851	992.095	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	779855	251.778	ug/l		100
52) Toluene	8.714	92	271071	49.955	ug/l		98
53) t-1,3-Dichloropropene	8.970	75	184653	51.300	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	199240	51.049	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	109957	50.085	ug/l		99
56) Ethyl methacrylate	9.110	69	190986	50.595	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187407	50.129	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	466737	251.852	ug/l		100
59) 2-Hexanone	9.427	43	576549	253.010	ug/l		100
60) Dibromochloromethane	9.518	129	128727	49.957	ug/l		100
61) 1,2-Dibromoethane	9.604	107	114330	49.693	ug/l		100
64) Tetrachloroethene	9.269	164	89460	53.384	ug/l		97
65) Chlorobenzene	10.073	112	287202	50.667	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	105329	51.129	ug/l		99
67) Ethyl Benzene	10.189	91	511560	51.721	ug/l		98
68) m/p-Xylenes	10.299	106	376743	102.645	ug/l		100
69) o-Xylene	10.640	106	186995	50.378	ug/l		99
70) Styrene	10.652	104	308018	51.398	ug/l		100
71) Bromoform	10.799	173	86512	51.597	ug/l	#	99
73) Isopropylbenzene	10.957	105	474051	50.246	ug/l		100
74) N-amyl acetate	10.841	43	233338	50.177	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	159673	49.002	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	140149m	50.004	ug/l		
77) Bromobenzene	11.195	156	109171	49.506	ug/l		99
78) n-propylbenzene	11.299	91	538048	51.712	ug/l		100
79) 2-Chlorotoluene	11.360	91	333891	49.678	ug/l		100
80) 1,3,5-Trimethylbenzene	11.445	105	382880	49.852	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	63708	51.981	ug/l		100
82) 4-Chlorotoluene	11.451	91	373655	50.750	ug/l		100
83) tert-Butylbenzene	11.713	119	397191	49.459	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	388010	49.714	ug/l		100
85) sec-Butylbenzene	11.890	105	477595	51.076	ug/l		100
86) p-Isopropyltoluene	12.006	119	392123	51.028	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	196862	51.476	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	193343	50.011	ug/l		99
89) n-Butylbenzene	12.329	91	350704	53.136	ug/l		99
90) Hexachloroethane	12.536	117	84427	48.518	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	194138	49.430	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39583	49.672	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	125286	53.362	ug/l		99
94) Hexachlorobutadiene	13.725	225	48702	52.807	ug/l		99
95) Naphthalene	13.774	128	479024	52.899	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	128038	52.611	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

ICAL Form

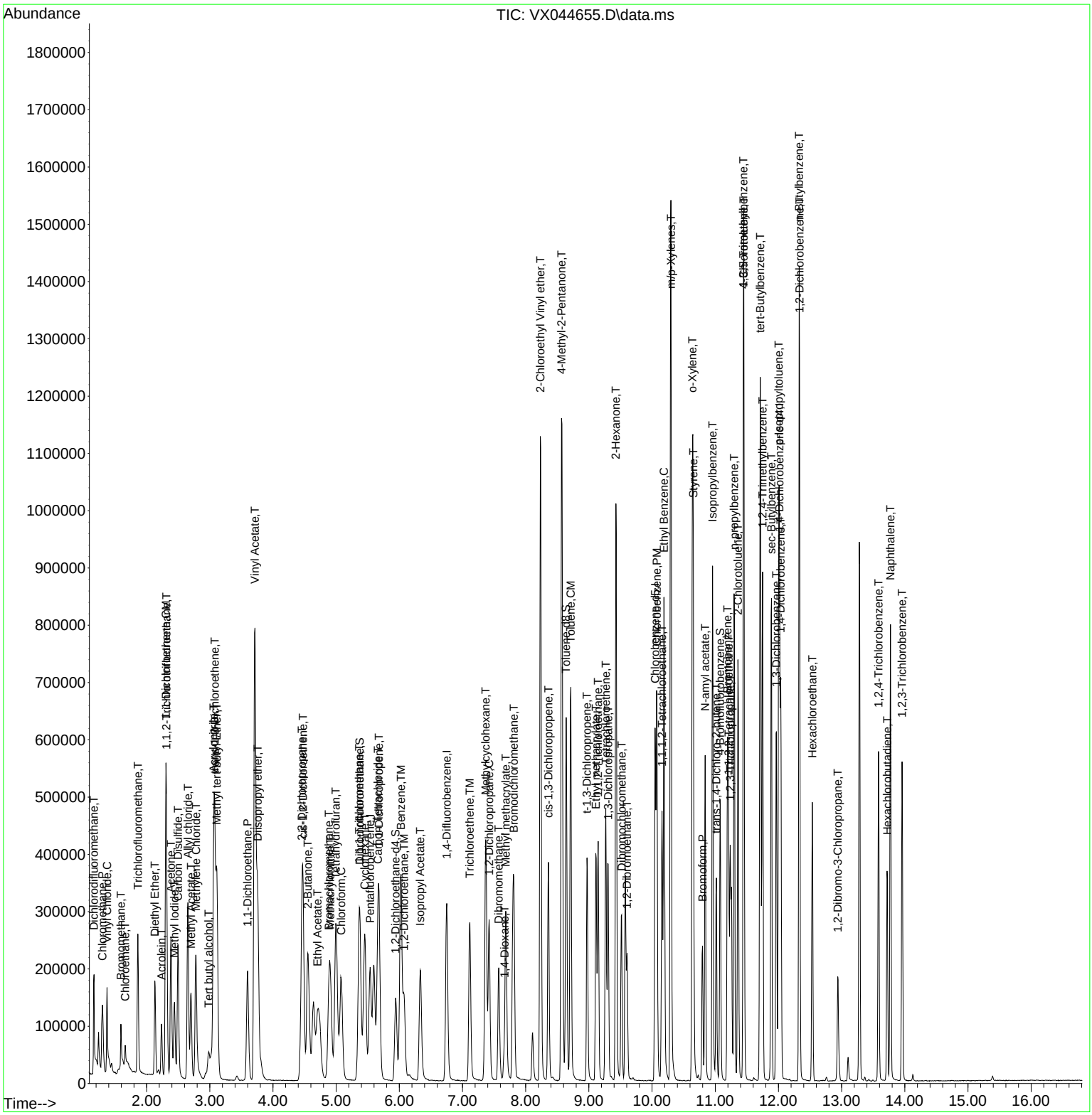
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.673	0.761	-13.1	105	0.00
3	P	Chloromethane	0.728	0.695	4.5	92	0.00
4	C	Vinyl Chloride	0.719	0.717	0.3#	96	0.00
5	T	Bromomethane	0.172	0.172	0.0	95	0.00
6	T	Chloroethane	0.132	0.131	0.8	105	0.00
7	T	Trichlorofluoromethane	0.795	0.823	-3.5	101	0.00
8	T	Diethyl Ether	0.321	0.304	5.3	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.597	0.624	-4.5	106	0.00
10	T	Methyl Iodide	0.815	0.837	-2.7	97	0.00
11	T	Tert butyl alcohol	0.168	0.167	0.6	104	0.00
12	CM	1,1-Dichloroethene	0.585	0.600	-2.6#	100	0.00
13	T	Acrolein	0.079	0.073	7.6	101	0.00
14	T	Allyl chloride	1.140	1.100	3.5	98	0.00
15	T	Acrylonitrile	0.330	0.343	-3.9	103	0.00
16	T	Acetone	0.299	0.319	-6.7	112	0.00
17	T	Carbon Disulfide	1.597	1.624	-1.7	99	0.00
18	T	Methyl Acetate	0.921	0.987	-7.2	105	0.00
19	T	Methyl tert-butyl Ether	2.121	2.137	-0.8	99	0.00
20	T	Methylene Chloride	0.695	0.669	3.7	97	0.00
21	T	trans-1,2-Dichloroethene	0.611	0.597	2.3	99	0.00
22	T	Diisopropyl ether	1.981	2.008	-1.4	99	0.00
23	T	Vinyl Acetate	1.734	1.765	-1.8	100	0.00
24	P	1,1-Dichloroethane	1.175	1.179	-0.3	98	0.00
25	T	2-Butanone	0.444	0.472	-6.3	104	0.00
26	T	2,2-Dichloropropane	1.139	1.109	2.6	99	0.00
27	T	cis-1,2-Dichloroethene	0.769	0.751	2.3	98	0.00
28	T	Bromochloromethane	0.549	0.544	0.9	96	0.00
29	T	Tetrahydrofuran	0.286	0.294	-2.8	103	0.00
30	C	Chloroform	1.186	1.193	-0.6#	98	0.00
31	T	Cyclohexane	0.950	1.005	-5.8	101	0.00
32	T	1,1,1-Trichloroethane	1.090	1.065	2.3	100	0.00
33	S	1,2-Dichloroethane-d4	0.755	0.790	-4.6	100	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.318	0.341	-7.2	99	0.00
36	T	1,1-Dichloropropene	0.442	0.445	-0.7	100	0.00
37	T	Ethyl Acetate	0.471	0.513	-8.9	102	0.00
38	T	Carbon Tetrachloride	0.497	0.500	-0.6	100	-0.01
39	T	Methylcyclohexane	0.587	0.617	-5.1	103	0.00
40	TM	Benzene	1.370	1.387	-1.2	98	0.00
41	T	Methacrylonitrile	0.274	0.282	-2.9	102	0.00
42	TM	1,2-Dichloroethane	0.500	0.509	-1.8	98	0.00
43	T	Isopropyl Acetate	0.866	0.881	-1.7	99	0.00
44	TM	Trichloroethene	0.329	0.342	-4.0	100	0.00
45	C	1,2-Dichloropropane	0.345	0.352	-2.0#	98	0.00
46	T	Dibromomethane	0.263	0.262	0.4	98	0.00
47	T	Bromodichloromethane	0.538	0.539	-0.2	98	0.00
48	T	Methyl methacrylate	0.402	0.425	-5.7	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	97	0.00
50	S	Toluene-d8	1.108	1.177	-6.2	97	0.00
51	T	4-Methyl-2-Pentanone	0.479	0.482	-0.6	99	0.00
52	CM	Toluene	0.839	0.838	0.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.556	0.571	-2.7	96	0.00
54	T	cis-1,3-Dichloropropene	0.603	0.616	-2.2	99	0.00
55	T	1,1,2-Trichloroethane	0.339	0.340	-0.3	98	0.00
56	T	Ethyl methacrylate	0.583	0.590	-1.2	96	0.00
57	T	1,3-Dichloropropane	0.578	0.579	-0.2	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.286	0.289	-1.0	97	0.00
59	T	2-Hexanone	0.352	0.356	-1.1	99	0.00
60	T	Dibromochloromethane	0.398	0.398	0.0	96	0.00
61	T	1,2-Dibromoethane	0.356	0.353	0.8	97	0.00
62	S	4-Bromofluorobenzene	0.413	0.435	-5.3	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.314	0.335	-6.7	100	0.00
65	PM	Chlorobenzene	1.062	1.076	-1.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.386	0.395	-2.3	95	0.00
67	C	Ethyl Benzene	1.853	1.917	-3.5#	95	0.00
68	T	m/p-Xylenes	0.688	0.706	-2.6	95	0.00
69	T	o-Xylene	0.695	0.701	-0.9	93	0.00
70	T	Styrene	1.123	1.154	-2.8	94	0.00
71	P	Bromoform	0.314	0.324	-3.2	95	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	4.085	4.105	-0.5	95	0.00
74	T	N-amyl acetate	2.013	2.020	-0.3	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.411	1.383	2.0	96	0.00
76	T	1,2,3-Trichloropropane	1.213	1.214	-0.1	100	0.00
77	T	Bromobenzene	0.955	0.945	1.0	95	0.00
78	T	n-propylbenzene	4.505	4.659	-3.4	96	0.00
79	T	2-Chlorotoluene	2.910	2.891	0.7	95	0.00
80	T	1,3,5-Trimethylbenzene	3.325	3.315	0.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.531	0.552	-4.0	97	0.00
82	T	4-Chlorotoluene	3.188	3.235	-1.5	95	0.00
83	T	tert-Butylbenzene	3.477	3.439	1.1	94	0.00
84	T	1,2,4-Trimethylbenzene	3.379	3.360	0.6	95	0.00
85	T	sec-Butylbenzene	4.048	4.135	-2.1	96	0.00
86	T	p-Isopropyltoluene	3.327	3.395	-2.0	95	0.00
87	T	1,3-Dichlorobenzene	1.656	1.705	-3.0	95	0.00
88	T	1,4-Dichlorobenzene	1.674	1.674	0.0	96	0.00
89	T	n-Butylbenzene	2.857	3.037	-6.3	98	0.00
90	T	Hexachloroethane	0.753	0.731	2.9	96	0.00
91	T	1,2-Dichlorobenzene	1.700	1.681	1.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.345	0.343	0.6	100	0.00
93	T	1,2,4-Trichlorobenzene	1.016	1.085	-6.8	95	0.00
94	T	Hexachlorobutadiene	0.399	0.422	-5.8	97	0.00
95	T	Naphthalene	3.920	4.148	-5.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.054	1.109	-5.2	95	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\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	56.549	-13.1	105	0.00
3	P	Chloromethane	50.000	47.763	4.5	92	0.00
4	C	Vinyl Chloride	50.000	49.839	0.3#	96	0.00
5	T	Bromomethane	50.000	50.031	-0.1	95	0.00
6	T	Chloroethane	50.000	49.624	0.8	105	0.00
7	T	Trichlorofluoromethane	50.000	51.789	-3.6	101	0.00
8	T	Diethyl Ether	50.000	47.479	5.0	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.271	-4.5	106	0.00
10	T	Methyl Iodide	50.000	51.350	-2.7	97	0.00
11	T	Tert butyl alcohol	250.000	248.503	0.6	104	0.00
12	CM	1,1-Dichloroethene	50.000	51.243	-2.5#	100	0.00
13	T	Acrolein	250.000	230.919	7.6	101	0.00
14	T	Allyl chloride	50.000	48.232	3.5	98	0.00
15	T	Acrylonitrile	250.000	259.942	-4.0	103	0.00
16	T	Acetone	250.000	266.735	-6.7	112	0.00
17	T	Carbon Disulfide	50.000	50.827	-1.7	99	0.00
18	T	Methyl Acetate	50.000	53.560	-7.1	105	0.00
19	T	Methyl tert-butyl Ether	50.000	50.389	-0.8	99	0.00
20	T	Methylene Chloride	50.000	48.076	3.8	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.846	2.3	99	0.00
22	T	Diisopropyl ether	50.000	50.659	-1.3	99	0.00
23	T	Vinyl Acetate	250.000	254.442	-1.8	100	0.00
24	P	1,1-Dichloroethane	50.000	50.150	-0.3	98	0.00
25	T	2-Butanone	250.000	265.596	-6.2	104	0.00
26	T	2,2-Dichloropropane	50.000	48.697	2.6	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.831	2.3	98	0.00
28	T	Bromochloromethane	50.000	49.545	0.9	96	0.00
29	T	Tetrahydrofuran	250.000	256.578	-2.6	103	0.00
30	C	Chloroform	50.000	50.304	-0.6#	98	0.00
31	T	Cyclohexane	50.000	52.878	-5.8	101	0.00
32	T	1,1,1-Trichloroethane	50.000	48.859	2.3	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.363	-4.7	100	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.683	-7.4	99	0.00
36	T	1,1-Dichloropropene	50.000	50.294	-0.6	100	0.00
37	T	Ethyl Acetate	50.000	54.526	-9.1	102	0.00
38	T	Carbon Tetrachloride	50.000	50.287	-0.6	100	-0.01
39	T	Methylcyclohexane	50.000	52.520	-5.0	103	0.00
40	TM	Benzene	50.000	50.610	-1.2	98	0.00
41	T	Methacrylonitrile	50.000	51.342	-2.7	102	0.00
42	TM	1,2-Dichloroethane	50.000	50.902	-1.8	98	0.00
43	T	Isopropyl Acetate	50.000	50.871	-1.7	99	0.00
44	TM	Trichloroethene	50.000	51.887	-3.8	100	0.00
45	C	1,2-Dichloropropane	50.000	51.011	-2.0#	98	0.00
46	T	Dibromomethane	50.000	49.939	0.1	98	0.00
47	T	Bromodichloromethane	50.000	50.029	-0.1	98	0.00
48	T	Methyl methacrylate	50.000	52.890	-5.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	992.095	0.8	97	0.00
50	S	Toluene-d8	50.000	53.113	-6.2	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.778	-0.7	99	0.00
52	CM	Toluene	50.000	49.955	0.1#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	51.300	-2.6	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.049	-2.1	99	0.00
55	T	1,1,2-Trichloroethane	50.000	50.085	-0.2	98	0.00
56	T	Ethyl methacrylate	50.000	50.595	-1.2	96	0.00
57	T	1,3-Dichloropropane	50.000	50.129	-0.3	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	251.852	-0.7	97	0.00
59	T	2-Hexanone	250.000	253.010	-1.2	99	0.00
60	T	Dibromochloromethane	50.000	49.957	0.1	96	0.00
61	T	1,2-Dibromoethane	50.000	49.693	0.6	97	0.00
62	S	4-Bromofluorobenzene	50.000	52.693	-5.4	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	53.384	-6.8	100	0.00
65	PM	Chlorobenzene	50.000	50.667	-1.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.129	-2.3	95	0.00
67	C	Ethyl Benzene	50.000	51.721	-3.4#	95	0.00
68	T	m/p-Xylenes	100.000	102.645	-2.6	95	0.00
69	T	o-Xylene	50.000	50.378	-0.8	93	0.00
70	T	Styrene	50.000	51.398	-2.8	94	0.00
71	P	Bromoform	50.000	51.597	-3.2	95	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	50.246	-0.5	95	0.00
74	T	N-amyl acetate	50.000	50.177	-0.4	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.002	2.0	96	0.00
76	T	1,2,3-Trichloropropane	50.000	50.004	-0.0	100	0.00
77	T	Bromobenzene	50.000	49.506	1.0	95	0.00
78	T	n-propylbenzene	50.000	51.712	-3.4	96	0.00
79	T	2-Chlorotoluene	50.000	49.678	0.6	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.852	0.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.981	-4.0	97	0.00
82	T	4-Chlorotoluene	50.000	50.750	-1.5	95	0.00
83	T	tert-Butylbenzene	50.000	49.459	1.1	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.714	0.6	95	0.00
85	T	sec-Butylbenzene	50.000	51.076	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.028	-2.1	95	0.00
87	T	1,3-Dichlorobenzene	50.000	51.476	-3.0	95	0.00
88	T	1,4-Dichlorobenzene	50.000	50.011	-0.0	96	0.00
89	T	n-Butylbenzene	50.000	53.136	-6.3	98	0.00
90	T	Hexachloroethane	50.000	48.518	3.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.430	1.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.672	0.7	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.362	-6.7	95	0.00
94	T	Hexachlorobutadiene	50.000	52.807	-5.6	97	0.00
95	T	Naphthalene	50.000	52.899	-5.8	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.611	-5.2	95	0.00

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

Raw Data: **VN085526.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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_N Calibration Date/Time: 01/28/2025 09:53

Lab File ID: VN085526.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.677	0.620		-8.42	20
Chloromethane	0.733	0.642	0.1	-12.41	20
Vinyl Chloride	0.737	0.665		-9.77	20
Ethyl Acetate	0.491	0.520		5.91	20
Bromomethane	0.445	0.389		-12.58	20
Chloroethane	0.467	0.439		-6	20
Trichlorofluoromethane	1.069	1.071		0.19	20
1,1,2-Trichlorotrifluoroethane	0.602	0.618		2.66	20
Tert butyl alcohol	0.092	0.108		17.39	20
1,1-Dichloroethene	0.537	0.526		-2.05	20
Acrolein	0.126	0.132		4.76	20
Acrylonitrile	0.294	0.306		4.08	20
Acetone	0.261	0.263		0.77	20
Carbon Disulfide	1.652	1.391		-15.8	20
Methyl tert-butyl Ether	1.742	1.940		11.37	20
Methyl Acetate	0.793	0.859		8.32	20
Methylene Chloride	0.646	0.645		-0.16	20
trans-1,2-Dichloroethene	0.573	0.570		-0.52	20
Vinyl Acetate	1.353	1.493		10.35	20
1,1-Dichloroethane	1.178	1.202	0.1	2.04	20
Cyclohexane	1.024	0.931		-9.08	20
2-Butanone	0.384	0.399		3.91	20
Carbon Tetrachloride	0.557	0.602		8.08	20
2,2-Dichloropropane	0.953	1.098		15.22	20
cis-1,2-Dichloroethene	0.675	0.700		3.7	20
Bromochloromethane	0.548	0.499		-8.94	20
Chloroform	1.218	1.248		2.46	20
1,1,1-Trichloroethane	1.068	1.105		3.46	20
Methylcyclohexane	0.457	0.513		12.25	20
1,1-Dichloropropene	0.487	0.512		5.13	20
Benzene	1.463	1.575		7.66	20
1,2-Dichloroethane	0.551	0.585		6.17	20
Trichloroethene	0.341	0.359		5.28	20
1,2-Dichloropropane	0.374	0.407		8.82	20
Dibromomethane	0.270	0.287		6.3	20
Bromodichloromethane	0.549	0.613		11.66	20
4-Methyl-2-Pentanone	0.457	0.535		17.07	20
Toluene	0.848	0.975		14.98	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: **VN085526.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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_N Calibration Date/Time: 01/28/2025 09:53

Lab File ID: VN085526.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.519	0.611		17.73	20
cis-1,3-Dichloropropene	0.554	0.639		15.34	20
1,1,2-Trichloroethane	0.335	0.375		11.94	20
1,3-Dichloropropane	0.583	0.657		12.69	20
2-Chloroethyl Vinyl ether	0.213	0.256		20.19	20
2-Hexanone	0.321	0.386		20.25	20
Dibromochloromethane	0.405	0.460		13.58	20
1,2-Dibromoethane	0.334	0.366		9.58	20
Tetrachloroethene	0.341	0.361		5.86	20
Chlorobenzene	1.095	1.171	0.3	6.94	20
1,1,1,2-Tetrachloroethane	0.402	0.430		6.97	20
Hexachloroethane	0.618	0.625		1.13	20
Ethyl Benzene	1.784	2.053		15.08	20
m/p-Xylenes	0.659	0.785		19.12	20
o-Xylene	0.630	0.739		17.3	20
Styrene	1.043	1.279		22.63	20
Bromoform	0.288	0.334	0.1	15.97	20
Isopropylbenzene	3.375	3.736		10.7	20
1,1,2,2-Tetrachloroethane	1.192	1.170	0.3	-1.85	20
1,2,3-Trichloropropane	1.016	0.945		-6.99	20
Bromobenzene	0.882	0.891		1.02	20
n-propylbenzene	3.995	4.503		12.72	20
2-Chlorotoluene	2.586	2.728		5.49	20
1,3,5-Trimethylbenzene	2.787	3.177		13.99	20
4-Chlorotoluene	2.574	2.778		7.93	20
tert-Butylbenzene	2.341	2.605		11.28	20
1,2,4-Trimethylbenzene	2.778	3.219		15.88	20
sec-Butylbenzene	3.244	3.731		15.01	20
p-Isopropyltoluene	2.631	3.155		19.92	20
1,3-Dichlorobenzene	1.624	1.699		4.62	20
1,4-Dichlorobenzene	1.683	1.700		1.01	20
n-Butylbenzene	2.327	2.700		16.03	20
1,2-Dichlorobenzene	1.620	1.644		1.48	20
1,2-Dibromo-3-Chloropropane	0.218	0.225		3.21	20
1,2,4-Trichlorobenzene	0.753	0.817		8.5	20
Hexachlorobutadiene	0.400	0.410		2.5	20
Naphthalene	2.246	2.357		4.94	20
1,2,3-Trichlorobenzene	0.762	0.780		2.36	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_N Calibration Date/Time: 01/28/2025 09:53

Lab File ID: VN085526.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.807	0.777		-3.72	20
Dibromofluoromethane	0.347	0.355		2.31	20
Toluene-d8	1.232	1.296		5.2	20
4-Bromofluorobenzene	0.422	0.467		10.66	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_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	203638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	333806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	302551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158323	48.164	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.320%			
35) Dibromofluoromethane	8.159	113	118662	51.240	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.480%			
50) Toluene-d8	10.565	98	432537	52.569	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.140%			
62) 4-Bromofluorobenzene	12.847	95	155870	55.379	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	126280	45.800	ug/l	98
3) Chloromethane	2.359	50	130825	43.823	ug/l	99
4) Vinyl Chloride	2.512	62	135494	45.155	ug/l	98
5) Bromomethane	2.948	94	79311	43.757	ug/l	98
6) Chloroethane	3.118	64	89399	46.993	ug/l	100
7) Trichlorofluoromethane	3.495	101	218167	50.109	ug/l	99
8) Diethyl Ether	3.959	74	73428	48.819	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	125888	51.335	ug/l	99
10) Methyl Iodide	4.583	142	144081	51.306	ug/l	97
11) Tert butyl alcohol	5.518	59	110319	293.091	ug/l	100
12) 1,1-Dichloroethene	4.336	96	107139	49.022	ug/l	98
13) Acrolein	4.171	56	134509	261.783	ug/l	100
14) Allyl chloride	5.018	41	172649	48.683	ug/l	98
15) Acrylonitrile	5.712	53	312035	260.994	ug/l	99
16) Acetone	4.418	43	267575	251.929	ug/l	97
17) Carbon Disulfide	4.712	76	283263	42.095	ug/l	98
18) Methyl Acetate	5.018	43	174889	54.151	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	395014	55.663	ug/l	98
20) Methylene Chloride	5.277	84	131284	49.931	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	116065	49.692	ug/l	97
22) Diisopropyl ether	6.665	45	426926	54.237	ug/l	98
23) Vinyl Acetate	6.600	43	1520538	276.027	ug/l	99
24) 1,1-Dichloroethane	6.565	63	244849	51.014	ug/l	98
25) 2-Butanone	7.477	43	406723	260.223	ug/l	100
26) 2,2-Dichloropropane	7.483	77	223673	57.640	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	142501	51.799	ug/l	99
28) Bromochloromethane	7.812	49	101613	45.505	ug/l	98
29) Tetrahydrofuran	7.830	42	272222	274.712	ug/l	100
30) Chloroform	7.959	83	254209	51.246	ug/l	100
31) Cyclohexane	8.253	56	189607	45.451	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	225078	51.727	ug/l	98
36) 1,1-Dichloropropene	8.365	75	170755	52.537	ug/l	99
37) Ethyl Acetate	7.553	43	173618	52.923	ug/l	97
38) Carbon Tetrachloride	8.359	117	200977	54.013	ug/l	99
39) Methylcyclohexane	9.600	83	171154	56.039	ug/l	99
40) Benzene	8.600	78	525669	53.828	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	95095	55.717 ug/l	99
42) 1,2-Dichloroethane	8.665	62	195201	53.072 ug/l	99
43) Isopropyl Acetate	8.683	43	287826	54.755 ug/l	100
44) Trichloroethene	9.347	130	119734	52.672 ug/l	95
45) 1,2-Dichloropropane	9.618	63	135814	54.447 ug/l	97
46) Dibromomethane	9.706	93	95715	53.179 ug/l	99
47) Bromodichloromethane	9.883	83	204517	55.774 ug/l	99
48) Methyl methacrylate	9.677	41	136479	57.693 ug/l	97
49) 1,4-Dioxane	9.688	88	40607	1019.345 ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	892528	292.599 ug/l	100
52) Toluene	10.630	92	325356	57.499 ug/l	100
53) t-1,3-Dichloropropene	10.830	75	204105	58.899 ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	213245	57.610 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	125068	55.851 ug/l	98
56) Ethyl methacrylate	10.871	69	191924	50.844 ug/l	99
57) 1,3-Dichloropropane	11.159	76	219323	56.327 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	426978	300.465 ug/l	99
59) 2-Hexanone	11.194	43	643969	300.034 ug/l	99
60) Dibromochloromethane	11.359	129	153599	56.815 ug/l	99
61) 1,2-Dibromoethane	11.465	107	122098	54.776 ug/l	97
64) Tetrachloroethene	11.100	164	109264	52.974 ug/l	98
65) Chlorobenzene	11.888	112	354308	53.457 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	130012	53.447 ug/l	99
67) Ethyl Benzene	11.959	91	621051	57.531 ug/l	99
68) m/p-Xylenes	12.065	106	475266	119.124 ug/l	99
69) o-Xylene	12.394	106	223578	58.639 ug/l	100
70) Styrene	12.406	104	387081	61.343 ug/l	99
71) Bromoform	12.576	173	101032	58.046 ug/l #	99
73) Isopropylbenzene	12.694	105	581759	55.357 ug/l	100
74) N-amyl acetate	12.494	43	249973	52.919 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	182235	49.089 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	147100m	46.478 ug/l	
77) Bromobenzene	12.976	156	138788	50.547 ug/l	99
78) n-propylbenzene	13.035	91	701218	56.362 ug/l	100
79) 2-Chlorotoluene	13.123	91	424851	52.764 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	494666	56.984 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	63601	54.370 ug/l	92
82) 4-Chlorotoluene	13.218	91	432608	53.960 ug/l	98
83) tert-Butylbenzene	13.435	119	405613	55.641 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	501298	57.941 ug/l	100
85) sec-Butylbenzene	13.612	105	580942	57.499 ug/l	100
86) p-Isopropyltoluene	13.729	119	491281	53.532 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	264631	52.335 ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	264719	50.507 ug/l	98
89) n-Butylbenzene	14.053	91	420498	58.013 ug/l	99
90) Hexachloroethane	14.329	117	97383	50.630 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	255916	50.739 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	34993	51.620 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	127164	54.246 ug/l	100
94) Hexachlorobutadiene	15.500	225	63906	51.348 ug/l	99
95) Naphthalene	15.641	128	367063	52.473 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	121516	51.230 ug/l	99

Sample Results: **VN085526.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

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

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

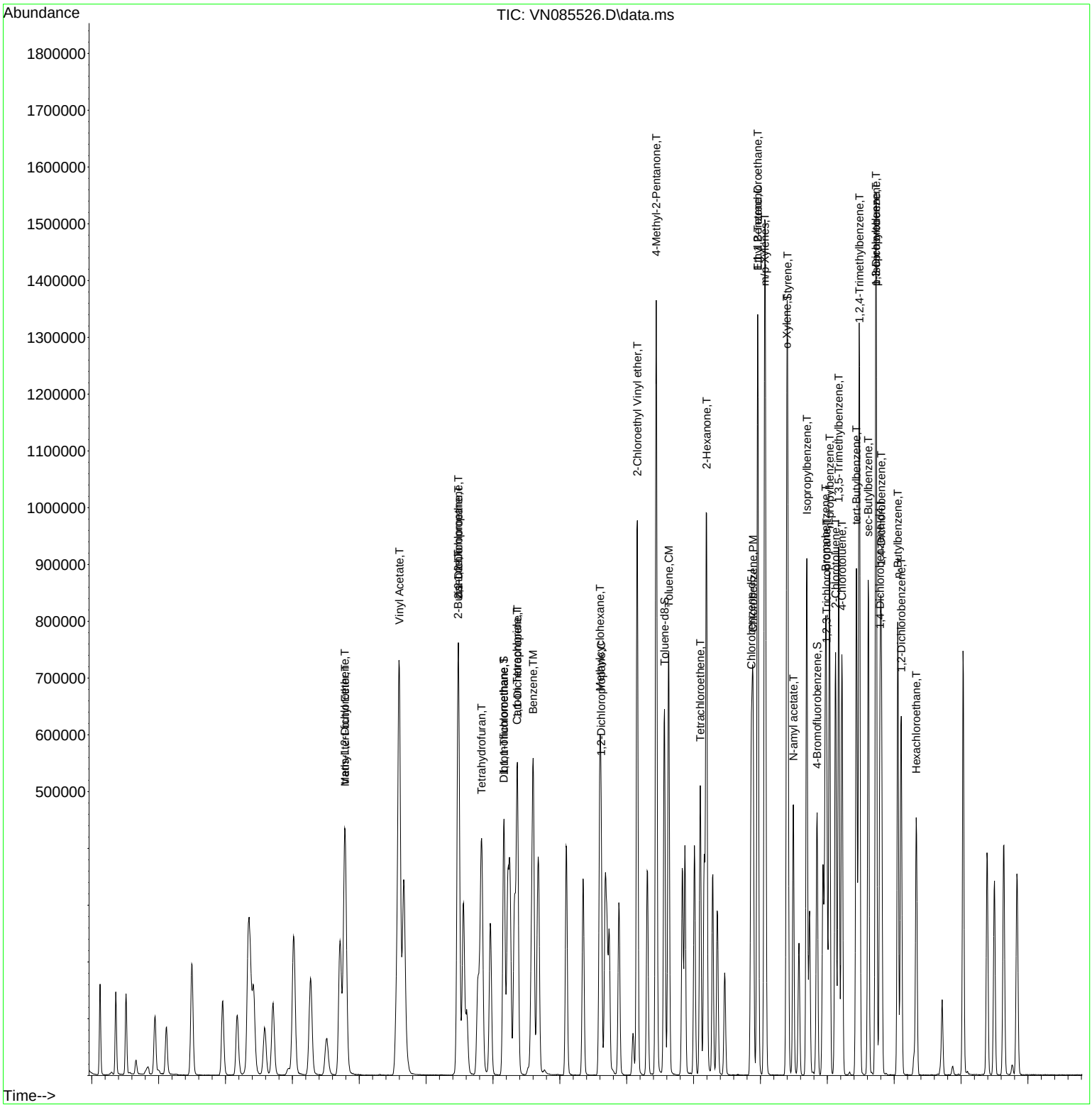
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025



Evaluate Continuing Calibration Report

Sample Results: **VN085526.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	0.677	0.620	8.4	101	0.00
3	P	Chloromethane	0.733	0.642	12.4	96	0.00
4	C	Vinyl Chloride	0.737	0.665	9.8#	99	0.00
5	T	Bromomethane	0.445	0.389	12.6	95	0.00
6	T	Chloroethane	0.467	0.439	6.0	106	0.00
7	T	Trichlorofluoromethane	1.069	1.071	-0.2	110	0.00
8	T	Diethyl Ether	0.369	0.361	2.2	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.618	-2.7	116	0.00
10	T	Methyl Iodide	0.690	0.708	-2.6	100	0.00
11	T	Tert butyl alcohol	0.092	0.108	-17.4	119	0.00
12	CM	1,1-Dichloroethene	0.537	0.526	2.0#	101	0.00
13	T	Acrolein	0.126	0.132	-4.8	97	0.00
14	T	Allyl chloride	0.871	0.848	2.6	102	0.00
15	T	Acrylonitrile	0.294	0.306	-4.1	105	0.00
16	T	Acetone	0.261	0.263	-0.8	106	0.00
17	T	Carbon Disulfide	1.652	1.391	15.8	96	0.00
18	T	Methyl Acetate	0.793	0.859	-8.3	111	0.00
19	T	Methyl tert-butyl Ether	1.742	1.940	-11.4	106	0.00
20	T	Methylene Chloride	0.646	0.645	0.2	105	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.570	0.5	105	0.00
22	T	Diisopropyl ether	1.933	2.096	-8.4	105	0.00
23	T	Vinyl Acetate	1.353	1.493	-10.3	102	0.00
24	P	1,1-Dichloroethane	1.178	1.202	-2.0	105	0.00
25	T	2-Butanone	0.384	0.399	-3.9	105	0.00
26	T	2,2-Dichloropropane	0.953	1.098	-15.2	120	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.700	-3.7	105	0.00
28	T	Bromochloromethane	0.548	0.499	8.9	94	0.00
29	T	Tetrahydrofuran	0.243	0.267	-9.9	105	0.00
30	C	Chloroform	1.218	1.248	-2.5#	109	0.00
31	T	Cyclohexane	1.024	0.931	9.1	108	0.00
32	T	1,1,1-Trichloroethane	1.068	1.105	-3.5	111	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.777	3.7	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.347	0.355	-2.3	98	0.00
36	T	1,1-Dichloropropene	0.487	0.512	-5.1	109	0.00
37	T	Ethyl Acetate	0.491	0.520	-5.9	105	0.00
38	T	Carbon Tetrachloride	0.557	0.602	-8.1	112	0.00
39	T	Methylcyclohexane	0.457	0.513	-12.3	109	0.00
40	TM	Benzene	1.463	1.575	-7.7	107	0.00
41	T	Methacrylonitrile	0.256	0.285	-11.3	104	0.00
42	TM	1,2-Dichloroethane	0.551	0.585	-6.2	105	0.00
43	T	Isopropyl Acetate	0.787	0.862	-9.5	104	0.00
44	TM	Trichloroethene	0.341	0.359	-5.3	109	0.00
45	C	1,2-Dichloropropane	0.374	0.407	-8.8#	108	0.00
46	T	Dibromomethane	0.270	0.287	-6.3	106	0.00
47	T	Bromodichloromethane	0.549	0.613	-11.7	108	0.00
48	T	Methyl methacrylate	0.354	0.409	-15.5	102	0.00

Sample Results: **VN085526.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	94	0.00
50	S	Toluene-d8	1.232	1.296	-5.2	100	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.535	-17.1	107	0.00
52	CM	Toluene	0.848	0.975	-15.0#	110	0.00
53	T	t-1,3-Dichloropropene	0.519	0.611	-17.7	109	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.639	-15.3	107	0.00
55	T	1,1,2-Trichloroethane	0.335	0.375	-11.9	108	0.00
56	T	Ethyl methacrylate	0.469	0.575	-22.6	104	0.00
57	T	1,3-Dichloropropane	0.583	0.657	-12.7	107	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.256	-20.2	104	0.00
59	T	2-Hexanone	0.321	0.386	-20.2	106	0.00
60	T	Dibromochloromethane	0.405	0.460	-13.6	109	0.00
61	T	1,2-Dibromoethane	0.334	0.366	-9.6	108	0.00
62	S	4-Bromofluorobenzene	0.422	0.467	-10.7	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64	T	Tetrachloroethene	0.341	0.361	-5.9	114	0.00
65	PM	Chlorobenzene	1.095	1.171	-6.9	111	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.430	-7.0	112	0.00
67	C	Ethyl Benzene	1.784	2.053	-15.1#	112	0.00
68	T	m/p-Xylenes	0.659	0.785	-19.1	113	0.00
69	T	o-Xylene	0.630	0.739	-17.3	110	0.00
70	T	Styrene	1.043	1.279	-22.6	111	0.00
71	P	Bromoform	0.288	0.334	-16.0	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73	T	Isopropylbenzene	3.375	3.736	-10.7	115	0.00
74	T	N-amyl acetate	1.517	1.605	-5.8	105	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.170	1.8	109	0.00
76	T	1,2,3-Trichloropropane	1.016	0.945	7.0	112	0.00
77	T	Bromobenzene	0.882	0.891	-1.0	110	0.00
78	T	n-propylbenzene	3.995	4.503	-12.7	115	0.00
79	T	2-Chlorotoluene	2.586	2.728	-5.5	112	0.00
80	T	1,3,5-Trimethylbenzene	2.787	3.177	-14.0	115	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.408	-8.5	111	0.00
82	T	4-Chlorotoluene	2.574	2.778	-7.9	114	0.00
83	T	tert-Butylbenzene	2.341	2.605	-11.3	113	0.00
84	T	1,2,4-Trimethylbenzene	2.778	3.219	-15.9	113	0.00
85	T	sec-Butylbenzene	3.244	3.731	-15.0	116	0.00
86	T	p-Isopropyltoluene	2.631	3.155	-19.9	117	0.00
87	T	1,3-Dichlorobenzene	1.624	1.699	-4.6	115	0.00
88	T	1,4-Dichlorobenzene	1.683	1.700	-1.0	116	0.00
89	T	n-Butylbenzene	2.327	2.700	-16.0	115	0.00
90	T	Hexachloroethane	0.618	0.625	-1.1	115	0.00
91	T	1,2-Dichlorobenzene	1.620	1.644	-1.5	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.225	-3.2	108	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.817	-8.5	111	0.00
94	T	Hexachlorobutadiene	0.400	0.410	-2.5	119	0.00
95	T	Naphthalene	2.246	2.357	-4.9	101	0.00

Sample Results: **VN085526.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.762	0.780	-2.4	105	0.00

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

Sample Results: **VN085526.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	50.000	45.800	8.4	101	0.00
3	P	Chloromethane	50.000	43.823	12.4	96	0.00
4	C	Vinyl Chloride	50.000	45.155	9.7#	99	0.00
5	T	Bromomethane	50.000	43.757	12.5	95	0.00
6	T	Chloroethane	50.000	46.993	6.0	106	0.00
7	T	Trichlorofluoromethane	50.000	50.109	-0.2	110	0.00
8	T	Diethyl Ether	50.000	48.819	2.4	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.335	-2.7	116	0.00
10	T	Methyl Iodide	50.000	51.306	-2.6	100	0.00
11	T	Tert butyl alcohol	250.000	293.091	-17.2	119	0.00
12	CM	1,1-Dichloroethene	50.000	49.022	2.0#	101	0.00
13	T	Acrolein	250.000	261.783	-4.7	97	0.00
14	T	Allyl chloride	50.000	48.683	2.6	102	0.00
15	T	Acrylonitrile	250.000	260.994	-4.4	105	0.00
16	T	Acetone	250.000	251.929	-0.8	106	0.00
17	T	Carbon Disulfide	50.000	42.095	15.8	96	0.00
18	T	Methyl Acetate	50.000	54.151	-8.3	111	0.00
19	T	Methyl tert-butyl Ether	50.000	55.663	-11.3	106	0.00
20	T	Methylene Chloride	50.000	49.931	0.1	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.692	0.6	105	0.00
22	T	Diisopropyl ether	50.000	54.237	-8.5	105	0.00
23	T	Vinyl Acetate	250.000	276.027	-10.4	102	0.00
24	P	1,1-Dichloroethane	50.000	51.014	-2.0	105	0.00
25	T	2-Butanone	250.000	260.223	-4.1	105	0.00
26	T	2,2-Dichloropropane	50.000	57.640	-15.3	120	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.799	-3.6	105	0.00
28	T	Bromochloromethane	50.000	45.505	9.0	94	0.00
29	T	Tetrahydrofuran	250.000	274.712	-9.9	105	0.00
30	C	Chloroform	50.000	51.246	-2.5#	109	0.00
31	T	Cyclohexane	50.000	45.451	9.1	108	0.00
32	T	1,1,1-Trichloroethane	50.000	51.727	-3.5	111	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.164	3.7	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	51.240	-2.5	98	0.00
36	T	1,1-Dichloropropene	50.000	52.537	-5.1	109	0.00
37	T	Ethyl Acetate	50.000	52.923	-5.8	105	0.00
38	T	Carbon Tetrachloride	50.000	54.013	-8.0	112	0.00
39	T	Methylcyclohexane	50.000	56.039	-12.1	109	0.00
40	TM	Benzene	50.000	53.828	-7.7	107	0.00
41	T	Methacrylonitrile	50.000	55.717	-11.4	104	0.00
42	TM	1,2-Dichloroethane	50.000	53.072	-6.1	105	0.00
43	T	Isopropyl Acetate	50.000	54.755	-9.5	104	0.00
44	TM	Trichloroethene	50.000	52.672	-5.3	109	0.00
45	C	1,2-Dichloropropane	50.000	54.447	-8.9#	108	0.00
46	T	Dibromomethane	50.000	53.179	-6.4	106	0.00
47	T	Bromodichloromethane	50.000	55.774	-11.5	108	0.00
48	T	Methyl methacrylate	50.000	57.693	-15.4	102	0.00

Sample Results: **VN085526.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1019.345	-1.9	94	0.00
50	S	Toluene-d8	50.000	52.569	-5.1	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	292.599	-17.0	107	0.00
52	CM	Toluene	50.000	57.499	-15.0#	110	0.00
53	T	t-1,3-Dichloropropene	50.000	58.899	-17.8	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.610	-15.2	107	0.00
55	T	1,1,2-Trichloroethane	50.000	55.851	-11.7	108	0.00
56	T	Ethyl methacrylate	50.000	50.844	-1.7	104	0.00
57	T	1,3-Dichloropropane	50.000	56.327	-12.7	107	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	300.465	-20.2	104	0.00
59	T	2-Hexanone	250.000	300.034	-20.0	106	0.00
60	T	Dibromochloromethane	50.000	56.815	-13.6	109	0.00
61	T	1,2-Dibromoethane	50.000	54.776	-9.6	108	0.00
62	S	4-Bromofluorobenzene	50.000	55.379	-10.8	102	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64	T	Tetrachloroethene	50.000	52.974	-5.9	114	0.00
65	PM	Chlorobenzene	50.000	53.457	-6.9	111	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.447	-6.9	112	0.00
67	C	Ethyl Benzene	50.000	57.531	-15.1#	112	0.00
68	T	m/p-Xylenes	100.000	119.124	-19.1	113	0.00
69	T	o-Xylene	50.000	58.639	-17.3	110	0.00
70	T	Styrene	50.000	61.343	-22.7	111	0.00
71	P	Bromoform	50.000	58.046	-16.1	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73	T	Isopropylbenzene	50.000	55.357	-10.7	115	0.00
74	T	N-amyl acetate	50.000	52.919	-5.8	105	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.089	1.8	109	0.00
76	T	1,2,3-Trichloropropane	50.000	46.478	7.0	112	0.00
77	T	Bromobenzene	50.000	50.547	-1.1	110	0.00
78	T	n-propylbenzene	50.000	56.362	-12.7	115	0.00
79	T	2-Chlorotoluene	50.000	52.764	-5.5	112	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.984	-14.0	115	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.370	-8.7	111	0.00
82	T	4-Chlorotoluene	50.000	53.960	-7.9	114	0.00
83	T	tert-Butylbenzene	50.000	55.641	-11.3	113	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.941	-15.9	113	0.00
85	T	sec-Butylbenzene	50.000	57.499	-15.0	116	0.00
86	T	p-Isopropyltoluene	50.000	53.532	-7.1	117	0.00
87	T	1,3-Dichlorobenzene	50.000	52.335	-4.7	115	0.00
88	T	1,4-Dichlorobenzene	50.000	50.507	-1.0	116	0.00
89	T	n-Butylbenzene	50.000	58.013	-16.0	115	0.00
90	T	Hexachloroethane	50.000	50.630	-1.3	115	0.00
91	T	1,2-Dichlorobenzene	50.000	50.739	-1.5	112	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.620	-3.2	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.246	-8.5	111	0.00
94	T	Hexachlorobutadiene	50.000	51.348	-2.7	119	0.00
95	T	Naphthalene	50.000	52.473	-4.9	101	0.00

Sample Results: **VN085526.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085526.D
Acq On : 28 Jan 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jan 29 00:33:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.230	-2.5	105	0.00

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

Raw Data: **VX044711.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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.673	0.648		-3.71	20
Chloromethane	0.728	0.776	0.1	6.59	20
Vinyl Chloride	0.719	0.750		4.31	20
Ethyl Acetate	0.471	0.505		7.22	20
Bromomethane	0.172	0.181		5.23	20
Chloroethane	0.132	0.178		34.85	20
Trichlorofluoromethane	0.795	0.780		-1.89	20
1,1,2-Trichlorotrifluoroethane	0.597	0.612		2.51	20
Tert butyl alcohol	0.168	0.154		-8.33	20
1,1-Dichloroethene	0.585	0.612		4.61	20
Acrolein	0.079	0.172		117.72	20
Acrylonitrile	0.330	0.353		6.97	20
Acetone	0.299	0.288		-3.68	20
Carbon Disulfide	1.598	1.689		5.76	20
Methyl tert-butyl Ether	2.121	2.198		3.63	20
Methyl Acetate	0.921	0.984		6.84	20
Methylene Chloride	0.695	0.734		5.61	20
trans-1,2-Dichloroethene	0.611	0.618		1.15	20
Vinyl Acetate	1.734	1.892		9.11	20
1,1-Dichloroethane	1.175	1.237	0.1	5.28	20
Cyclohexane	0.950	1.026		8	20
2-Butanone	0.444	0.470		5.86	20
Carbon Tetrachloride	0.497	0.453		-8.85	20
2,2-Dichloropropane	1.139	1.056		-7.29	20
cis-1,2-Dichloroethene	0.769	0.785		2.08	20
Bromochloromethane	0.549	0.566		3.1	20
Chloroform	1.186	1.204		1.52	20
1,1,1-Trichloroethane	1.090	0.992		-8.99	20
Methylcyclohexane	0.587	0.601		2.38	20
1,1-Dichloropropene	0.442	0.433		-2.04	20
Benzene	1.370	1.421		3.72	20
1,2-Dichloroethane	0.500	0.487		-2.6	20
Trichloroethene	0.329	0.332		0.91	20
1,2-Dichloropropane	0.345	0.367		6.38	20
Dibromomethane	0.263	0.264		0.38	20
Bromodichloromethane	0.538	0.535		-0.56	20
4-Methyl-2-Pentanone	0.479	0.506		5.64	20
Toluene	0.839	0.864		2.98	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: **VX044711.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.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.556	0.582		4.68	20
cis-1,3-Dichloropropene	0.603	0.618		2.49	20
1,1,2-Trichloroethane	0.339	0.351		3.54	20
1,3-Dichloropropane	0.578	0.609		5.36	20
2-Chloroethyl Vinyl ether	0.286	0.283		-1.05	20
2-Hexanone	0.352	0.364		3.41	20
Dibromochloromethane	0.398	0.411		3.27	20
1,2-Dibromoethane	0.356	0.365		2.53	20
Tetrachloroethene	0.314	0.305		-2.87	20
Chlorobenzene	1.062	1.085	0.3	2.17	20
1,1,1,2-Tetrachloroethane	0.386	0.375		-2.85	20
Hexachloroethane	0.753	0.692		-8.1	20
Ethyl Benzene	1.853	1.874		1.13	20
m/p-Xylenes	0.688	0.702		2.04	20
o-Xylene	0.695	0.695		0	20
Styrene	1.123	1.192		6.14	20
Bromoform	0.314	0.313	0.1	-0.32	20
Isopropylbenzene	4.085	3.903		-4.45	20
1,1,2,2-Tetrachloroethane	1.411	1.377	0.3	-2.41	20
1,2,3-Trichloropropane	1.213	1.160		-4.37	20
Bromobenzene	0.955	0.950		-0.52	20
n-propylbenzene	4.505	4.572		1.49	20
2-Chlorotoluene	2.910	2.832		-2.68	20
1,3,5-Trimethylbenzene	3.325	3.272		-1.59	20
4-Chlorotoluene	3.188	3.225		1.16	20
tert-Butylbenzene	3.477	3.268		-6.01	20
1,2,4-Trimethylbenzene	3.379	3.287		-2.72	20
sec-Butylbenzene	4.048	3.992		-1.38	20
p-Isopropyltoluene	3.327	3.290		-1.11	20
1,3-Dichlorobenzene	1.656	1.722		3.99	20
1,4-Dichlorobenzene	1.674	1.716		2.51	20
n-Butylbenzene	2.857	3.006		5.22	20
1,2-Dichlorobenzene	1.700	1.665		-2.06	20
1,2-Dibromo-3-Chloropropane	0.345	0.282		-18.26	20
1,2,4-Trichlorobenzene	1.016	1.073		5.61	20
Hexachlorobutadiene	0.399	0.395		-1	20
Naphthalene	3.920	3.936		0.41	20
1,2,3-Trichlorobenzene	1.054	1.088		3.23	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1180 SAS No.: Q1180 SDG No.: Q1180

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.755	0.714		-5.43	20
Dibromofluoromethane	0.318	0.317		-0.31	20
Toluene-d8	1.108	1.118		0.9	20
4-Bromofluorobenzene	0.413	0.422		2.18	20

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

Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	172369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	277935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123157	47.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.680%			
35) Dibromofluoromethane	5.373	113	100788	49.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.641	98	355984	50.477	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	134456	51.142	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	111623	48.124	ug/l	97
3) Chloromethane	1.294	50	133778	53.335	ug/l	100
4) Vinyl Chloride	1.374	62	129310	52.177	ug/l	100
5) Bromomethane	1.593	94	31277	52.854	ug/l	97
6) Chloroethane	1.660	64	30670m	67.485	ug/l	
7) Trichlorofluoromethane	1.867	101	134485	49.099	ug/l	98
8) Diethyl Ether	2.130	74	47069	42.582	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	105487	51.232	ug/l	99
10) Methyl Iodide	2.440	142	140845	50.103	ug/l	97
11) Tert butyl alcohol	2.971	59	133032m	229.357	ug/l	
12) 1,1-Dichloroethene	2.312	96	105513	52.279	ug/l	92
13) Acrolein	2.233	56	148664	544.657	ug/l	99
14) Allyl chloride	2.654	41	200142	50.932	ug/l	97
15) Acrylonitrile	3.056	53	304312	267.495	ug/l	98
16) Acetone	2.379	43	247835	240.764	ug/l	96
17) Carbon Disulfide	2.501	76	291079	52.854	ug/l	99
18) Methyl Acetate	2.696	43	169609	53.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	378923	51.834	ug/l	100
20) Methylene Chloride	2.782	84	126568	52.799	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106458	50.522	ug/l	96
22) Diisopropyl ether	3.751	45	382549	56.003	ug/l	98
23) Vinyl Acetate	3.715	43	1630552	272.725	ug/l	100
24) 1,1-Dichloroethane	3.599	63	213198	52.632	ug/l	100
25) 2-Butanone	4.550	43	404966	264.600	ug/l	99
26) 2,2-Dichloropropane	4.464	77	181991	46.357	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	135384	51.078	ug/l	99
28) Bromochloromethane	4.885	49	97603	51.564	ug/l	98
29) Tetrahydrofuran	4.995	42	260029	263.398	ug/l	98
30) Chloroform	5.080	83	207551	50.771	ug/l	96
31) Cyclohexane	5.452	56	176773	53.957	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	170957	45.490	ug/l	99
36) 1,1-Dichloropropene	5.684	75	137792	48.940	ug/l	99
37) Ethyl Acetate	4.702	43	160916	53.669	ug/l	99
38) Carbon Tetrachloride	5.665	117	144163	45.521	ug/l	98
39) Methylcyclohexane	7.372	83	191285	51.179	ug/l	98
40) Benzene	6.025	78	452521	51.868	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91356	52.289	ug/l		98
42) 1,2-Dichloroethane	6.074	62	155155	48.725	ug/l		100
43) Isopropyl Acetate	6.330	43	284981	51.667	ug/l		100
44) Trichloroethene	7.116	130	105738	50.413	ug/l		98
45) 1,2-Dichloropropane	7.421	63	116931	53.245	ug/l		98
46) Dibromomethane	7.574	93	83999	50.244	ug/l		100
47) Bromodichloromethane	7.811	83	170245	49.656	ug/l		98
48) Methyl methacrylate	7.683	41	137818	53.829	ug/l		99
49) 1,4-Dioxane	7.665	88	52981	991.841	ug/l		99
51) 4-Methyl-2-Pentanone	8.567	43	805406	264.229	ug/l		100
52) Toluene	8.714	92	275176	51.531	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	185440	52.351	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	196861	51.254	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	111881	51.785	ug/l		99
56) Ethyl methacrylate	9.110	69	196250	52.829	ug/l		99
57) 1,3-Dichloropropane	9.305	76	193983	52.726	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	450749	247.155	ug/l		98
59) 2-Hexanone	9.427	43	578675	258.046	ug/l		99
60) Dibromochloromethane	9.518	129	130942	51.638	ug/l		99
61) 1,2-Dibromoethane	9.604	107	116099	51.277	ug/l		99
64) Tetrachloroethene	9.268	164	84859	48.623	ug/l		98
65) Chlorobenzene	10.073	112	301484	51.069	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	104268	48.599	ug/l		98
67) Ethyl Benzene	10.189	91	520975	50.576	ug/l		98
68) m/p-Xylenes	10.299	106	390083	102.049	ug/l		99
69) o-Xylene	10.640	106	193241	49.989	ug/l		99
70) Styrene	10.652	104	331210	53.068	ug/l		98
71) Bromoform	10.799	173	86906	49.769	ug/l	#	98
73) Isopropylbenzene	10.957	105	480397	47.772	ug/l		100
74) N-amyl acetate	10.841	43	240430	48.507	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	169562	48.822	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	142785m	47.797	ug/l		
77) Bromobenzene	11.195	156	116886	49.729	ug/l		99
78) n-propylbenzene	11.299	91	562742	50.743	ug/l		100
79) 2-Chlorotoluene	11.360	91	348599	48.661	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	402748	49.198	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	64582	49.439	ug/l		98
82) 4-Chlorotoluene	11.451	91	396992	50.588	ug/l		99
83) tert-Butylbenzene	11.713	119	402232	46.992	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	404571	48.633	ug/l		99
85) sec-Butylbenzene	11.890	105	491434	49.309	ug/l		99
86) p-Isopropyltoluene	12.006	119	404929	49.439	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	212027	52.016	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	211171	51.247	ug/l		98
89) n-Butylbenzene	12.329	91	370043	52.602	ug/l		99
90) Hexachloroethane	12.536	117	85234	45.956	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	205003	48.972	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34674	40.823	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	132044	52.765	ug/l		99
94) Hexachlorobutadiene	13.725	225	48609	49.450	ug/l		98
95) Naphthalene	13.774	128	484495	50.197	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	133922	51.628	ug/l		100

Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

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

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

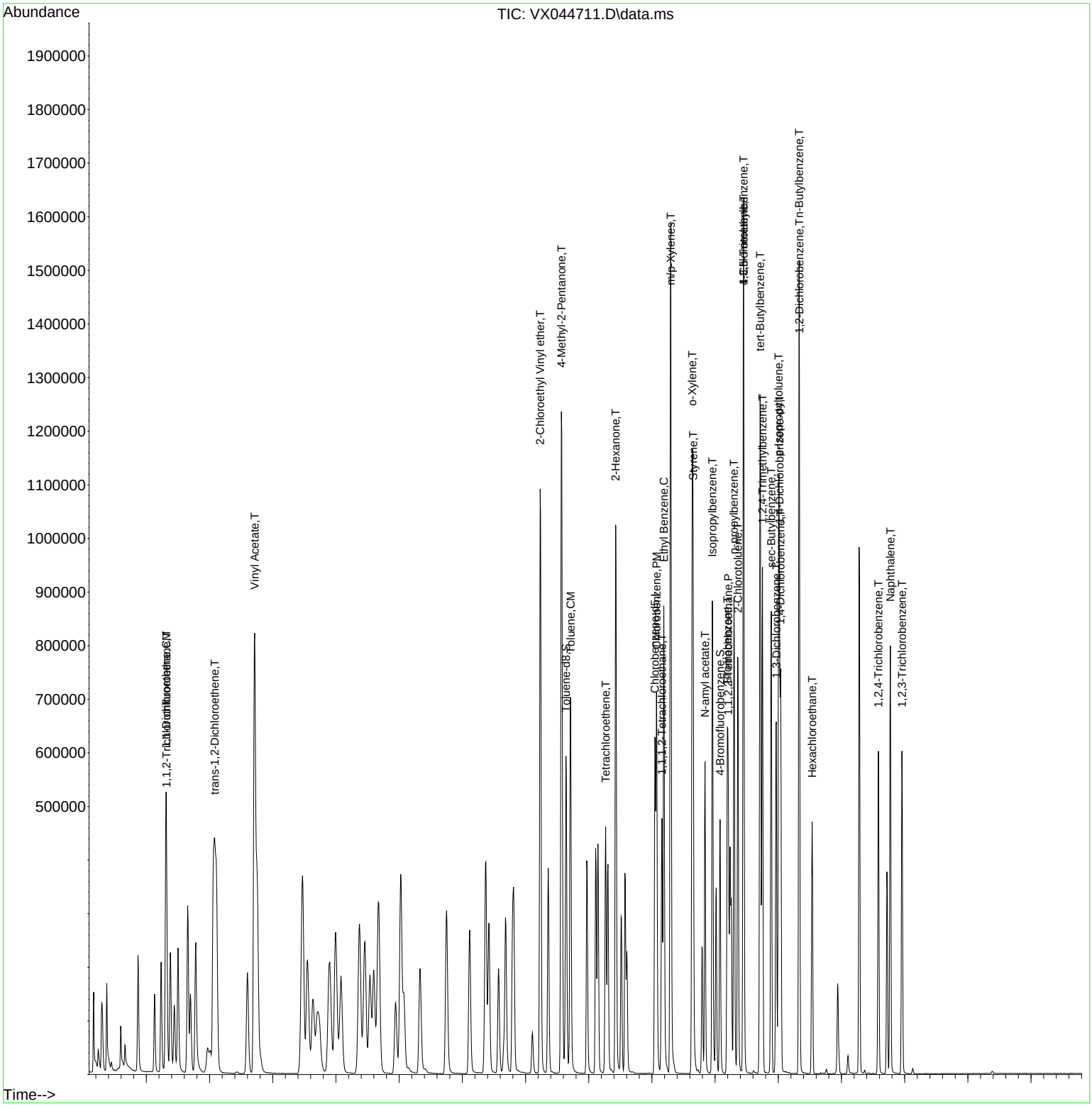
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	0.673	0.648	3.7	86	0.00
3	P	Chloromethane	0.728	0.776	-6.6	99	0.00
4	C	Vinyl Chloride	0.719	0.750	-4.3#	96	0.00
5	T	Bromomethane	0.172	0.181	-5.2	96	0.00
6	T	Chloroethane	0.132	0.178	-34.8#	137	0.00
7	T	Trichlorofluoromethane	0.795	0.780	1.9	92	0.00
8	T	Diethyl Ether	0.321	0.273	15.0	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.597	0.612	-2.5	100	0.00
10	T	Methyl Iodide	0.815	0.817	-0.2	91	0.00
11	T	Tert butyl alcohol	0.168	0.154	8.3	92	-0.01
12	CM	1,1-Dichloroethene	0.585	0.612	-4.6#	98	0.00
13	T	Acrolein	0.079	0.172	-117.7#	230#	0.00
14	T	Allyl chloride	1.140	1.161	-1.8	100	0.00
15	T	Acrylonitrile	0.330	0.353	-7.0	102	0.00
16	T	Acetone	0.299	0.288	3.7	97	0.00
17	T	Carbon Disulfide	1.597	1.689	-5.8	99	0.00
18	T	Methyl Acetate	0.921	0.984	-6.8	101	0.00
19	T	Methyl tert-butyl Ether	2.121	2.198	-3.6	98	0.00
20	T	Methylene Chloride	0.695	0.734	-5.6	102	0.00
21	T	trans-1,2-Dichloroethene	0.611	0.618	-1.1	98	0.00
22	T	Diisopropyl ether	1.981	2.219	-12.0	105	0.00
23	T	Vinyl Acetate	1.734	1.892	-9.1	103	0.00
24	P	1,1-Dichloroethane	1.175	1.237	-5.3	99	0.00
25	T	2-Butanone	0.444	0.470	-5.9	99	0.00
26	T	2,2-Dichloropropane	1.139	1.056	7.3	90	0.00
27	T	cis-1,2-Dichloroethene	0.769	0.785	-2.1	99	0.00
28	T	Bromochloromethane	0.549	0.566	-3.1	96	0.00
29	T	Tetrahydrofuran	0.286	0.302	-5.6	102	0.00
30	C	Chloroform	1.186	1.204	-1.5#	95	0.00
31	T	Cyclohexane	0.950	1.026	-8.0	99	0.00
32	T	1,1,1-Trichloroethane	1.090	0.992	9.0	90	0.00
33	S	1,2-Dichloroethane-d4	0.755	0.714	5.4	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.318	0.317	0.3	90	0.00
36	T	1,1-Dichloropropene	0.442	0.433	2.0	96	0.00
37	T	Ethyl Acetate	0.471	0.505	-7.2	99	0.00
38	T	Carbon Tetrachloride	0.497	0.453	8.9	89	0.00
39	T	Methylcyclohexane	0.587	0.601	-2.4	99	0.00
40	TM	Benzene	1.370	1.421	-3.7	98	0.00
41	T	Methacrylonitrile	0.274	0.287	-4.7	102	0.00
42	TM	1,2-Dichloroethane	0.500	0.487	2.6	92	0.00
43	T	Isopropyl Acetate	0.866	0.895	-3.3	99	0.00
44	TM	Trichloroethene	0.329	0.332	-0.9	95	0.00
45	C	1,2-Dichloropropane	0.345	0.367	-6.4#	101	0.00
46	T	Dibromomethane	0.263	0.264	-0.4	97	0.00
47	T	Bromodichloromethane	0.538	0.535	0.6	95	0.00
48	T	Methyl methacrylate	0.402	0.433	-7.7	98	0.00

Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	95	0.00
50	S	Toluene-d8	1.108	1.118	-0.9	91	0.00
51	T	4-Methyl-2-Pentanone	0.479	0.506	-5.6	102	0.00
52	CM	Toluene	0.839	0.864	-3.0#	97	0.00
53	T	t-1,3-Dichloropropene	0.556	0.582	-4.7	97	0.00
54	T	cis-1,3-Dichloropropene	0.603	0.618	-2.5	98	0.00
55	T	1,1,2-Trichloroethane	0.339	0.351	-3.5	100	0.00
56	T	Ethyl methacrylate	0.583	0.616	-5.7	99	0.00
57	T	1,3-Dichloropropane	0.578	0.609	-5.4	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.286	0.283	1.0	94	0.00
59	T	2-Hexanone	0.352	0.364	-3.4	100	0.00
60	T	Dibromochloromethane	0.398	0.411	-3.3	98	0.00
61	T	1,2-Dibromoethane	0.356	0.365	-2.5	98	0.00
62	S	4-Bromofluorobenzene	0.413	0.422	-2.2	91	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.314	0.305	2.9	95	0.00
65	PM	Chlorobenzene	1.062	1.085	-2.2	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.386	0.375	2.8	94	0.00
67	C	Ethyl Benzene	1.853	1.874	-1.1#	97	0.00
68	T	m/p-Xylenes	0.688	0.702	-2.0	99	0.00
69	T	o-Xylene	0.695	0.695	0.0	96	0.00
70	T	Styrene	1.123	1.192	-6.1	101	0.00
71	P	Bromoform	0.314	0.313	0.3	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	4.085	3.903	4.5	96	0.00
74	T	N-amyl acetate	2.013	1.953	3.0	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.411	1.377	2.4	102	0.00
76	T	1,2,3-Trichloropropane	1.213	1.160	4.4	101	0.00
77	T	Bromobenzene	0.955	0.950	0.5	101	0.00
78	T	n-propylbenzene	4.505	4.572	-1.5	100	0.00
79	T	2-Chlorotoluene	2.910	2.832	2.7	99	0.00
80	T	1,3,5-Trimethylbenzene	3.325	3.272	1.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.531	0.525	1.1	99	0.00
82	T	4-Chlorotoluene	3.188	3.225	-1.2	101	0.00
83	T	tert-Butylbenzene	3.477	3.268	6.0	95	0.00
84	T	1,2,4-Trimethylbenzene	3.379	3.287	2.7	99	0.00
85	T	sec-Butylbenzene	4.048	3.992	1.4	99	0.00
86	T	p-Isopropyltoluene	3.327	3.290	1.1	98	0.00
87	T	1,3-Dichlorobenzene	1.656	1.722	-4.0	103	0.00
88	T	1,4-Dichlorobenzene	1.674	1.716	-2.5	105	0.00
89	T	n-Butylbenzene	2.857	3.006	-5.2	103	0.00
90	T	Hexachloroethane	0.753	0.692	8.1	97	0.00
91	T	1,2-Dichlorobenzene	1.700	1.665	2.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.345	0.282	18.3	87	0.00
93	T	1,2,4-Trichlorobenzene	1.016	1.073	-5.6	100	0.00
94	T	Hexachlorobutadiene	0.399	0.395	1.0	97	0.00
95	T	Naphthalene	3.920	3.936	-0.4	99	0.00

Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.054	1.088	-3.2	99	0.00

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

Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	50.000	48.124	3.8	86	0.00
3	P	Chloromethane	50.000	53.335	-6.7	99	0.00
4	C	Vinyl Chloride	50.000	52.177	-4.4#	96	0.00
5	T	Bromomethane	50.000	52.854	-5.7	96	0.00
6	T	Chloroethane	50.000	67.485	-35.0#	137	0.00
7	T	Trichlorofluoromethane	50.000	49.099	1.8	92	0.00
8	T	Diethyl Ether	50.000	42.582	14.8	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.232	-2.5	100	0.00
10	T	Methyl Iodide	50.000	50.103	-0.2	91	0.00
11	T	Tert butyl alcohol	250.000	229.357	8.3	92	-0.01
12	CM	1,1-Dichloroethene	50.000	52.279	-4.6#	98	0.00
13	T	Acrolein	250.000	544.657	-117.9#	230	0.00
14	T	Allyl chloride	50.000	50.932	-1.9	100	0.00
15	T	Acrylonitrile	250.000	267.495	-7.0	102	0.00
16	T	Acetone	250.000	240.764	3.7	97	0.00
17	T	Carbon Disulfide	50.000	52.854	-5.7	99	0.00
18	T	Methyl Acetate	50.000	53.407	-6.8	101	0.00
19	T	Methyl tert-butyl Ether	50.000	51.834	-3.7	98	0.00
20	T	Methylene Chloride	50.000	52.799	-5.6	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.522	-1.0	98	0.00
22	T	Diisopropyl ether	50.000	56.003	-12.0	105	0.00
23	T	Vinyl Acetate	250.000	272.725	-9.1	103	0.00
24	P	1,1-Dichloroethane	50.000	52.632	-5.3	99	0.00
25	T	2-Butanone	250.000	264.600	-5.8	99	0.00
26	T	2,2-Dichloropropane	50.000	46.357	7.3	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.078	-2.2	99	0.00
28	T	Bromochloromethane	50.000	51.564	-3.1	96	0.00
29	T	Tetrahydrofuran	250.000	263.398	-5.4	102	0.00
30	C	Chloroform	50.000	50.771	-1.5#	95	0.00
31	T	Cyclohexane	50.000	53.957	-7.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	45.490	9.0	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.336	5.3	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	49.831	0.3	90	0.00
36	T	1,1-Dichloropropene	50.000	48.940	2.1	96	0.00
37	T	Ethyl Acetate	50.000	53.669	-7.3	99	0.00
38	T	Carbon Tetrachloride	50.000	45.521	9.0	89	0.00
39	T	Methylcyclohexane	50.000	51.179	-2.4	99	0.00
40	TM	Benzene	50.000	51.868	-3.7	98	0.00
41	T	Methacrylonitrile	50.000	52.289	-4.6	102	0.00
42	TM	1,2-Dichloroethane	50.000	48.725	2.5	92	0.00
43	T	Isopropyl Acetate	50.000	51.667	-3.3	99	0.00
44	TM	Trichloroethene	50.000	50.413	-0.8	95	0.00
45	C	1,2-Dichloropropane	50.000	53.245	-6.5#	101	0.00
46	T	Dibromomethane	50.000	50.244	-0.5	97	0.00
47	T	Bromodichloromethane	50.000	49.656	0.7	95	0.00
48	T	Methyl methacrylate	50.000	53.829	-7.7	98	0.00

Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	991.841	0.8	95	0.00
50	S	Toluene-d8	50.000	50.477	-1.0	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.229	-5.7	102	0.00
52	CM	Toluene	50.000	51.531	-3.1#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	52.351	-4.7	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.254	-2.5	98	0.00
55	T	1,1,2-Trichloroethane	50.000	51.785	-3.6	100	0.00
56	T	Ethyl methacrylate	50.000	52.829	-5.7	99	0.00
57	T	1,3-Dichloropropane	50.000	52.726	-5.5	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.155	1.1	94	0.00
59	T	2-Hexanone	250.000	258.046	-3.2	100	0.00
60	T	Dibromochloromethane	50.000	51.638	-3.3	98	0.00
61	T	1,2-Dibromoethane	50.000	51.277	-2.6	98	0.00
62	S	4-Bromofluorobenzene	50.000	51.142	-2.3	91	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	48.623	2.8	95	0.00
65	PM	Chlorobenzene	50.000	51.069	-2.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.599	2.8	94	0.00
67	C	Ethyl Benzene	50.000	50.576	-1.2#	97	0.00
68	T	m/p-Xylenes	100.000	102.049	-2.0	99	0.00
69	T	o-Xylene	50.000	49.989	0.0	96	0.00
70	T	Styrene	50.000	53.068	-6.1	101	0.00
71	P	Bromoform	50.000	49.769	0.5	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	47.772	4.5	96	0.00
74	T	N-amyl acetate	50.000	48.507	3.0	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.822	2.4	102	0.00
76	T	1,2,3-Trichloropropane	50.000	47.797	4.4	101	0.00
77	T	Bromobenzene	50.000	49.729	0.5	101	0.00
78	T	n-propylbenzene	50.000	50.743	-1.5	100	0.00
79	T	2-Chlorotoluene	50.000	48.661	2.7	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.198	1.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.439	1.1	99	0.00
82	T	4-Chlorotoluene	50.000	50.588	-1.2	101	0.00
83	T	tert-Butylbenzene	50.000	46.992	6.0	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.633	2.7	99	0.00
85	T	sec-Butylbenzene	50.000	49.309	1.4	99	0.00
86	T	p-Isopropyltoluene	50.000	49.439	1.1	98	0.00
87	T	1,3-Dichlorobenzene	50.000	52.016	-4.0	103	0.00
88	T	1,4-Dichlorobenzene	50.000	51.247	-2.5	105	0.00
89	T	n-Butylbenzene	50.000	52.602	-5.2	103	0.00
90	T	Hexachloroethane	50.000	45.956	8.1	97	0.00
91	T	1,2-Dichlorobenzene	50.000	48.972	2.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	40.823	18.4	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.765	-5.5	100	0.00
94	T	Hexachlorobutadiene	50.000	49.450	1.1	97	0.00
95	T	Naphthalene	50.000	50.197	-0.4	99	0.00

Sample Results: **VX044711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.628	-3.3	99	0.00

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

QC SAMPLE DATA

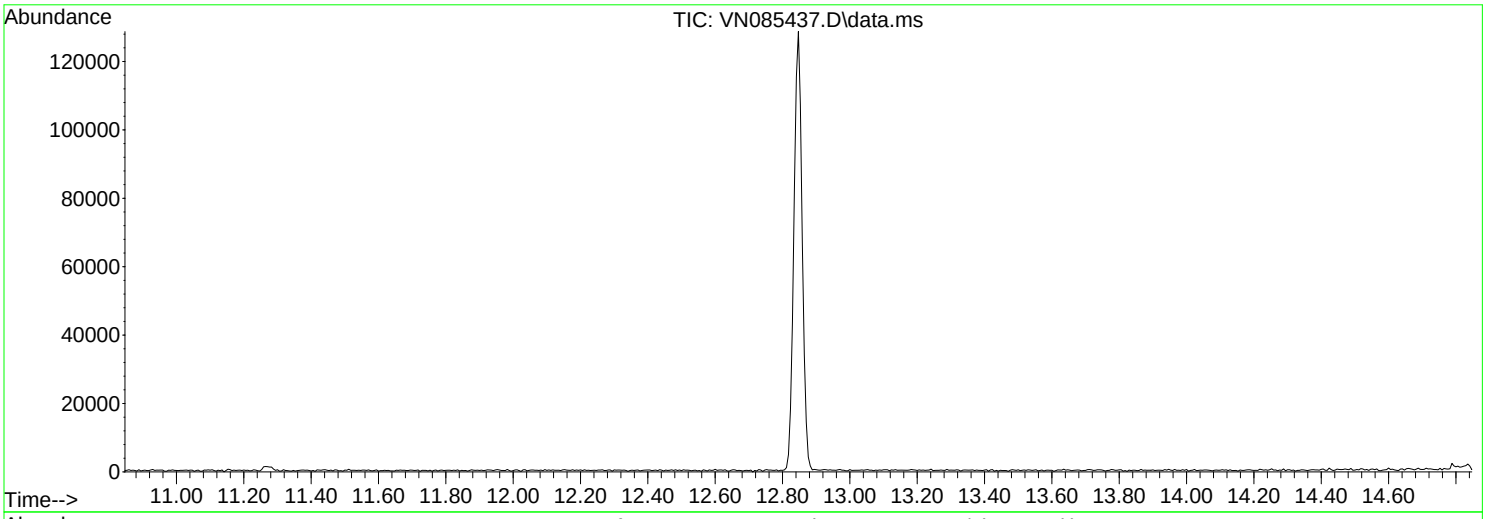
Sample Results: **VN085437.D**

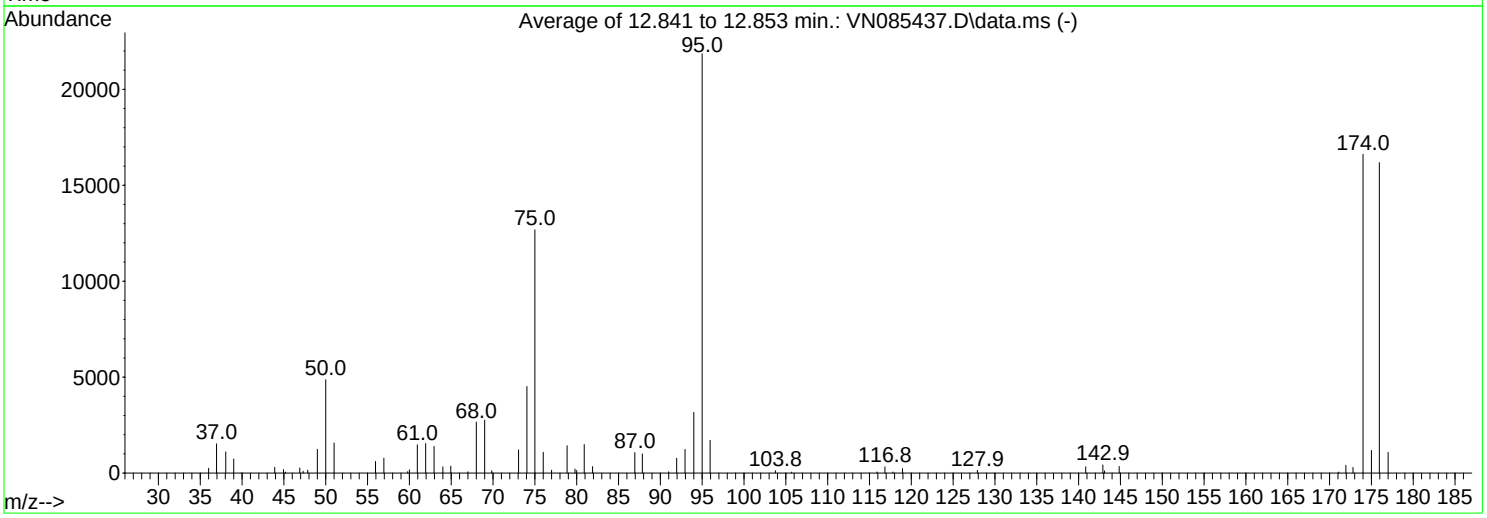
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085437.D
Acq On : 14 Jan 2025 14:22
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	4864	PASS
75	95	30	60	58.0	12679	PASS
95	95	100	100	100.0	21856	PASS
96	95	5	9	7.8	1703	PASS
173	174	0.00	2	1.8	296	PASS
174	95	50	100	76.0	16613	PASS
175	174	5	9	7.1	1179	PASS
176	174	95	101	97.4	16185	PASS
177	176	5	9	6.7	1079	PASS

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	254	49.00	1237	64.95	364	79.80	211
36.95	1525	50.00	4864	67.00	71	80.00	136
38.05	1107	51.00	1571	68.00	2658	80.90	1487
39.00	730	55.95	608	69.00	2763	81.90	338
39.90	5	56.95	779	69.85	123	86.95	1072
43.90	302	59.80	76	73.05	1212	87.85	997
44.95	180	60.00	170	74.05	4514	91.00	68
45.20	50	60.95	1471	75.00	12679	91.95	773
46.90	269	61.95	1539	76.00	1086	92.95	1234
47.30	94	62.95	1390	77.00	153	94.00	3163
47.85	154	64.00	325	78.85	1426	95.00	21856

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.95	1703	144.85	346				
103.75	127	171.10	56				
105.70	51	171.95	407				
115.90	59	172.80	296				
116.85	327	174.00	16613				
117.80	58	175.00	1179				
118.95	233	175.95	16185				
127.90	145	177.00	1079				
140.85	328						
142.90	422						
143.10	115						

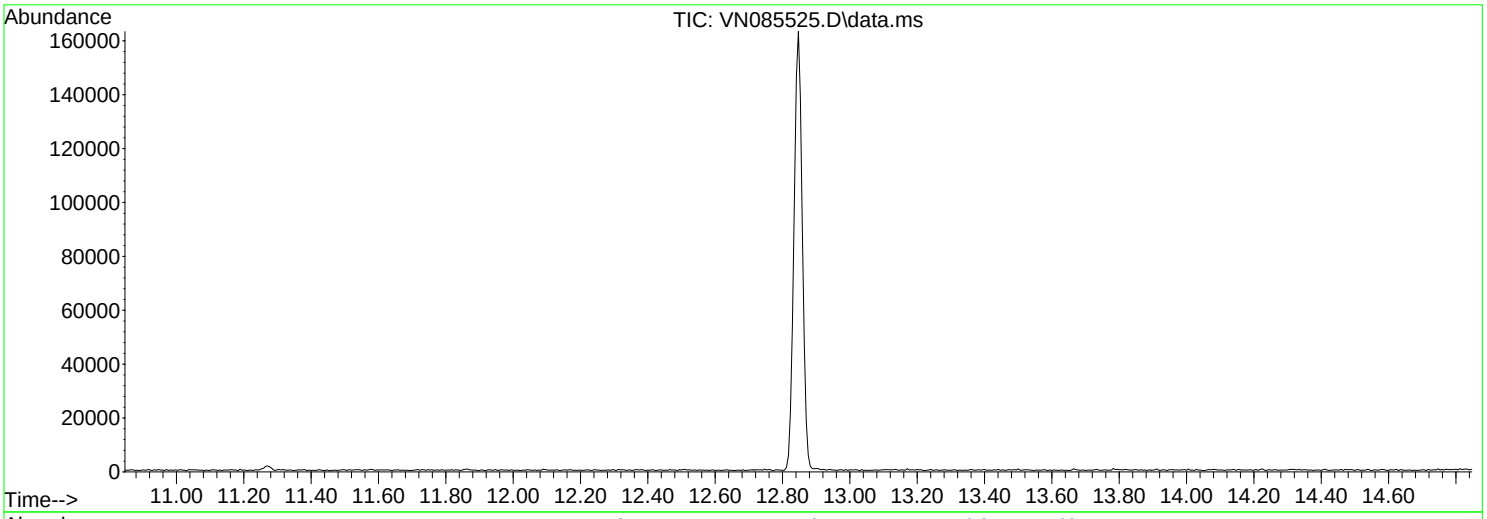
Sample Results: **VN085525.D**

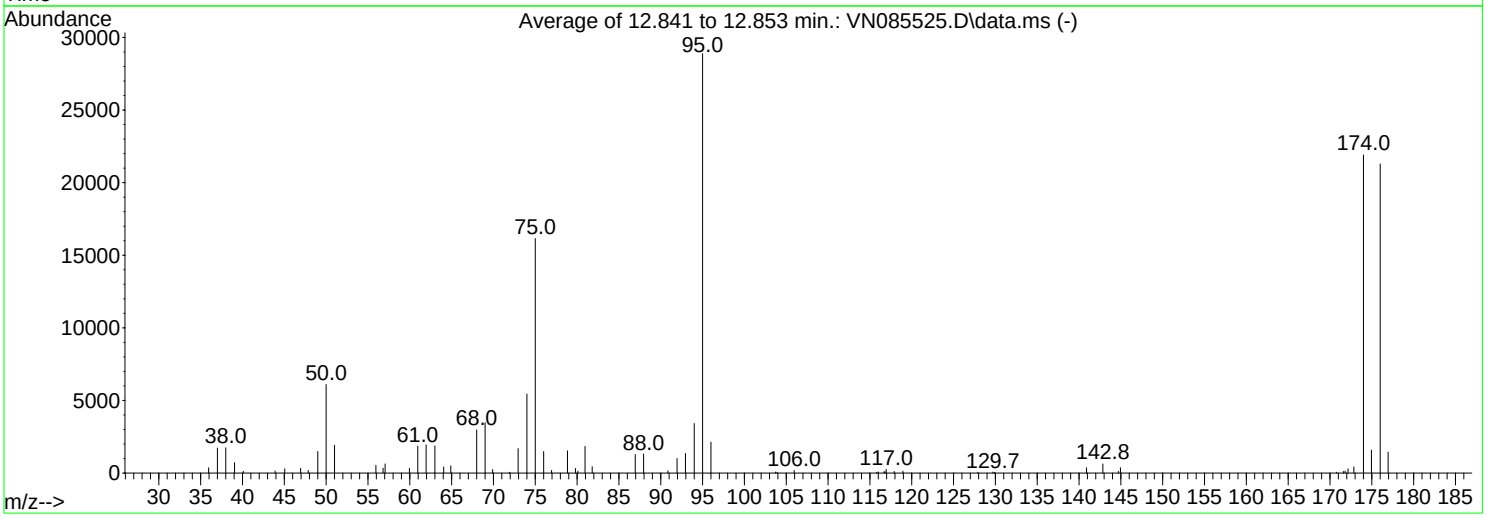
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085525.D
Acq On : 28 Jan 2025 09:17
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	6102	PASS
75	95	30	60	55.9	16153	PASS
95	95	100	100	100.0	28877	PASS
96	95	5	9	7.4	2133	PASS
173	174	0.00	2	1.9	424	PASS
174	95	50	100	75.9	21904	PASS
175	174	5	9	7.2	1583	PASS
176	174	95	101	97.2	21288	PASS
177	176	5	9	6.8	1447	PASS

Average of 12.841 to 12.853 min.: VN085525.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	363	51.00	1921	69.00	3472	80.95	1841
37.00	1726	55.95	530	69.90	245	81.80	440
38.00	1741	56.80	336	71.90	57	86.95	1278
39.05	725	57.05	630	72.95	1686	87.95	1312
40.10	118	59.95	329	74.00	5442	90.85	154
43.90	145	60.95	1853	75.00	16153	91.95	1004
45.05	294	61.95	1942	76.00	1483	92.95	1350
46.95	330	63.00	1876	76.95	185	94.00	3411
47.85	189	64.05	424	78.85	1535	95.00	28877
49.00	1492	64.90	496	79.80	317	96.00	2133
50.00	6102	68.00	2970	80.10	130	103.70	73

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085525.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.90	55	129.90	51	174.95	1583		
105.95	177	140.90	363	176.00	21288		
115.80	56	142.85	633	176.95	1447		
116.00	75	144.70	122				
116.70	104	144.95	371				
116.80	97	170.80	59				
116.95	261	171.60	114				
117.90	119	171.80	147				
118.95	137	172.15	294				
127.90	52	172.85	424				
129.70	69	174.00	21904				

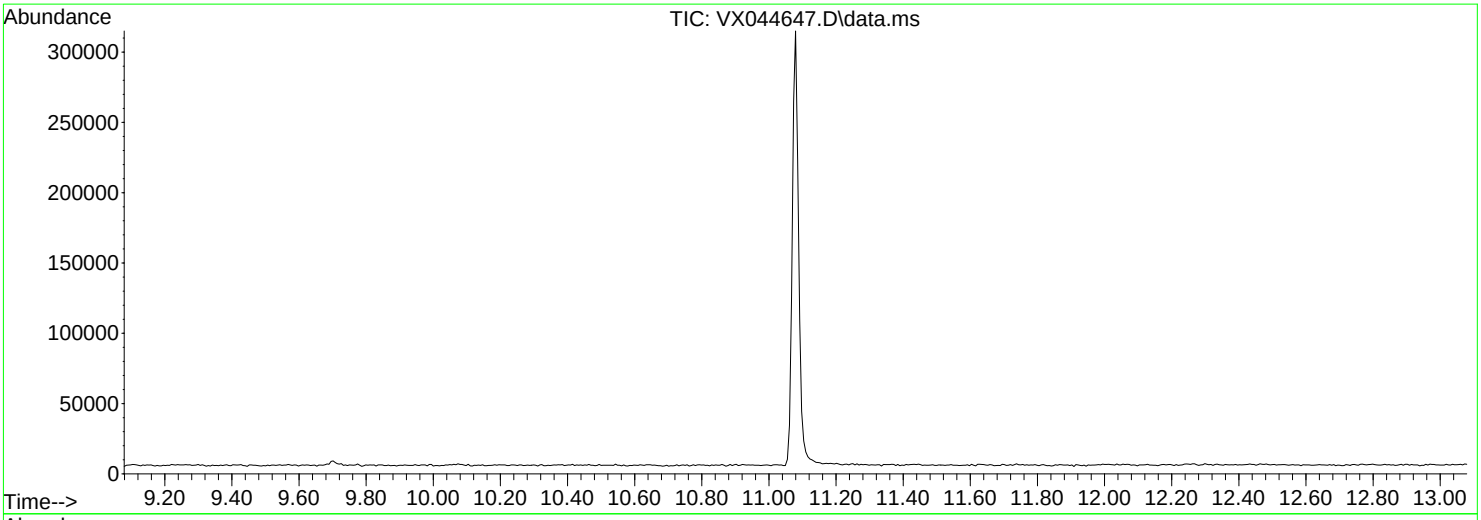
Sample Results: **VX044647.D**

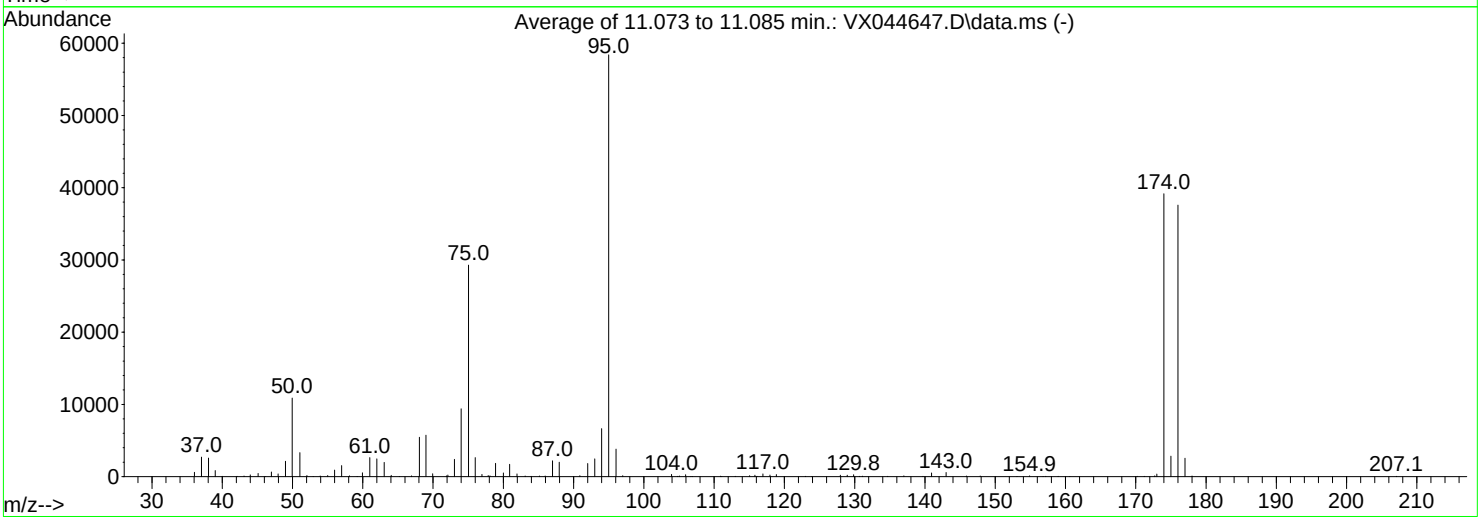
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044647.D
Acq On : 15 Jan 2025 09:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	10879	PASS
75	95	30	60	50.2	29285	PASS
95	95	100	100	100.0	58391	PASS
96	95	5	9	6.5	3805	PASS
173	174	0.00	2	0.9	350	PASS
174	95	50	100	67.1	39163	PASS
175	174	5	9	7.3	2842	PASS
176	174	95	101	96.0	37587	PASS
177	176	5	9	6.8	2538	PASS

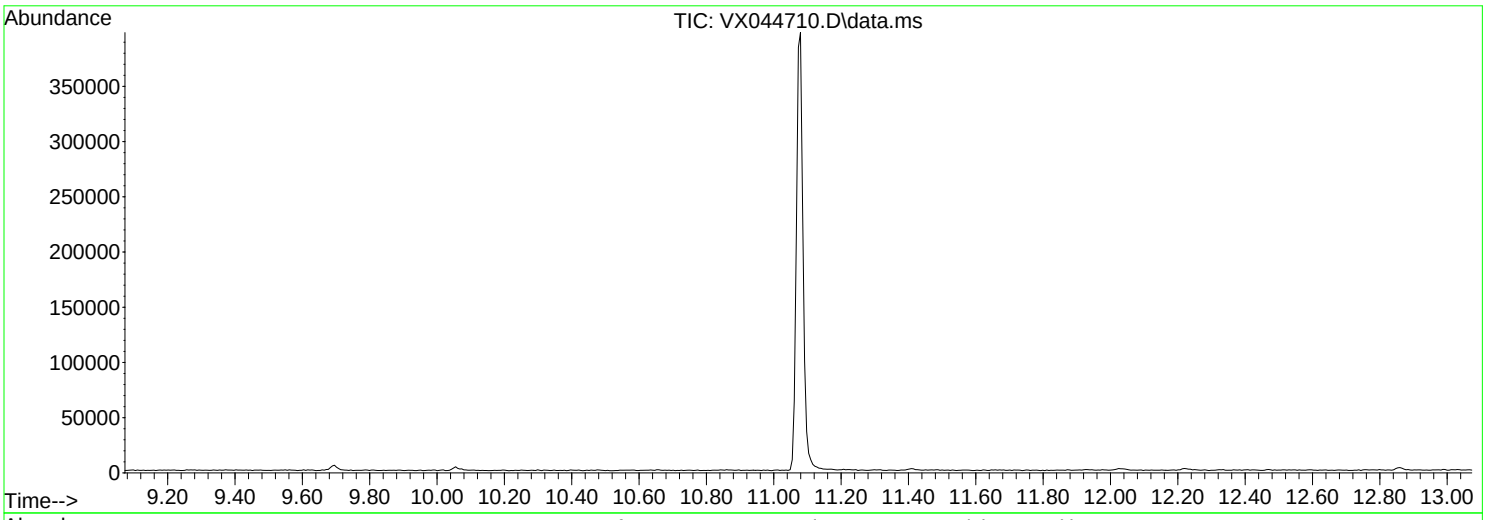
Sample Results: **VX044710.D**

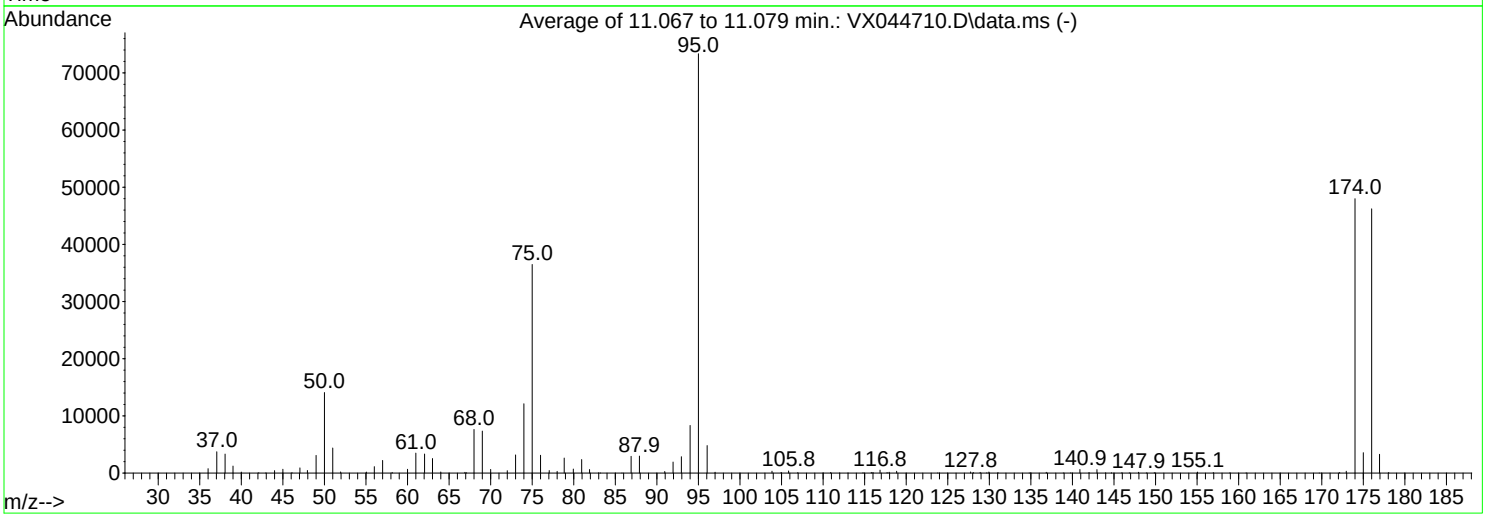
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044710.D
Acq On : 27 Jan 2025 08:47
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	14088	PASS
75	95	30	60	49.7	36488	PASS
95	95	100	100	100.0	73349	PASS
96	95	5	9	6.6	4811	PASS
173	174	0.00	2	0.7	327	PASS
174	95	50	100	65.4	47992	PASS
175	174	5	9	7.4	3572	PASS
176	174	95	101	96.3	46227	PASS
177	176	5	9	7.1	3286	PASS

Raw Data: **VN085528.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:	VN0128WBL01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085528.D	1		01/28/25 10:51	VN012825

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: **VN085528.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:	VN0128WBL01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085528.D	1		01/28/25 10:51	VN012825

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: **VN085528.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0128WBL01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085528.D	1		01/28/25 10:51	VN012825

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	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	50.1		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	8.218			
540-36-3	1,4-Difluorobenzene	333000	9.1			
3114-55-4	Chlorobenzene-d5	291000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

Raw Data: **VN085528.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0128WBL01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085528.D	1		01/28/25 10:51	VN012825

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: **VN085528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Quant Time: Jan 29 00:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	183717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159230	53.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.380%			
35) Dibromofluoromethane	8.165	113	120495	52.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	10.565	98	410338	50.052	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.847	95	124045	44.232	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.460%			
Target Compounds						Qvalue

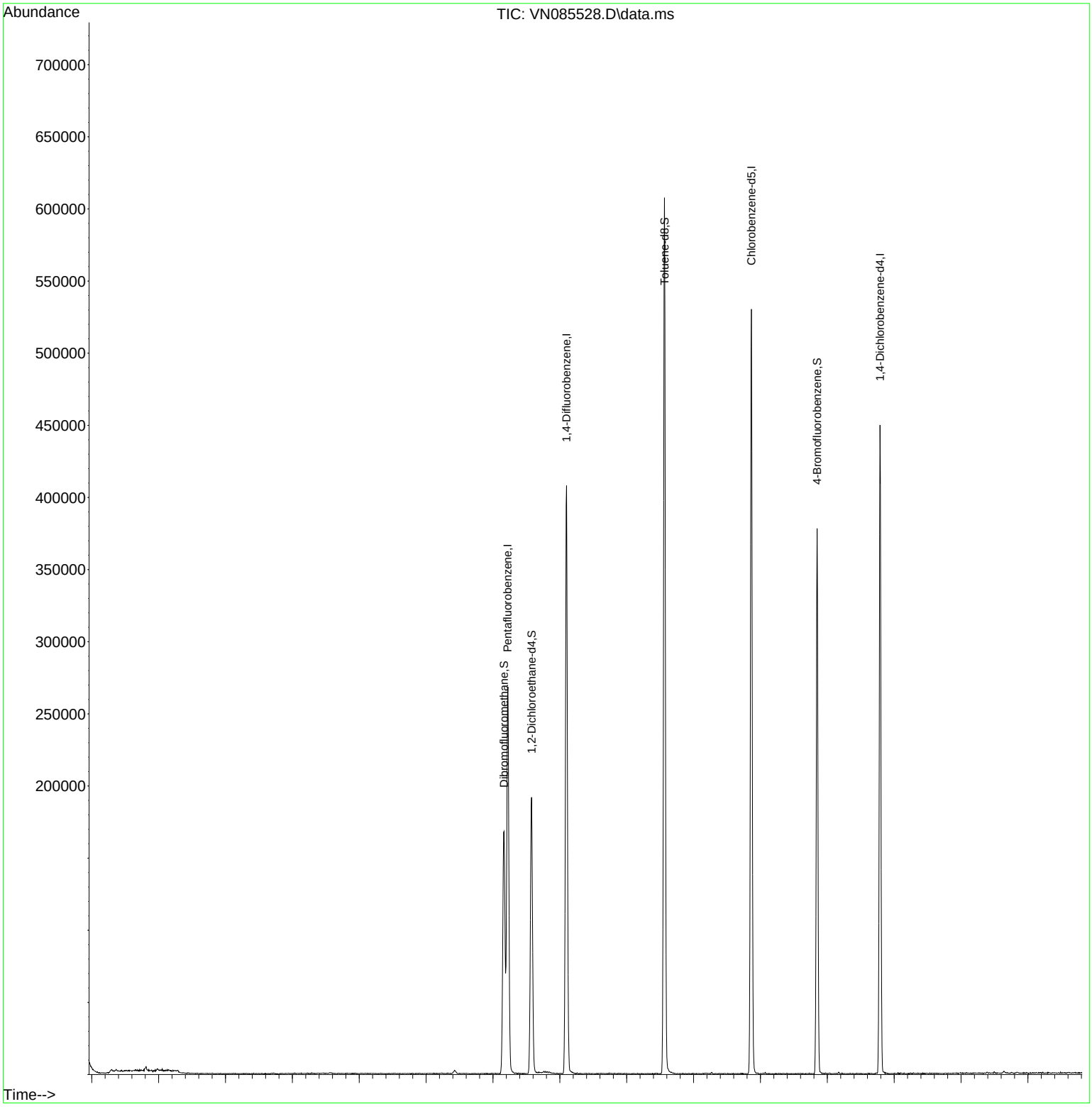
(#) = qualifier out of range (m) = manual integration (+) = signals summed

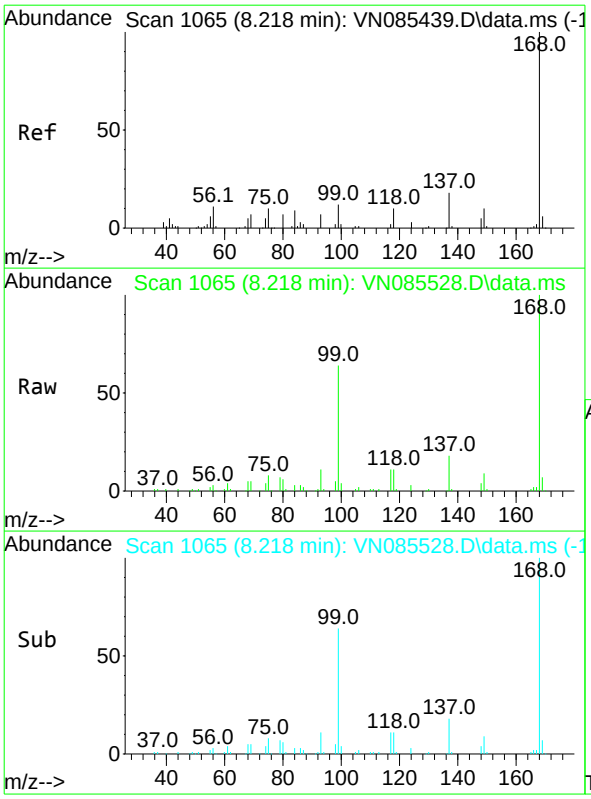
Sample Results: **VN085528.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085528.D
Acq On : 28 Jan 2025 10:51
Operator : JC\MD
Sample : VN0128WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Quant Time: Jan 29 00:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



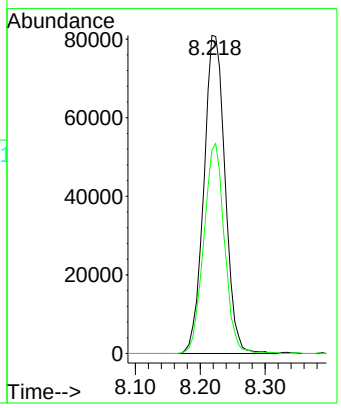


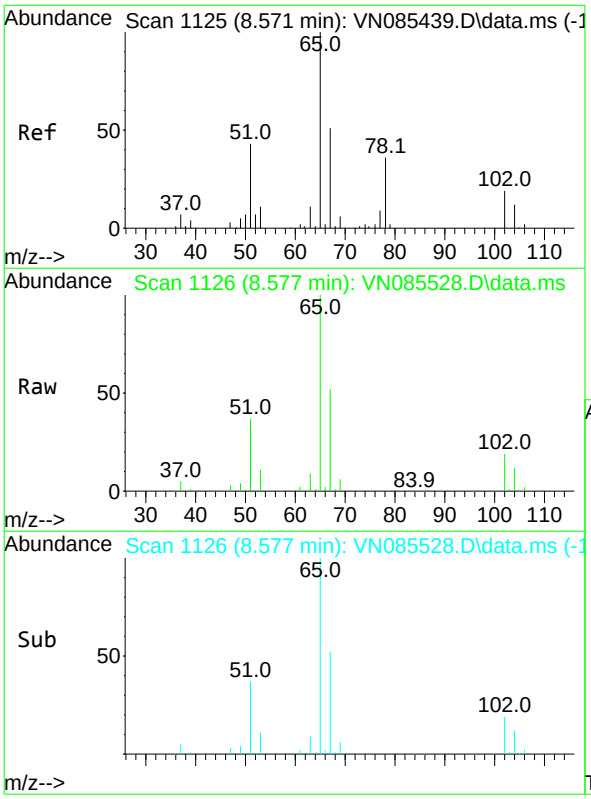
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion:168 Resp: 183717

Ion	Ratio	Lower	Upper
168	100		
99	63.9	53.6	80.4

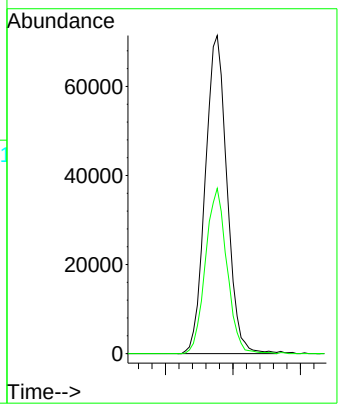


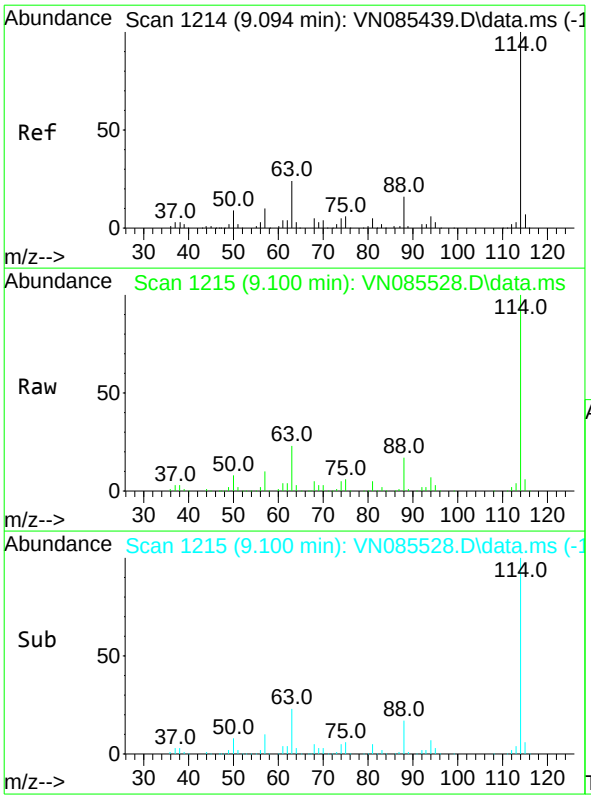


#33
1,2-Dichloroethane-d4
Concen: 53.693 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion: 65 Resp: 159230

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	101.6



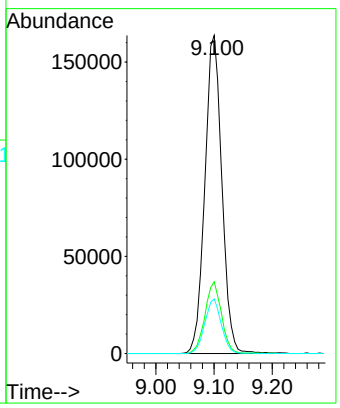


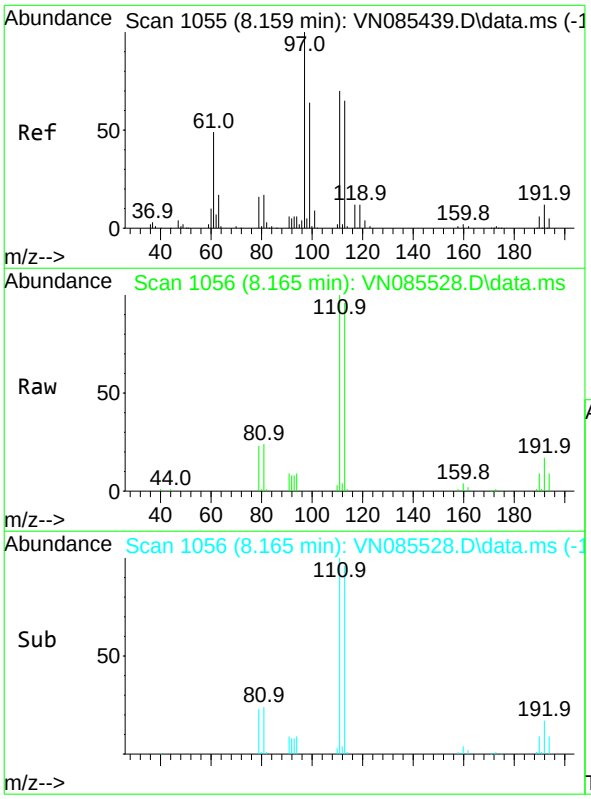
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion:114 Resp: 332601

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	47.6
88	17.2	0.0	32.6

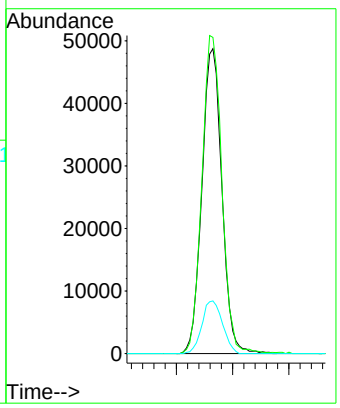


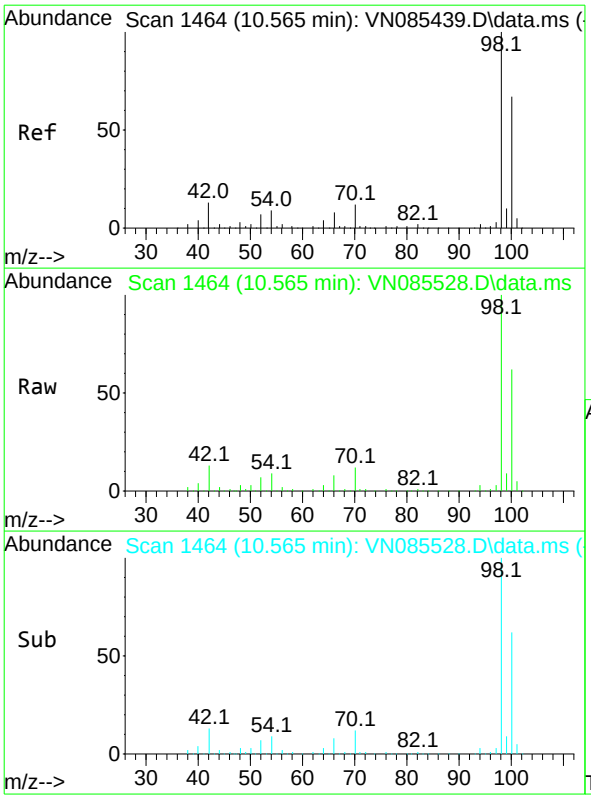


#35
Dibromofluoromethane
Concen: 52.220 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion:113 Resp: 120495

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	17.8	14.3	21.5



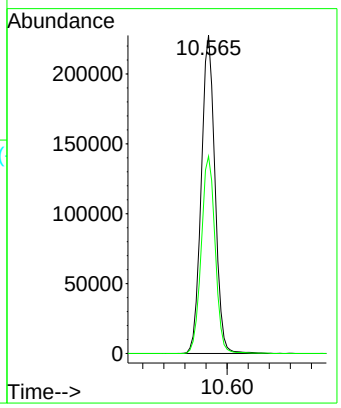


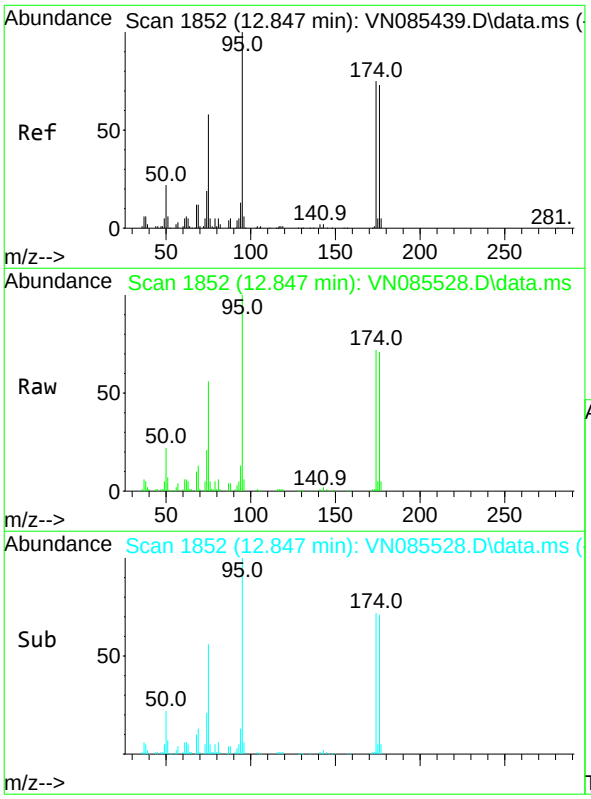
#50
Toluene-d8
Concen: 50.052 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion: 98 Resp: 410338

Ion	Ratio	Lower	Upper
98	100		
100	63.0	52.2	78.4

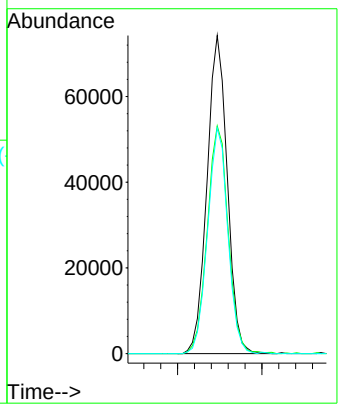


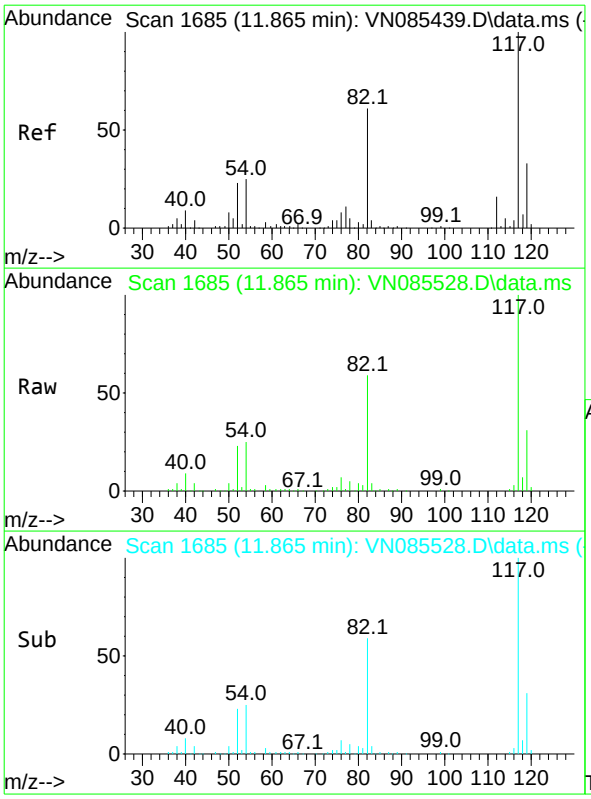


#62
4-Bromofluorobenzene
Concen: 44.232 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion: 95 Resp: 124045

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.0
176	70.5	0.0	142.4



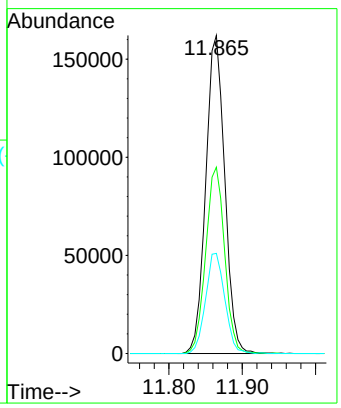


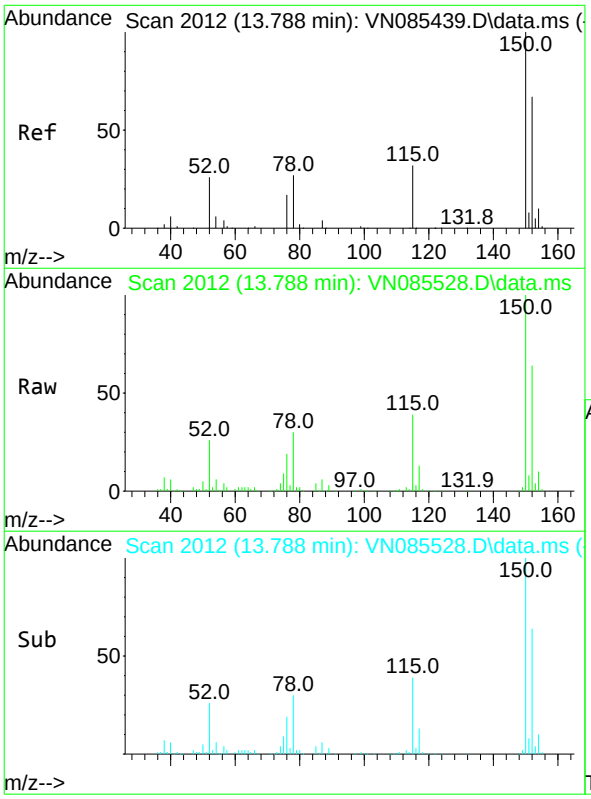
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

Tgt Ion:117 Resp: 291066

Ion	Ratio	Lower	Upper
117	100		
82	58.6	48.6	72.8
119	31.5	26.6	39.8

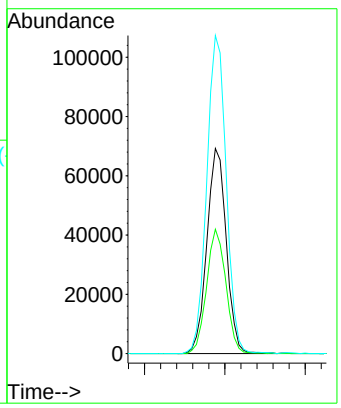




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085528.D
Acq: 28 Jan 2025 10:51

Tgt Ion:152 Resp: 116250

Ion	Ratio	Lower	Upper
152	100		
115	60.3	31.1	93.3
150	155.3	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:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VX0127WBL01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBL01	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
VX044713.D	1		01/27/25 11:01	VX012725

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: **VX044713.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:	VX0127WBL01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBL01	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
VX044713.D	1		01/27/25 11:01	VX012725

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: **VX044713.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:	VX0127WBL01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBL01	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
VX044713.D	1		01/27/25 11:01	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	54.6		86 - 113	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	5.544			
540-36-3	1,4-Difluorobenzene	315000	6.757			
3114-55-4	Chlorobenzene-d5	281000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.018			

Raw Data: **VX044713.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:	VX0127WBL01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBL01	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
VX044713.D	1		01/27/25 11:01	VX012725

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\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Time: Jan 28 04:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

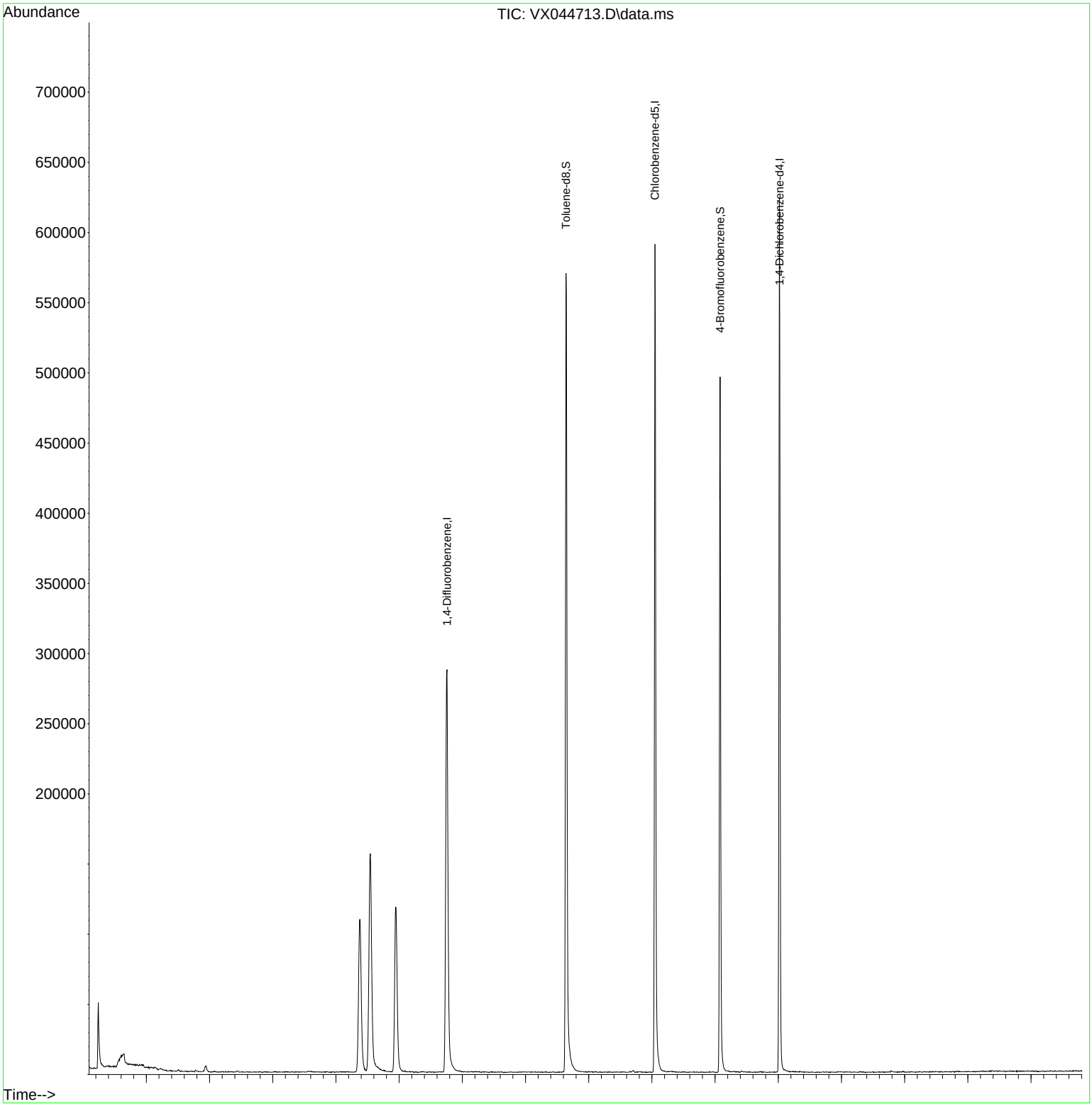
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	158308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	315173	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	280517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113965	47.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.380%			
35) Dibromofluoromethane	5.379	113	101022	50.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.641	98	381089	54.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.180%			
62) 4-Bromofluorobenzene	11.079	95	146098	56.135	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.280%			
Target Compounds						Qvalue

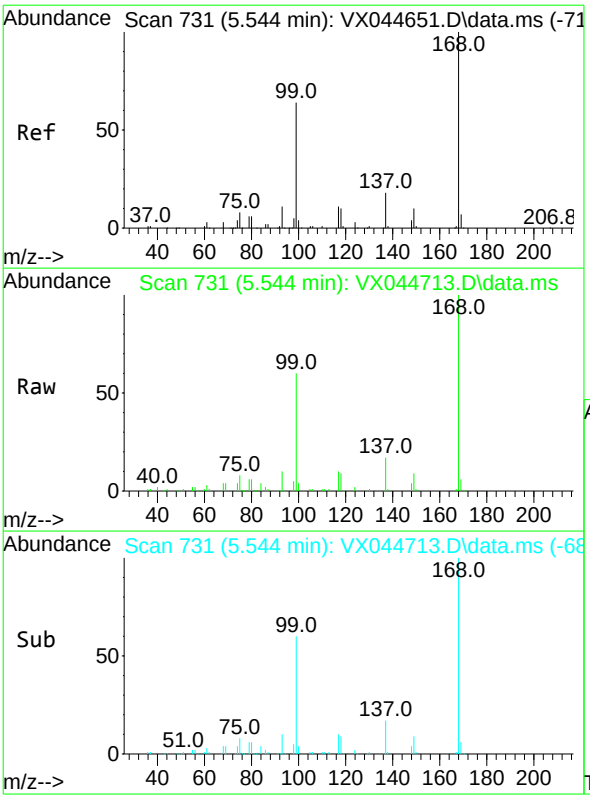
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Time: Jan 28 04:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



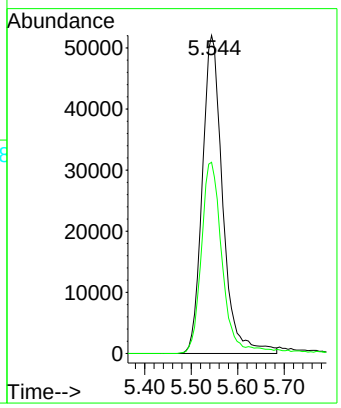


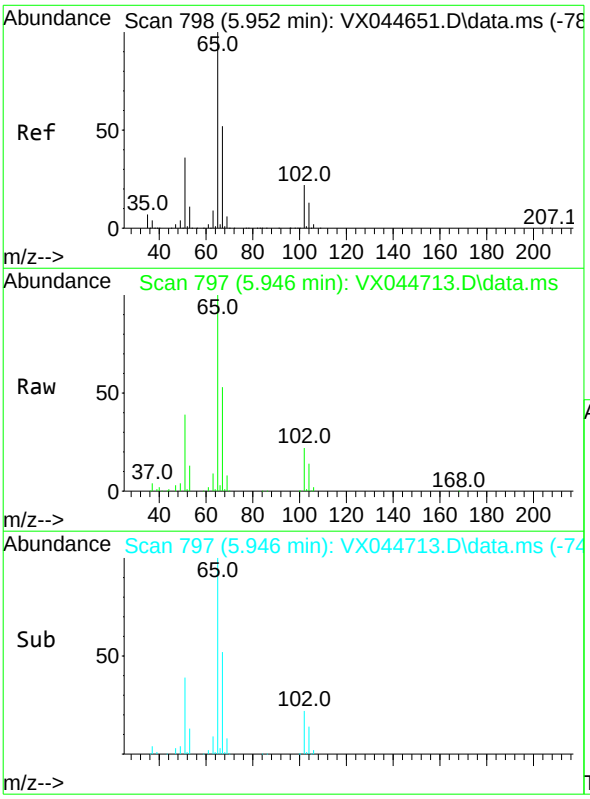
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion:168 Resp: 158308

Ion	Ratio	Lower	Upper
168	100		
99	60.1	51.1	76.7

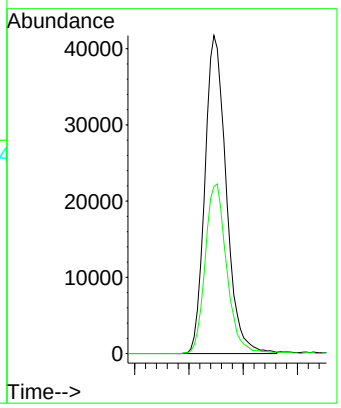


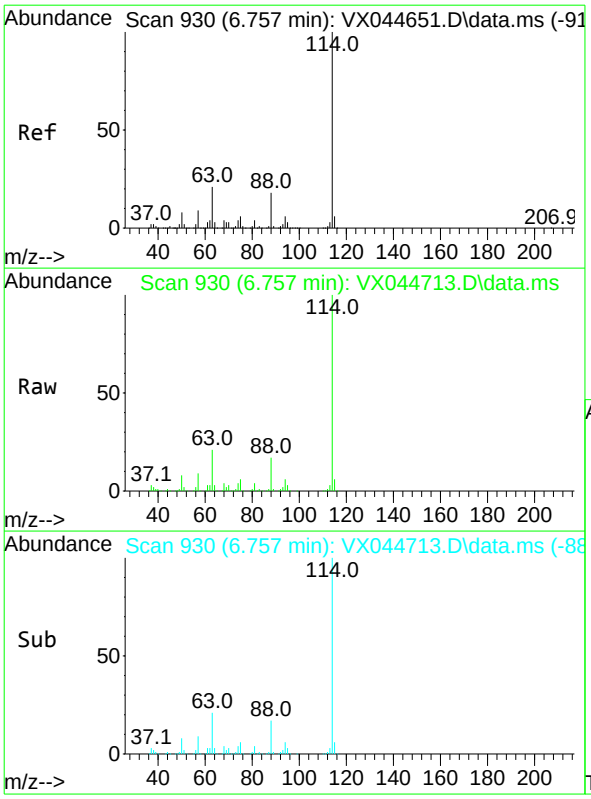


#33
1,2-Dichloroethane-d4
Concen: 47.693 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion: 65 Resp: 113965

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	103.4



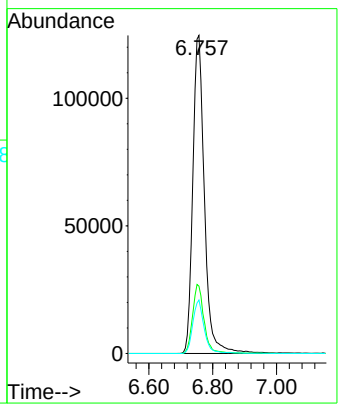


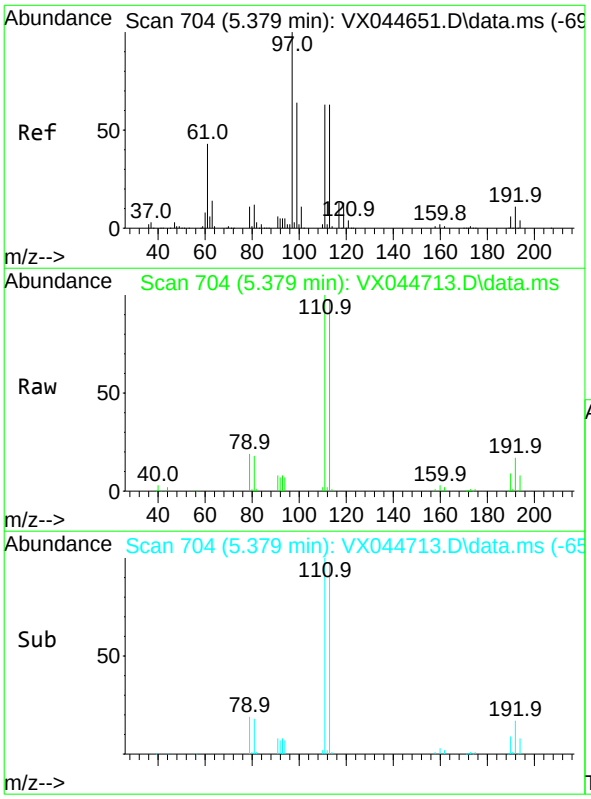
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion:114 Resp: 315173

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.0
88	16.8	0.0	35.4

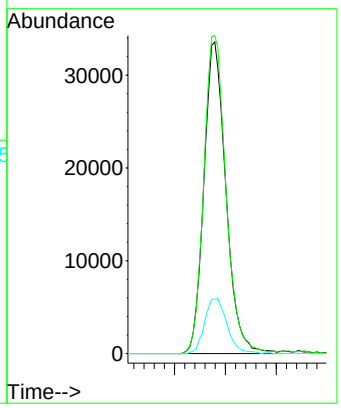


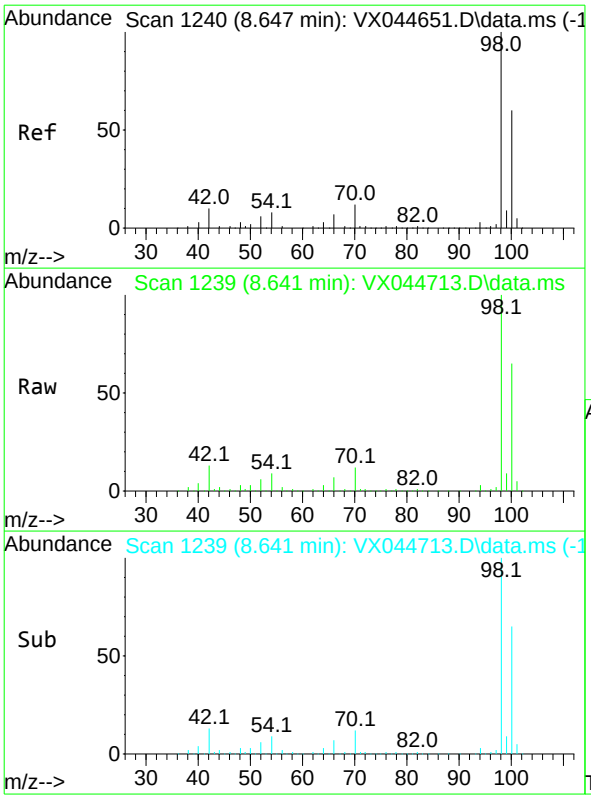


#35
Dibromofluoromethane
Concen: 50.454 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion:113 Resp: 101022

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.6	122.4
192	17.9	14.4	21.6



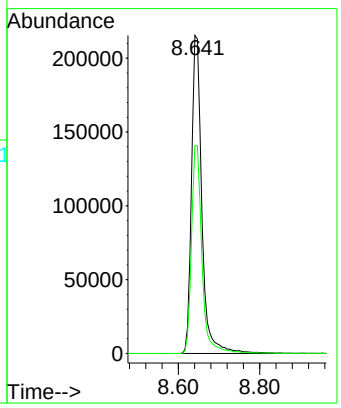


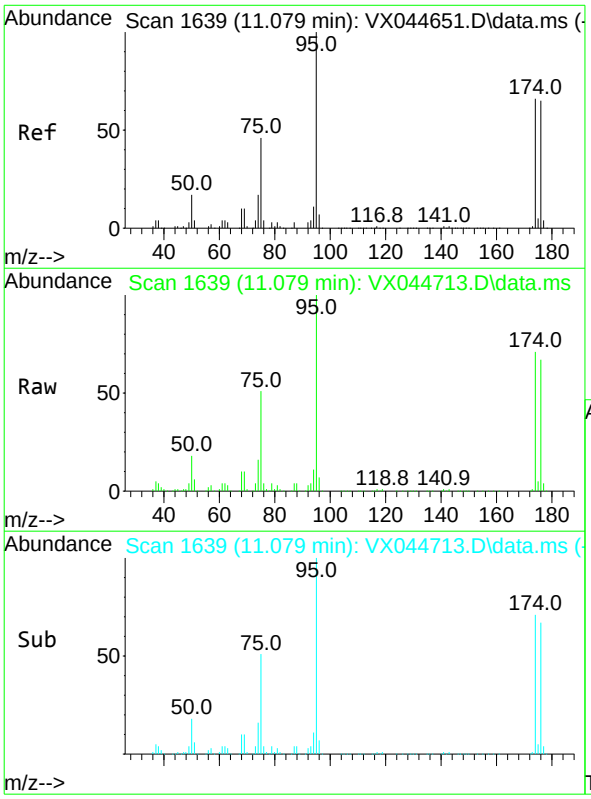
#50
Toluene-d8
Concen: 54.586 ug/l
RT: 8.641 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion: 98 Resp: 381089

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.2	79.8

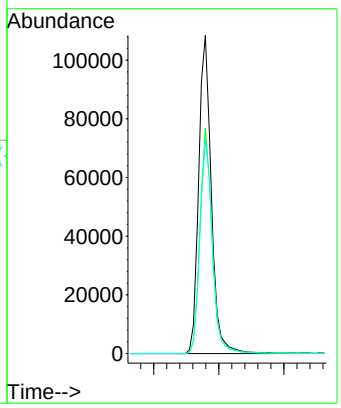


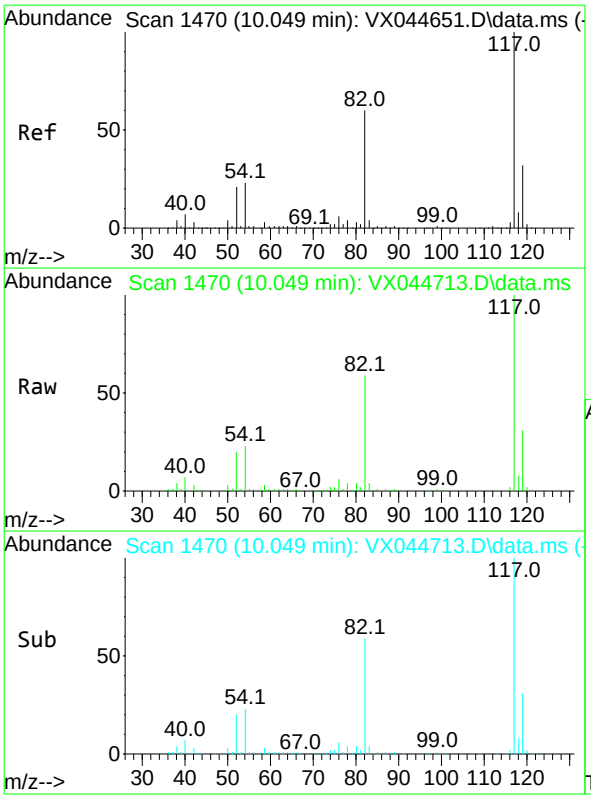


#62
4-Bromofluorobenzene
Concen: 56.135 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion: 95 Resp: 146098

Ion	Ratio	Lower	Upper
95	100		
174	68.4	0.0	133.0
176	66.7	0.0	129.4



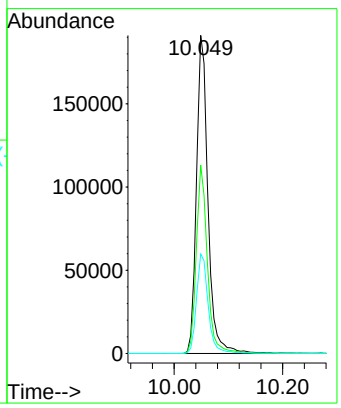


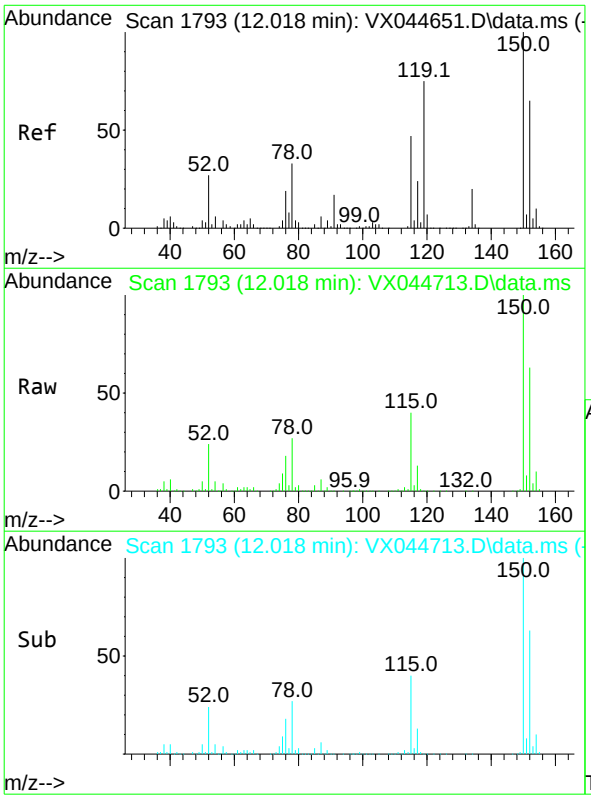
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion:117 Resp: 280517

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.6	71.4
119	31.3	25.4	38.2

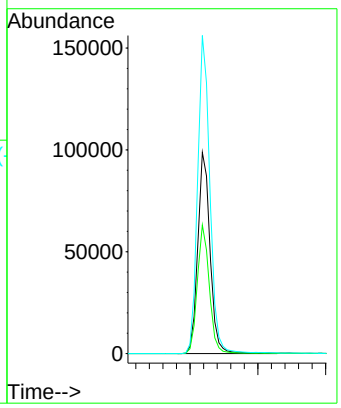




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion:152 Resp: 124517

Ion	Ratio	Lower	Upper
152	100		
115	62.2	43.8	131.4
150	157.7	0.0	347.8



Raw Data: **VN085529.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:	VN0128WBS01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085529.D	1		01/28/25 11:15	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.3		0.21	1.00	ug/L
74-87-3	Chloromethane	17.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	20.7		0.38	1.00	ug/L
74-83-9	Bromomethane	19.5		1.40	5.00	ug/L
75-00-3	Chloroethane	19.8		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
107-02-8	Acrolein	84.7		6.70	25.0	ug/L
107-13-1	Acrylonitrile	110		0.90	5.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.8		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.8		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	100		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	22.1		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.25	1.00	ug/L
74-97-5	Bromochloromethane	16.1		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.9		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	19.7		0.18	1.00	ug/L

Raw Data: **VN085529.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:	VN0128WBS01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085529.D	1		01/28/25 11:15	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
74-95-3	Dibromomethane	20.4		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	21.7		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	21.9		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	21.9		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	87.8		1.80	5.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	21.1		0.21	1.00	ug/L
67-72-1	Hexachloroethane	19.5		0	0	ug/L
100-41-4	Ethyl Benzene	20.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	43.1		0.31	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	1.00	ug/L
100-42-5	Styrene	21.3		0.16	1.00	ug/L
75-25-2	Bromoform	22.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	23.3		0.39	1.00	ug/L
108-86-1	Bromobenzene	21.3		0.26	1.00	ug/L
103-65-1	n-propylbenzene	21.5		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	21.1		0.16	1.00	ug/L

Raw Data: **VN085529.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:	VN0128WBS01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085529.D	1		01/28/25 11:15	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	21.8		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	21.4		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	20.9		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	22.1		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	21.7		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	21.0		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.8		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	19.5		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	23.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	19.9		0.31	1.00	ug/L
91-20-3	Naphthalene	18.4		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	54.1		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	8.224			
540-36-3	1,4-Difluorobenzene	308000	9.1			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788			

Raw Data: **VN085529.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:	VN0128WBS01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBS01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085529.D	1		01/28/25 11:15	VN012825

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: **VN085529.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	185562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153168	51.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.280%			
35) Dibromofluoromethane	8.165	113	113571	53.225	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.460%			
50) Toluene-d8	10.565	98	410056	54.088	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.180%			
62) 4-Bromofluorobenzene	12.847	95	134929	52.029	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	45881	18.261	ug/l	99
3) Chloromethane	2.359	50	46936	17.254	ug/l	98
4) Vinyl Chloride	2.512	62	49715	18.182	ug/l	98
5) Bromomethane	2.965	94	32217	19.506	ug/l	93
6) Chloroethane	3.118	64	34288	19.780	ug/l	95
7) Trichlorofluoromethane	3.501	101	82151	20.707	ug/l	94
8) Diethyl Ether	3.959	74	26345	19.222	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	45774	20.484	ug/l	98
10) Methyl Iodide	4.589	142	50026	19.549	ug/l	95
11) Tert butyl alcohol	5.512	59	37334	108.849	ug/l	99
12) 1,1-Dichloroethene	4.342	96	37952	19.057	ug/l	93
13) Acrolein	4.177	56	39646	84.676	ug/l	98
14) Allyl chloride	5.024	41	59056	18.275	ug/l	98
15) Acrylonitrile	5.712	53	116207	106.667	ug/l	98
16) Acetone	4.424	43	101360	104.730	ug/l	94
17) Carbon Disulfide	4.706	76	100344	16.364	ug/l	98
18) Methyl Acetate	5.018	43	66988	22.762	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	135056	20.885	ug/l	97
20) Methylene Chloride	5.277	84	47487	19.820	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	40233	18.903	ug/l	94
22) Diisopropyl ether	6.671	45	147403	20.550	ug/l	97
23) Vinyl Acetate	6.600	43	516002	102.796	ug/l	99
24) 1,1-Dichloroethane	6.565	63	87952	20.110	ug/l	99
25) 2-Butanone	7.477	43	153642	107.876	ug/l	98
26) 2,2-Dichloropropane	7.488	77	78263	22.133	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	49822	19.875	ug/l	99
28) Bromochloromethane	7.812	49	32851	16.145	ug/l	96
29) Tetrahydrofuran	7.836	42	102010	112.971	ug/l	99
30) Chloroform	7.965	83	92905	20.553	ug/l	93
31) Cyclohexane	8.253	56	67069	17.643	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	80919	20.408	ug/l	97
36) 1,1-Dichloropropene	8.365	75	58916	19.673	ug/l	99
37) Ethyl Acetate	7.553	43	62638	20.722	ug/l	98
38) Carbon Tetrachloride	8.359	117	70429	20.543	ug/l	97
39) Methylcyclohexane	9.600	83	53089	18.865	ug/l	96
40) Benzene	8.606	78	186111	20.683	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33670	21.410 ug/l	98
42) 1,2-Dichloroethane	8.665	62	71068	20.970 ug/l	100
43) Isopropyl Acetate	8.688	43	105036	21.686 ug/l	99
44) Trichloroethene	9.347	130	42674	20.374 ug/l	97
45) 1,2-Dichloropropane	9.618	63	47674	20.743 ug/l	98
46) Dibromomethane	9.706	93	33823	20.395 ug/l	97
47) Bromodichloromethane	9.882	83	73309	21.697 ug/l	97
48) Methyl methacrylate	9.677	41	47567	21.823 ug/l	98
49) 1,4-Dioxane	9.694	88	15432	420.430 ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	324778	115.555 ug/l	100
52) Toluene	10.629	92	113994	21.864 ug/l	99
53) t-1,3-Dichloropropene	10.829	75	68322	21.398 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	73429	21.530 ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	45212	21.912 ug/l	94
56) Ethyl methacrylate	10.871	69	62727	19.281 ug/l	98
57) 1,3-Dichloropropane	11.159	76	78623	21.915 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	114984	87.817 ug/l	100
59) 2-Hexanone	11.194	43	234494	118.574 ug/l	98
60) Dibromochloromethane	11.359	129	52835	21.210 ug/l	99
61) 1,2-Dibromoethane	11.471	107	42361	20.625 ug/l	99
64) Tetrachloroethene	11.100	164	40019	21.658 ug/l	99
65) Chlorobenzene	11.888	112	122235	20.586 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	46034	21.124 ug/l	99
67) Ethyl Benzene	11.959	91	201123	20.797 ug/l	98
68) m/p-Xylenes	12.071	106	154069	43.106 ug/l	99
69) o-Xylene	12.394	106	71535	20.943 ug/l	100
70) Styrene	12.412	104	120125	21.250 ug/l	99
71) Bromoform	12.576	173	35108	22.516 ug/l #	99
73) Isopropylbenzene	12.694	105	178577	20.880 ug/l	98
74) N-amyl acetate	12.488	43	80633	20.975 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	65405	21.649 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	60066m	23.321 ug/l	
77) Bromobenzene	12.976	156	47665	21.332 ug/l	99
78) n-propylbenzene	13.035	91	217855	21.517 ug/l	99
79) 2-Chlorotoluene	13.123	91	138138	21.081 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	154258	21.836 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	21965	23.073 ug/l	87
82) 4-Chlorotoluene	13.218	91	139420	21.369 ug/l	100
83) tert-Butylbenzene	13.435	119	124147	20.926 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	155548	22.092 ug/l	98
85) sec-Butylbenzene	13.612	105	178351	21.691 ug/l	100
86) p-Isopropyltoluene	13.729	119	143953	20.952 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	85729	20.833 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	84406	19.789 ug/l	99
89) n-Butylbenzene	14.053	91	115181	19.526 ug/l	100
90) Hexachloroethane	14.329	117	30558	19.522 ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	83529	20.350 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12961	23.494 ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	36081	18.913 ug/l	95
94) Hexachlorobutadiene	15.494	225	20163	19.907 ug/l	98
95) Naphthalene	15.641	128	104713	18.394 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	36634	18.978 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

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

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

Sample Results: **VN085529.D**

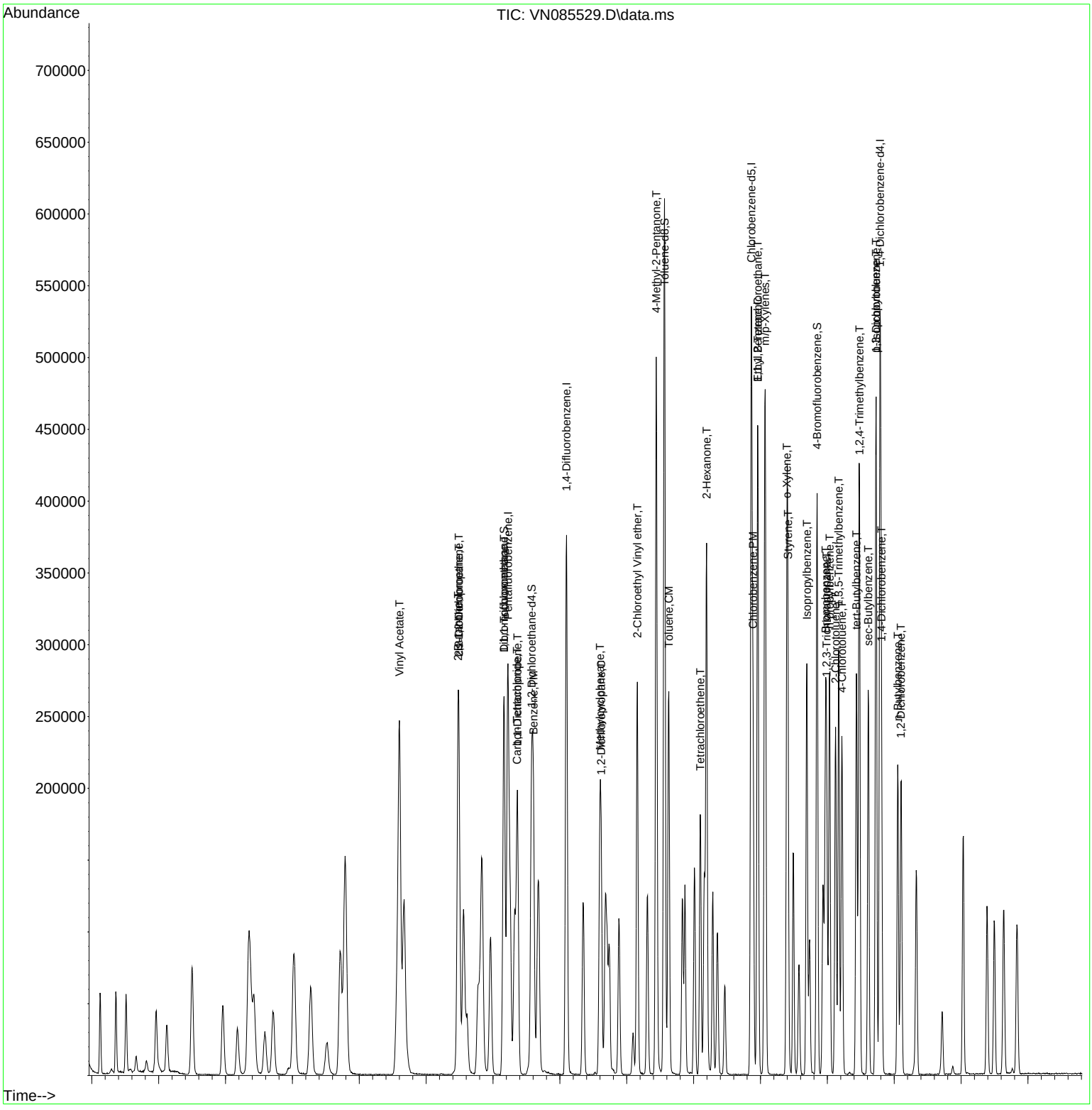
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085529.D
Acq On : 28 Jan 2025 11:15
Operator : JC\MD
Sample : VN0128WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 00:35:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025



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:	VX0127WBS01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBS01	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
VX044714.D	1		01/27/25 11:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.1		0.21	1.00	ug/L
74-87-3	Chloromethane	19.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.3		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	18.1		0.38	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	5.00	ug/L
75-00-3	Chloroethane	38.1		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.7		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	79.4		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.26	1.00	ug/L
107-02-8	Acrolein	69.5		6.70	25.0	ug/L
107-13-1	Acrylonitrile	90.5		0.90	5.00	ug/L
67-64-1	Acetone	80.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.4		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	90.5		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.0		1.60	5.00	ug/L
78-93-3	2-Butanone	90.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.7		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	15.8		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.6		0.18	1.00	ug/L
67-66-3	Chloroform	17.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	17.5		0.18	1.00	ug/L

Raw Data: **VX044714.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:	VX0127WBS01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBS01	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
VX044714.D	1		01/27/25 11:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	18.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.19	1.00	ug/L
74-95-3	Dibromomethane	17.3		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	17.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.9		0.75	5.00	ug/L
108-88-3	Toluene	18.3		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.3		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	18.2		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	77.7		1.80	5.00	ug/L
591-78-6	2-Hexanone	95.6		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	17.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	17.3		0.21	1.00	ug/L
67-72-1	Hexachloroethane	16.8		0	0	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.31	2.00	ug/L
95-47-6	o-Xylene	18.6		0.14	1.00	ug/L
100-42-5	Styrene	19.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.8		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	17.1		0.39	1.00	ug/L
108-86-1	Bromobenzene	17.6		0.26	1.00	ug/L
103-65-1	n-propylbenzene	18.3		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	17.8		0.16	1.00	ug/L

Raw Data: **VX044714.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:	VX0127WBS01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBS01	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
VX044714.D	1		01/27/25 11:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	18.0		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	18.2		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	17.7		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	17.9		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	18.5		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	18.1		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	18.5		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	14.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.6		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	17.2		0.31	1.00	ug/L
91-20-3	Naphthalene	17.8		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.6		74 - 125	83%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	48.4		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	5.543			
540-36-3	1,4-Difluorobenzene	349000	6.757			
3114-55-4	Chlorobenzene-d5	295000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	132000	12.018			

Raw Data: **VX044714.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:	VX0127WBS01	SDG No.:	Q1180
Lab Sample ID:	VX0127WBS01	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
VX044714.D	1		01/27/25 11:24	VX012725

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: **VX044714.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	194501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	294902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	132232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122056	41.574	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.140%			
35) Dibromofluoromethane	5.379	113	101687	45.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.620%			
50) Toluene-d8	8.640	98	374408	48.375	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.079	95	134911	46.759	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	44749	17.097	ug/l	97
3) Chloromethane	1.300	50	53678	18.965	ug/l	98
4) Vinyl Chloride	1.373	62	48425	17.316	ug/l	98
5) Bromomethane	1.593	94	12630	18.914	ug/l	98
6) Chloroethane	1.666	64	19537	38.097	ug/l	98
7) Trichlorofluoromethane	1.873	101	51664	16.716	ug/l	100
8) Diethyl Ether	2.129	74	17567	14.084	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	42834	18.436	ug/l	97
10) Methyl Iodide	2.446	142	52896	16.675	ug/l	98
11) Tert butyl alcohol	2.977	59	51998	79.447	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	42270	18.561	ug/l	97
13) Acrolein	2.233	56	21403	69.491	ug/l	99
14) Allyl chloride	2.660	41	77088	17.385	ug/l	98
15) Acrylonitrile	3.062	53	116149	90.479	ug/l	100
16) Acetone	2.379	43	93908	80.848	ug/l	99
17) Carbon Disulfide	2.501	76	114283	18.390	ug/l	99
18) Methyl Acetate	2.703	43	64807	18.085	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	141970	17.211	ug/l	98
20) Methylene Chloride	2.782	84	47323	17.495	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	41613	17.501	ug/l	98
22) Diisopropyl ether	3.757	45	145799	18.916	ug/l	95
23) Vinyl Acetate	3.715	43	610713	90.524	ug/l	99
24) 1,1-Dichloroethane	3.605	63	82157	17.974	ug/l	100
25) 2-Butanone	4.556	43	155565	90.078	ug/l	99
26) 2,2-Dichloropropane	4.464	77	70010	15.804	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	52012	17.390	ug/l	98
28) Bromochloromethane	4.891	49	39674	18.575	ug/l	95
29) Tetrahydrofuran	5.001	42	100494	90.213	ug/l	98
30) Chloroform	5.086	83	79982	17.339	ug/l	99
31) Cyclohexane	5.464	56	74004	20.018	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	68369	16.122	ug/l	99
36) 1,1-Dichloropropene	5.690	75	54103	17.510	ug/l	99
37) Ethyl Acetate	4.714	43	59455	18.069	ug/l	98
38) Carbon Tetrachloride	5.672	117	58196	16.744	ug/l	99
39) Methylcyclohexane	7.372	83	75160	18.324	ug/l	100
40) Benzene	6.031	78	177558	18.544	ug/l	97

Sample Results: **VX044714.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.916	41	33769	17.612 ug/l		99
42) 1,2-Dichloroethane	6.080	62	56940	16.294 ug/l		99
43) Isopropyl Acetate	6.336	43	106960	17.670 ug/l		99
44) Trichloroethene	7.122	130	40285	17.501 ug/l		97
45) 1,2-Dichloropropane	7.421	63	44906	18.632 ug/l		99
46) Dibromomethane	7.580	93	31751	17.306 ug/l		98
47) Bromodichloromethane	7.817	83	64021	17.015 ug/l		99
48) Methyl methacrylate	7.689	41	50455	17.957 ug/l		98
49) 1,4-Dioxane	7.659	88	22357	381.373 ug/l		98
51) 4-Methyl-2-Pentanone	8.567	43	320897	95.928 ug/l		99
52) Toluene	8.714	92	107306	18.310 ug/l		97
53) t-1,3-Dichloropropene	8.976	75	66983	17.231 ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	73698	17.484 ug/l		99
55) 1,1,2-Trichloroethane	9.146	97	43335	18.277 ug/l		98
56) Ethyl methacrylate	9.116	69	73260	17.970 ug/l		99
57) 1,3-Dichloropropane	9.305	76	73374	18.173 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	155542	77.714 ug/l		98
59) 2-Hexanone	9.427	43	235185	95.563 ug/l		100
60) Dibromochloromethane	9.518	129	47865	17.200 ug/l		98
61) 1,2-Dibromoethane	9.604	107	43546	17.525 ug/l		99
64) Tetrachloroethene	9.268	164	34603	18.686 ug/l		96
65) Chlorobenzene	10.073	112	116677	18.627 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39444	17.327 ug/l		98
67) Ethyl Benzene	10.189	91	203496	18.619 ug/l		99
68) m/p-Xylenes	10.299	106	154315	38.048 ug/l		97
69) o-Xylene	10.640	106	76225	18.584 ug/l		100
70) Styrene	10.652	104	127161	19.202 ug/l		98
71) Bromoform	10.799	173	32859	17.735 ug/l	#	100
73) Isopropylbenzene	10.957	105	192068	17.780 ug/l		100
74) N-amyl acetate	10.841	43	92250	17.326 ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	67283	18.034 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	54906m	17.110 ug/l		
77) Bromobenzene	11.195	156	44539	17.640 ug/l		97
78) n-propylbenzene	11.299	91	218400	18.333 ug/l		100
79) 2-Chlorotoluene	11.360	91	137301	17.842 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	158002	17.967 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	23991	17.096 ug/l		95
82) 4-Chlorotoluene	11.451	91	153401	18.197 ug/l		97
83) tert-Butylbenzene	11.713	119	162534	17.676 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	159915	17.895 ug/l		99
85) sec-Butylbenzene	11.890	105	197899	18.485 ug/l		99
86) p-Isopropyltoluene	12.006	119	159273	18.102 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	80761	18.444 ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	80443	18.173 ug/l		100
89) n-Butylbenzene	12.329	91	140139	18.544 ug/l		99
90) Hexachloroethane	12.536	117	33393	16.760 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	81242	18.066 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	13195	14.461 ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	47294	17.593 ug/l		99
94) Hexachlorobutadiene	13.725	225	18173	17.210 ug/l		97
95) Naphthalene	13.774	128	184203	17.766 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	49087	17.616 ug/l		99

Sample Results: **VX044714.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

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

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

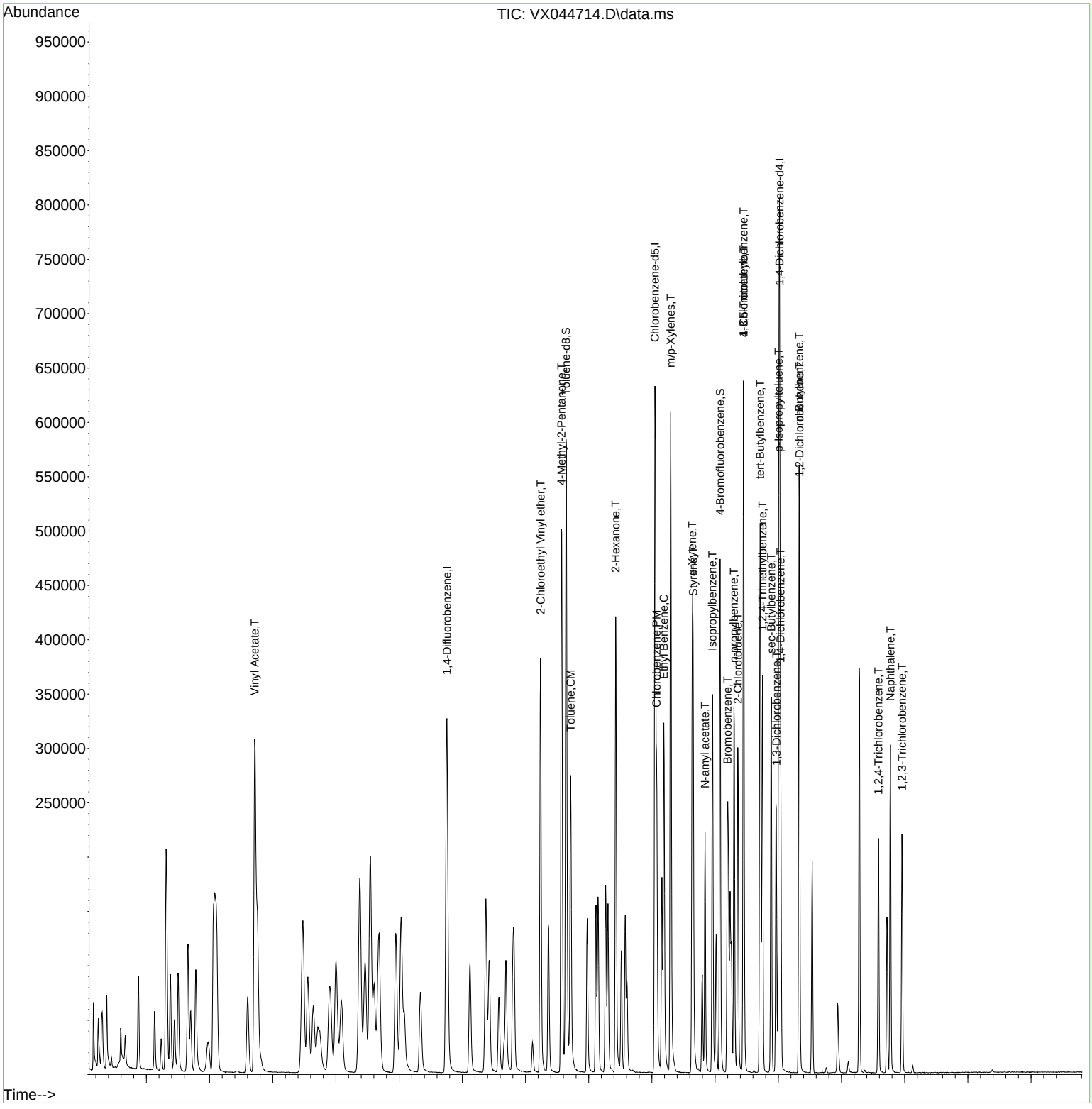
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



Raw Data: **VN085530.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:	VN0128WBSD01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085530.D	1		01/28/25 11:48	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.8		0.21	1.00	ug/L
74-87-3	Chloromethane	17.7		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.8		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	21.3		0.38	1.00	ug/L
74-83-9	Bromomethane	18.0		1.40	5.00	ug/L
75-00-3	Chloroethane	19.6		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	120		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.26	1.00	ug/L
107-02-8	Acrolein	89.1		6.70	25.0	ug/L
107-13-1	Acrylonitrile	110		0.90	5.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.9		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	110		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	21.7		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	16.8		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.7		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	19.1		0.18	1.00	ug/L

Raw Data: **VN085530.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:	VN0128WBSD01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085530.D	1		01/28/25 11:48	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
74-95-3	Dibromomethane	21.0		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	21.7		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	21.5		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.8		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.5		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	21.9		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	98.6		1.80	5.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.2		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	21.4		0.21	1.00	ug/L
67-72-1	Hexachloroethane	20.1		0	0	ug/L
100-41-4	Ethyl Benzene	20.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	43.4		0.31	2.00	ug/L
95-47-6	o-Xylene	20.8		0.14	1.00	ug/L
100-42-5	Styrene	21.3		0.16	1.00	ug/L
75-25-2	Bromoform	22.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	21.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.8		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	23.6		0.39	1.00	ug/L
108-86-1	Bromobenzene	21.0		0.26	1.00	ug/L
103-65-1	n-propylbenzene	21.7		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	21.7		0.16	1.00	ug/L

Raw Data: **VN085530.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN0128WBSD01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085530.D	1		01/28/25 11:48	VN012825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	21.8		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	21.5		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	21.1		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	22.2		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	21.3		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.8		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	20.3		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.6		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	19.6		0.31	1.00	ug/L
91-20-3	Naphthalene	19.3		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.4		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	8.224			
540-36-3	1,4-Difluorobenzene	310000	9.1			
3114-55-4	Chlorobenzene-d5	273000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.788			

Raw Data: **VN085530.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:	VN0128WBSD01	SDG No.:	Q1180
Lab Sample ID:	VN0128WBSD01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085530.D	1		01/28/25 11:48	VN012825

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_N\Data\VN012825\
Data File : VN085530.D
Acq On : 28 Jan 2025 11:48
Operator : JC\MD
Sample : VN0128WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 00:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	182154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147838	50.279	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.560%			
35) Dibromofluoromethane	8.165	113	107958	50.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.440%			
50) Toluene-d8	10.565	98	390099	51.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.847	95	133187	50.978	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43993	17.838	ug/l	98
3) Chloromethane	2.359	50	47315	17.719	ug/l	99
4) Vinyl Chloride	2.512	62	47895	17.844	ug/l	98
5) Bromomethane	2.959	94	29197	18.008	ug/l	93
6) Chloroethane	3.118	64	33369	19.610	ug/l	98
7) Trichlorofluoromethane	3.501	101	75960	19.504	ug/l	99
8) Diethyl Ether	3.965	74	26094	19.395	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	44549	20.309	ug/l	98
10) Methyl Iodide	4.583	142	50174	19.974	ug/l	99
11) Tert butyl alcohol	5.518	59	39612	117.652	ug/l	98
12) 1,1-Dichloroethene	4.342	96	38078	19.478	ug/l	96
13) Acrolein	4.183	56	40971	89.143	ug/l	96
14) Allyl chloride	5.024	41	61288	19.320	ug/l	98
15) Acrylonitrile	5.718	53	117305	109.689	ug/l	97
16) Acetone	4.424	43	102700	108.100	ug/l	95
17) Carbon Disulfide	4.712	76	97539	16.205	ug/l	99
18) Methyl Acetate	5.024	43	67889	23.500	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	139282	21.942	ug/l	100
20) Methylene Chloride	5.277	84	46285	19.680	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	39520	18.916	ug/l	94
22) Diisopropyl ether	6.665	45	150475	21.371	ug/l	98
23) Vinyl Acetate	6.600	43	520716	105.676	ug/l	100
24) 1,1-Dichloroethane	6.565	63	87788	20.448	ug/l	99
25) 2-Butanone	7.477	43	154236	110.320	ug/l	96
26) 2,2-Dichloropropane	7.489	77	75260	21.682	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	49722	20.206	ug/l	98
28) Bromochloromethane	7.812	49	33640	16.842	ug/l	97
29) Tetrahydrofuran	7.841	42	101879	114.937	ug/l	100
30) Chloroform	7.965	83	91378	20.593	ug/l	99
31) Cyclohexane	8.253	56	65567	17.571	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	78366	20.134	ug/l	98
36) 1,1-Dichloropropene	8.371	75	57513	19.063	ug/l	99
37) Ethyl Acetate	7.553	43	64941	21.326	ug/l	99
38) Carbon Tetrachloride	8.359	117	69210	20.038	ug/l	96
39) Methylcyclohexane	9.600	83	52898	18.659	ug/l	99
40) Benzene	8.606	78	183341	20.225	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085530.D
Acq On : 28 Jan 2025 11:48
Operator : JC\MD
Sample : VN0128WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 00:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	33920	21.410	ug/l		98
42) 1,2-Dichloroethane	8.665	62	73450	21.514	ug/l		100
43) Isopropyl Acetate	8.683	43	105226	21.565	ug/l		100
44) Trichloroethene	9.353	130	40907	19.386	ug/l		99
45) 1,2-Dichloropropane	9.618	63	47937	20.703	ug/l		98
46) Dibromomethane	9.706	93	35054	20.981	ug/l		98
47) Bromodichloromethane	9.882	83	73992	21.738	ug/l		95
48) Methyl methacrylate	9.677	41	48128	21.918	ug/l		97
49) 1,4-Dioxane	9.688	88	17249	466.467	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	334158	118.016	ug/l		100
52) Toluene	10.624	92	113049	21.523	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	69056	21.468	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	74974	21.821	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	44789	21.547	ug/l		92
56) Ethyl methacrylate	10.871	69	65671	19.962	ug/l		98
57) 1,3-Dichloropropane	11.159	76	78972	21.850	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	129996	98.550	ug/l		100
59) 2-Hexanone	11.194	43	235784	118.347	ug/l		99
60) Dibromochloromethane	11.359	129	54955	21.899	ug/l		99
61) 1,2-Dibromoethane	11.465	107	43841	21.189	ug/l		98
64) Tetrachloroethene	11.100	164	39045	20.962	ug/l		97
65) Chlorobenzene	11.888	112	123448	20.625	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	47119	21.449	ug/l		97
67) Ethyl Benzene	11.959	91	200961	20.614	ug/l		99
68) m/p-Xylenes	12.071	106	156444	43.421	ug/l		98
69) o-Xylene	12.394	106	71566	20.785	ug/l		98
70) Styrene	12.412	104	121646	21.347	ug/l		98
71) Bromoform	12.576	173	35363	22.498	ug/l	#	99
73) Isopropylbenzene	12.694	105	183110	21.200	ug/l		100
74) N-amyl acetate	12.494	43	84761	21.833	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	66402	21.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	61286m	23.561	ug/l		
77) Bromobenzene	12.976	156	47394	21.002	ug/l		100
78) n-propylbenzene	13.035	91	222149	21.726	ug/l		99
79) 2-Chlorotoluene	13.123	91	143547	21.691	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	155679	21.820	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21365	22.223	ug/l		97
82) 4-Chlorotoluene	13.218	91	141708	21.506	ug/l		99
83) tert-Butylbenzene	13.435	119	126399	21.097	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	158115	22.236	ug/l		99
85) sec-Butylbenzene	13.612	105	176846	21.297	ug/l		100
86) p-Isopropyltoluene	13.729	119	144432	20.822	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	87193	20.981	ug/l		97
88) 1,4-Dichlorobenzene	13.812	146	87963	20.420	ug/l		98
89) n-Butylbenzene	14.053	91	121076	20.324	ug/l		99
90) Hexachloroethane	14.329	117	31810	20.123	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	84554	20.397	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12008	21.553	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	37673	19.554	ug/l		96
94) Hexachlorobutadiene	15.500	225	20093	19.644	ug/l		98
95) Naphthalene	15.641	128	110672	19.250	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	39684	20.356	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085530.D
Acq On : 28 Jan 2025 11:48
Operator : JC\MD
Sample : VN0128WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 00:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025

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

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

Sample Results: **VN085530.D**

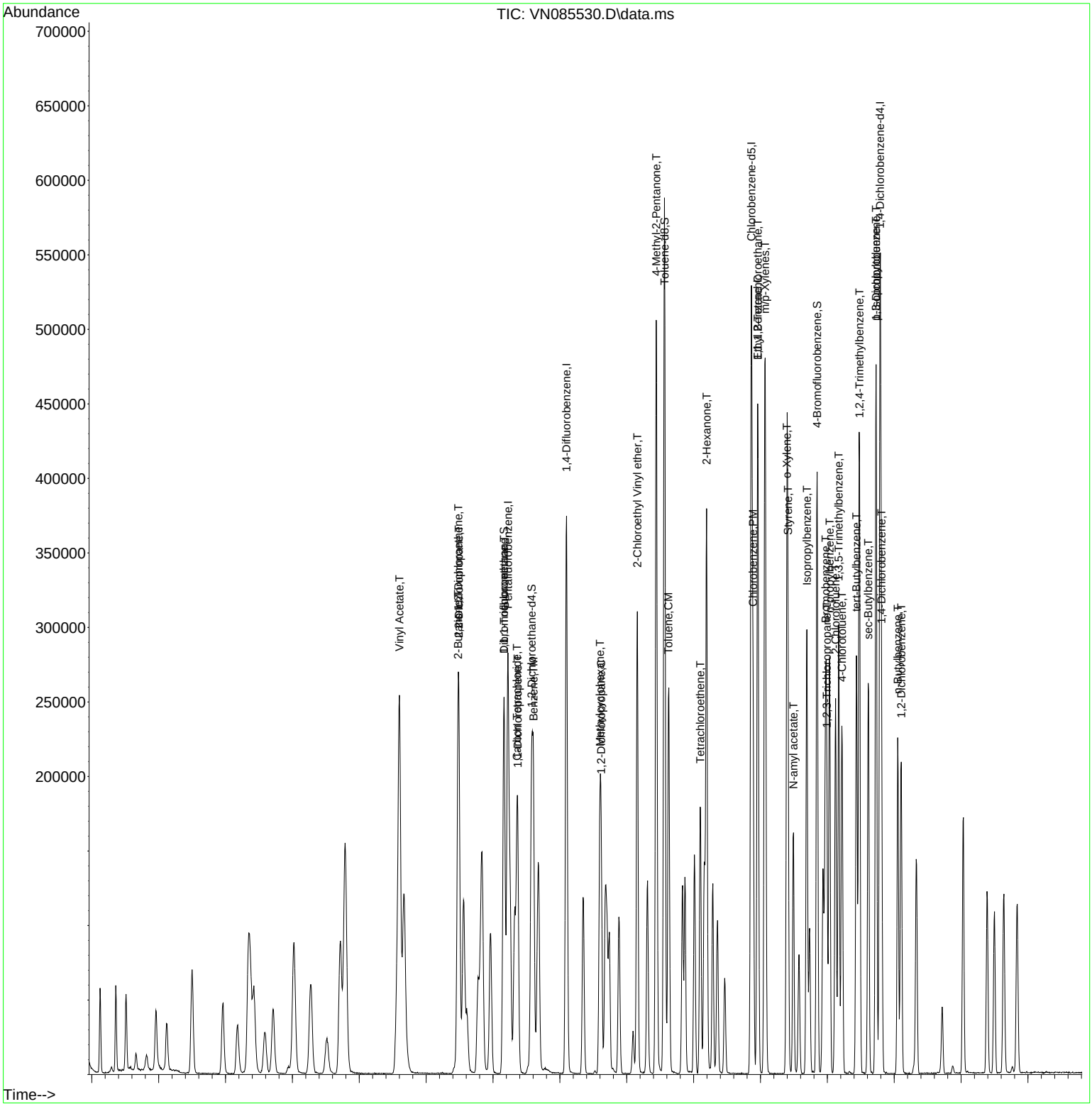
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012825\
Data File : VN085530.D
Acq On : 28 Jan 2025 11:48
Operator : JC\MD
Sample : VN0128WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 29 00:36:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/29/2025
Supervised By :Semsettin Yesilyurt 01/29/2025



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

Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085438.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:09 AM	MMDadoda	1/15/2025 12:55:19 PM	Peak Integrated by Software
VSTDICCC050	VN085439.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:14 AM	MMDadoda	1/15/2025 12:55:22 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	Vinyl Acetate	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC010	VN085441.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:23 AM	MMDadoda	1/15/2025 12:55:29 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Ethyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Vinyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1,2-Trichlorotrifluoroet hane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1-Dichloroethane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,4-Dichlorobenzene	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085443.D	2-Butanone	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Ethyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Vinyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN012825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085526.D	1,2,3-Trichloropropane	JOHN	1/29/2025 9:37:19 AM	SAM	1/29/2025 12:55:25 PM	Peak Integrated by Software
VN0128WBS01	VN085529.D	1,2,3-Trichloropropane	JOHN	1/29/2025 9:37:23 AM	SAM	1/29/2025 12:55:23 PM	Peak Integrated by Software
VN0128WBSD01	VN085530.D	1,2,3-Trichloropropane	JOHN	1/29/2025 9:37:28 AM	SAM	1/29/2025 12:55:21 PM	Peak Integrated by Software
VSTDCCC050	VN085546.D	1,2,3-Trichloropropane	JOHN	1/29/2025 9:37:40 AM	SAM	1/29/2025 12:55:20 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX011525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044648.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC001	VX044648.D	1,4-Dichlorobenzene	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC001	VX044648.D	Methacrylonitrile	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC005	VX044649.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:49:56 PM	SAM	1/16/2025 7:37:34 AM	Peak Integrated by Software
VSTDICC005	VX044649.D	Tert butyl alcohol	JOHN	1/15/2025 3:49:56 PM	SAM	1/16/2025 7:37:34 AM	Peak Integrated by Software
VSTDICC020	VX044650.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:00 PM	SAM	1/16/2025 7:37:35 AM	Peak Integrated by Software
VSTDICC020	VX044650.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:00 PM	SAM	1/16/2025 7:37:35 AM	Peak Integrated by Software
VSTDICCC050	VX044651.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:04 PM	SAM	1/16/2025 7:37:43 AM	Peak Integrated by Software
VSTDICCC050	VX044651.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:04 PM	SAM	1/16/2025 7:37:43 AM	Peak Integrated by Software
VSTDICC100	VX044652.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:09 PM	SAM	1/16/2025 7:37:45 AM	Peak Integrated by Software
VSTDICC100	VX044652.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:09 PM	SAM	1/16/2025 7:37:45 AM	Peak Integrated by Software
VSTDICC150	VX044653.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:13 PM	SAM	1/16/2025 7:37:47 AM	Peak Integrated by Software
VSTDICC150	VX044653.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:13 PM	SAM	1/16/2025 7:37:47 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX011525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX044655.D	1,2,3-Trichloropropane	MMDADODA	1/16/2025 7:35:14 AM	SAM	1/16/2025 7:37:49 AM	Peak Integrated by Software
VSTDICV050	VX044655.D	Tert butyl alcohol	MMDADODA	1/16/2025 7:35:14 AM	SAM	1/16/2025 7:37:49 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX012725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044711.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VSTDCCC050	VX044711.D	Chloroethane	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VSTDCCC050	VX044711.D	Tert butyl alcohol	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VX0127WBS01	VX044714.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:04 AM	MMDadoda	1/28/2025 2:28:02 PM	Peak Integrated by Software
VSTDCCC050	VX044734.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:21 AM	MMDadoda	1/28/2025 2:28:03 PM	Peak Integrated by Software
VSTDCCC050	VX044734.D	Chloroethane	JOHN	1/28/2025 10:00:21 AM	MMDadoda	1/28/2025 2:28:03 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM				
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM				
SubDirectory	VN011425	HP Acquire Method	MSVOA_N		HP Processing Method	82N011425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085437.D	14 Jan 2025 14:22	JC\MD	Ok
2	VSTDICC100	VN085438.D	14 Jan 2025 14:56	JC\MD	Ok,M
3	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	JC\MD	Ok,M
4	VSTDICC020	VN085440.D	14 Jan 2025 15:43	JC\MD	Ok,M
5	VSTDICC010	VN085441.D	14 Jan 2025 16:07	JC\MD	Ok,M
6	VSTDICC005	VN085442.D	14 Jan 2025 16:31	JC\MD	Ok,M
7	VSTDICC001	VN085443.D	14 Jan 2025 17:19	JC\MD	Ok,M
8	IBLK	VN085444.D	14 Jan 2025 17:42	JC\MD	Ok
9	VSTDICV050	VN085445.D	14 Jan 2025 18:06	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085525.D	28 Jan 2025 09:17	JC\MD	Ok
2	VSTDCCC050	VN085526.D	28 Jan 2025 09:53	JC\MD	Ok,M
3	VN0128MBL01	VN085527.D	28 Jan 2025 10:27	JC\MD	Ok
4	VN0128WBL01	VN085528.D	28 Jan 2025 10:51	JC\MD	Ok
5	VN0128WBS01	VN085529.D	28 Jan 2025 11:15	JC\MD	Ok,M
6	VN0128WBSD01	VN085530.D	28 Jan 2025 11:48	JC\MD	Ok,M
7	IBLK	VN085531.D	28 Jan 2025 12:12	JC\MD	Ok
8	Q1180-04	VN085532.D	28 Jan 2025 12:36	JC\MD	Ok
9	Q1194-09	VN085533.D	28 Jan 2025 13:00	JC\MD	Ok
10	Q1199-01	VN085534.D	28 Jan 2025 13:24	JC\MD	Ok
11	Q1199-02	VN085535.D	28 Jan 2025 13:49	JC\MD	Ok
12	Q1199-03	VN085536.D	28 Jan 2025 14:13	JC\MD	Ok
13	Q1199-04	VN085537.D	28 Jan 2025 14:37	JC\MD	Ok
14	Q1199-05	VN085538.D	28 Jan 2025 15:01	JC\MD	Ok
15	Q1199-06	VN085539.D	28 Jan 2025 15:25	JC\MD	ReRun
16	Q1199-07	VN085540.D	28 Jan 2025 15:49	JC\MD	Ok
17	PB166233ZHE#11	VN085541.D	28 Jan 2025 16:13	JC\MD	Ok
18	PB166233ZHE#12	VN085542.D	28 Jan 2025 16:37	JC\MD	Ok
19	PB166233ZHE#13	VN085543.D	28 Jan 2025 17:01	JC\MD	Ok
20	IBLK	VN085544.D	28 Jan 2025 17:25	JC\MD	Ok
21	Q1199-06	VN085545.D	28 Jan 2025 17:50	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VN085546.D	28 Jan 2025 18:14	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX011525

Review By	John Carlone	Review On	1/15/2025 4:32:35 PM		
Supervise By	Mahesh Dadoda	Supervise On	1/16/2025 7:35:39 AM		
SubDirectory	VX011525	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132553
Initial Calibration Stds	VP132558,VP132559,VP132560,VP132561,VP132562,VP132563
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132564
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044647.D	15 Jan 2025 09:30	JC/MD	Ok
2	VSTDICC001	VX044648.D	15 Jan 2025 10:31	JC/MD	Ok,M
3	VSTDICC005	VX044649.D	15 Jan 2025 11:17	JC/MD	Ok,M
4	VSTDICC020	VX044650.D	15 Jan 2025 11:40	JC/MD	Ok,M
5	VSTDICCC050	VX044651.D	15 Jan 2025 12:02	JC/MD	Ok,M
6	VSTDICC100	VX044652.D	15 Jan 2025 13:14	JC/MD	Ok,M
7	VSTDICC150	VX044653.D	15 Jan 2025 13:37	JC/MD	Ok,M
8	IBLK	VX044654.D	15 Jan 2025 14:00	JC/MD	Ok
9	VSTDICV050	VX044655.D	15 Jan 2025 15:15	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044710.D	27 Jan 2025 08:47	JC/MD	Ok
2	VSTDCCC050	VX044711.D	27 Jan 2025 10:08	JC/MD	Ok,M
3	VX0127MBL01	VX044712.D	27 Jan 2025 10:38	JC/MD	Ok
4	VX0127WBL01	VX044713.D	27 Jan 2025 11:01	JC/MD	Ok
5	VX0127WBS01	VX044714.D	27 Jan 2025 11:24	JC/MD	Ok,M
6	VX0127WBSD01	VX044715.D	27 Jan 2025 11:52	JC/MD	Ok,M
7	Q1173-06	VX044716.D	27 Jan 2025 12:15	JC/MD	Ok
8	Q1173-01	VX044717.D	27 Jan 2025 12:38	JC/MD	Ok
9	Q1173-02	VX044718.D	27 Jan 2025 13:01	JC/MD	Ok
10	Q1173-03	VX044719.D	27 Jan 2025 13:24	JC/MD	Ok
11	Q1173-04	VX044720.D	27 Jan 2025 13:47	JC/MD	Ok
12	Q1173-05	VX044721.D	27 Jan 2025 14:09	JC/MD	Ok
13	PB166212TB	VX044722.D	27 Jan 2025 14:32	JC/MD	Ok
14	PB166212ZHE#01	VX044723.D	27 Jan 2025 14:55	JC/MD	Ok
15	PB166212ZHE#02	VX044724.D	27 Jan 2025 15:18	JC/MD	Ok
16	PB166212ZHE#03	VX044725.D	27 Jan 2025 15:42	JC/MD	Ok
17	Q1169-02	VX044726.D	27 Jan 2025 16:04	JC/MD	Ok
18	Q1169-04	VX044727.D	27 Jan 2025 16:28	JC/MD	Ok
19	Q1169-06	VX044728.D	27 Jan 2025 16:51	JC/MD	Ok
20	IBLK	VX044729.D	27 Jan 2025 17:14	JC/MD	Ok
21	Q1180-01	VX044730.D	27 Jan 2025 17:37	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1180-02	VX044731.D	27 Jan 2025 18:00	JC/MD	Ok
23	Q1180-03	VX044732.D	27 Jan 2025 18:23	JC/MD	Ok
24	Q1180-04	VX044733.D	27 Jan 2025 18:46	JC/MD	ReRun
25	VSTDCCC050	VX044734.D	27 Jan 2025 19:09	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM		
SubDirectory	VN011425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085437.D	14 Jan 2025 14:22		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085438.D	14 Jan 2025 14:56		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	Comp.#56 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085440.D	14 Jan 2025 15:43	Comp.#86 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085441.D	14 Jan 2025 16:07		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085442.D	14 Jan 2025 16:31		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085443.D	14 Jan 2025 17:19		JC\MD	Ok,M
8	IBLK	IBLK	VN085444.D	14 Jan 2025 17:42		JC\MD	Ok
9	VSTDICV050	ICVVN011425	VN085445.D	14 Jan 2025 18:06		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085525.D	28 Jan 2025 09:17		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085526.D	28 Jan 2025 09:53	V13516	JC\MD	Ok,M
3	VN0128MBL01	VN0128MBL01	VN085527.D	28 Jan 2025 10:27		JC\MD	Ok
4	VN0128WBL01	VN0128WBL01	VN085528.D	28 Jan 2025 10:51		JC\MD	Ok
5	VN0128WBS01	VN0128WBS01	VN085529.D	28 Jan 2025 11:15		JC\MD	Ok,M
6	VN0128WBSD01	VN0128WBSD01	VN085530.D	28 Jan 2025 11:48		JC\MD	Ok,M
7	IBLK	IBLK	VN085531.D	28 Jan 2025 12:12		JC\MD	Ok
8	Q1180-04	Storage-Blank-SAMPLE	VN085532.D	28 Jan 2025 12:36	vial B pH<2	JC\MD	Ok
9	Q1194-09	FB	VN085533.D	28 Jan 2025 13:00	vial B pH<2 FB	JC\MD	Ok
10	Q1199-01	BP-VPB-192-TB-20250	VN085534.D	28 Jan 2025 13:24	vial A pH<2 TB	JC\MD	Ok
11	Q1199-02	BP-VPB-192-EB-20250	VN085535.D	28 Jan 2025 13:49	vial A pH<2 EB	JC\MD	Ok
12	Q1199-03	BP-VPB-192-GW-280-2	VN085536.D	28 Jan 2025 14:13	vial A pH<2	JC\MD	Ok
13	Q1199-04	BP-VPB-192-GW-260-2	VN085537.D	28 Jan 2025 14:37	vial A pH<2	JC\MD	Ok
14	Q1199-05	BP-VPB-192-GW-240-2	VN085538.D	28 Jan 2025 15:01	vial A pH<2	JC\MD	Ok
15	Q1199-06	BP-VPB-192-GW-220-2	VN085539.D	28 Jan 2025 15:25	vial A pH<2 Surrogate Fail	JC\MD	ReRun
16	Q1199-07	BP-VPB-192-GW-DUP-	VN085540.D	28 Jan 2025 15:49	vial A pH<2	JC\MD	Ok
17	PB166233ZHE#11	PB166233ZHE#11	VN085541.D	28 Jan 2025 16:13		JC\MD	Ok
18	PB166233ZHE#12	PB166233ZHE#12	VN085542.D	28 Jan 2025 16:37		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN012825

Review By	John Carlone	Review On	1/29/2025 9:40:00 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/29/2025 12:55:29 PM		
SubDirectory	VN012825	HP Acquire Method		HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132723
Initial Calibration Stds	
CCC	VP132724,VP132725
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB166233ZHE#13	PB166233ZHE#13	VN085543.D	28 Jan 2025 17:01		JC\MD	Ok
20	IBLK	IBLK	VN085544.D	28 Jan 2025 17:25		JC\MD	Ok
21	Q1199-06	BP-VPB-192-GW-220-2	VN085545.D	28 Jan 2025 17:50	vial B pH<2	JC\MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VN085546.D	28 Jan 2025 18:14		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX011525

Review By	John Carlone	Review On	1/15/2025 4:32:35 PM		
Supervise By	Mahesh Dadoda	Supervise On	1/16/2025 7:35:39 AM		
SubDirectory	VX011525	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132553
Initial Calibration Stds	VP132558,VP132559,VP132560,VP132561,VP132562,VP132563
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132564
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044647.D	15 Jan 2025 09:30		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044648.D	15 Jan 2025 10:31		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044649.D	15 Jan 2025 11:17		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044650.D	15 Jan 2025 11:40		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044651.D	15 Jan 2025 12:02	Method failed for Acrolein	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044652.D	15 Jan 2025 13:14		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044653.D	15 Jan 2025 13:37		JC/MD	Ok,M
8	IBLK	IBLK	VX044654.D	15 Jan 2025 14:00		JC/MD	Ok
9	VSTDICV050	ICVVX011525	VX044655.D	15 Jan 2025 15:15		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044710.D	27 Jan 2025 08:47		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044711.D	27 Jan 2025 10:08	V13516	JC/MD	Ok,M
3	VX0127MBL01	VX0127MBL01	VX044712.D	27 Jan 2025 10:38		JC/MD	Ok
4	VX0127WBL01	VX0127WBL01	VX044713.D	27 Jan 2025 11:01		JC/MD	Ok
5	VX0127WBS01	VX0127WBS01	VX044714.D	27 Jan 2025 11:24		JC/MD	Ok,M
6	VX0127WBSD01	VX0127WBSD01	VX044715.D	27 Jan 2025 11:52		JC/MD	Ok,M
7	Q1173-06	VPB-192-HYD-2025012	VX044716.D	27 Jan 2025 12:15	vial A pH<2	JC/MD	Ok
8	Q1173-01	BP-VPB-192-TB-20250	VX044717.D	27 Jan 2025 12:38	vial A pH<2	JC/MD	Ok
9	Q1173-02	BP-VPB-192-GW-60-62	VX044718.D	27 Jan 2025 13:01	vial A pH<2	JC/MD	Ok
10	Q1173-03	BP-VPB-192-GW-100-1	VX044719.D	27 Jan 2025 13:24	vial A pH<2	JC/MD	Ok
11	Q1173-04	BP-VPB-192-GW-140-1	VX044720.D	27 Jan 2025 13:47	vial A pH<2	JC/MD	Ok
12	Q1173-05	BP-VPB-192-GW-200-2	VX044721.D	27 Jan 2025 14:09	vial A pH<2	JC/MD	Ok
13	PB166212TB	PB166212TB	VX044722.D	27 Jan 2025 14:32		JC/MD	Ok
14	PB166212ZHE#01	PB166212ZHE#01	VX044723.D	27 Jan 2025 14:55		JC/MD	Ok
15	PB166212ZHE#02	PB166212ZHE#02	VX044724.D	27 Jan 2025 15:18		JC/MD	Ok
16	PB166212ZHE#03	PB166212ZHE#03	VX044725.D	27 Jan 2025 15:42		JC/MD	Ok
17	Q1169-02	ARS20-0006	VX044726.D	27 Jan 2025 16:04	vial A pH#5.0	JC/MD	Ok
18	Q1169-04	REGULATOR-BUILDIN	VX044727.D	27 Jan 2025 16:28	vial A pH#5.0	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1169-06	SPILL-SITE	VX044728.D	27 Jan 2025 16:51	vial A pH#5.0	JC/MD	Ok
20	IBLK	IBLK	VX044729.D	27 Jan 2025 17:14		JC/MD	Ok
21	Q1180-01	Storage-Blank-SOIL-RE	VX044730.D	27 Jan 2025 17:37	vial A pH<2	JC/MD	Ok
22	Q1180-02	Storage-Blank-WATER-	VX044731.D	27 Jan 2025 18:00	vial A pH<2	JC/MD	Ok
23	Q1180-03	Storage-Blank-WATER-	VX044732.D	27 Jan 2025 18:23	vial A pH<2	JC/MD	Ok
24	Q1180-04	Storage-Blank-SAMPLE	VX044733.D	27 Jan 2025 18:46	Surrogate Fail	JC/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VX044734.D	27 Jan 2025 19:09		JC/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/27/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:30
In Date: 01/24/2025
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: 01/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134400

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
Q1076-04	ARS20-0006	1	1.15	8.68	9.83	8.99	90.3	
Q1180-05	SVOC-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1180-06	PEST-GPC-BLANK	3	1.00	1.00	2.00	2.00	100.0	
Q1180-07	PEST-GPC-BLANK-SPIKE	4	1.00	1.00	2.00	2.00	100.0	
Q1180-08	PCB-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q1180-09	PCB-GPC-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q1180-10	SVOC-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1180-11	PEST-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q1180-12	PEST-GPC2-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
Q1180-13	PCB-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
Q1180-14	PCB-GPC2-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
Q1183-01	VNJ-237	12	1.15	8.82	9.97	8.95	88.4	
Q1183-02	VNJ-237-E2	13	1.15	8.44	9.59	8.69	89.3	
Q1187-01	SP-COMP	14	1.16	8.80	9.96	9.38	93.4	
Q1187-02	SP-COMPE-E2	15	1.16	8.81	9.97	9.47	94.3	

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

WORKLIST(Hardcopy Internal Chain)

UB 134400

WorkList Name : %1-012425 **WorkList ID :** 187109 **Department :** Wet-Chemistry **Date :** 01-24-2025 07:50:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1076-04	ARS20-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/13/2025	Chemtech -SO
Q1180-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1180-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1183-01	VNJ-237	Solid	Percent Solids	Cool 4 deg C	CHEM02	E11	01/24/2025	Chemtech -SO
Q1183-02	VNJ-237-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/24/2025	Chemtech -SO
Q1187-01	SP-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/24/2025	Chemtech -SO
Q1187-02	SP-COMPE-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/24/2025	Chemtech -SO

Date/Time 01/24/25 1510.00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: IT (Sam)

Date/Time 01/24/25 1710.00

Raw Sample Received by: IT (Sam)

Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

#1

CHEMTECH

CHAIN OF CUSTODY RECORD

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

Chemtech Project Number	Q1120
COC Number	

CLIENT INFORMATION

Report to be sent to:

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

PROJECT INFORMATION

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

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1. VOC-Drinking 524
2. SVOC-FULL+25 8270
3. PESTICIDE-TCL
4. PCB
5.
6.
7.
8.
9.

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

PRESERVATIVES: <--Specify Preservatives: A-HCl, B-HNO_3, C-H_2SO_4, D-NaOH, E-ICE, F-OTHER

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. SCM	01/24/25	1.
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

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

Comments:

Page 1 of 2

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

Shipment Complete ☑ YES ☐ NO

10/2018

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

CHEMTECH
CHAIN OF CUSTODY RECORD

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

#2

Chemtech Project Number: Q1180
COC Number:

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

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

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

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

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

ANALYSIS
1. VOC-[illegible]
2. [illegible]
3. PESTS CT [illegible]
4. PCB
5.
6.
7.
8.
9.

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

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

RELINQUISHED BY	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER 1. Sam	01/24/25	1.
RELINQUISHED BY 2.		2.
RELINQUISHED BY 3.		RECEIVED FOR LAB BY 3.

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

Page 2 of 2

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

Shipment Complete: ☒ YES ☐ NO

10/2018

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

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