

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
 Data File : VT019215.D
 Acq On : 30 Oct 2025 13:22
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/31/2025
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:04:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 31 02:02:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.601	168	141408	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	8.594	114	242242	50.000	ug/l	0.05
63) Chlorobenzene-d5	11.766	117	197062	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.976	152	94182	50.000	ug/l	0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.983	65	113352	49.835	ug/l	0.05
Spiked Amount 50.000			Recovery	=	99.680%	
35) Dibromofluoromethane	7.518	113	75472	49.260	ug/l	0.05
Spiked Amount 50.000			Recovery	=	98.520%	
50) Toluene-d8	10.268	98	306064	49.192	ug/l	0.04
Spiked Amount 50.000			Recovery	=	98.380%	
62) 4-Bromofluorobenzene	12.900	95	94356	48.241	ug/l	0.04
Spiked Amount 50.000			Recovery	=	96.480%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.884	85	2050	2.462	ug/l	90
3) Chloromethane	2.131	50	3942m	3.071	ug/l	
4) Vinyl Chloride	2.207	62	4151	2.528	ug/l	92
5) Bromomethane	2.548	94	4048	4.577	ug/l #	78
6) Chloroethane	2.689	64	3848	2.583	ug/l	92
7) Trichlorofluoromethane	2.994	101	7677	2.526	ug/l #	80
8) Diethyl Ether	3.376	74	3927	2.694	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.705	101	3619	2.454	ug/l #	84
10) Methyl Iodide	3.876	142	1929	1.616	ug/l #	83
11) Tert butyl alcohol	4.686	59	8241	17.045	ug/l #	86
12) 1,1-Dichloroethene	3.676	96	3390	2.488	ug/l	97
13) Acrolein	3.552	56	1454	17.629	ug/l	88
14) Allyl chloride	4.234	41	7132	2.654	ug/l	93
15) Acrylonitrile	4.874	53	16303	13.827	ug/l	99
16) Acetone	3.758	43	28754	18.539	ug/l	94
17) Carbon Disulfide	3.975	76	5821	3.143	ug/l #	75
18) Methyl Acetate	4.240	43	7625	1.905	ug/l	99
19) Methyl tert-butyl Ether	4.933	73	16449	2.673	ug/l	91
20) Methylene Chloride	4.451	84	4785	3.147	ug/l	91
21) trans-1,2-Dichloroethene	4.927	96	3145	2.710	ug/l	90
22) Diisopropyl ether	5.826	45	15093	2.366	ug/l	96
23) Vinyl Acetate	5.767	43	65291	14.325	ug/l	99
24) 1,1-Dichloroethane	5.720	63	7966	2.669	ug/l #	84
25) 2-Butanone	6.719	43	28394	16.321	ug/l	99
26) 2,2-Dichloropropane	6.713	77	6524	2.533	ug/l	98
27) cis-1,2-Dichloroethene	6.702	96	4393	2.698	ug/l	98
28) Bromochloromethane	7.101	49	221m	0.139	ug/l	
29) Tetrahydrofuran	7.119	42	13801	13.634	ug/l	92
30) Chloroform	7.283	83	7366	2.636	ug/l	92
31) Cyclohexane	7.595	56	9010	4.060	ug/l #	31
32) 1,1,1-Trichloroethane	7.495	97	6026	2.709	ug/l	98
36) 1,1-Dichloropropene	7.730	75	4494	2.608	ug/l	98
37) Ethyl Acetate	6.819	43	8605	2.933	ug/l #	83
38) Carbon Tetrachloride	7.712	117	4143	2.644	ug/l #	75
39) Methylcyclohexane	9.134	83	4794	2.518	ug/l	87
40) Benzene	8.000	78	15036	2.577	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.072	41	4461	3.023	ug/l	94
42) 1,2-Dichloroethane	8.088	62	5567	2.716	ug/l	99
43) Isopropyl Acetate	8.141	43	12645	2.711	ug/l	94
44) Trichloroethene	8.870	130	3347	2.935	ug/l	96
45) 1,2-Dichloropropane	9.181	63	3933	2.650	ug/l	96
46) Dibromomethane	9.281	93	2110	2.362	ug/l	93
47) Bromodichloromethane	9.498	83	5186	2.575	ug/l	94
48) Methyl methacrylate	9.269	41	5420	2.587	ug/l	89
49) 1,4-Dioxane	9.281	88	2510	63.778	ug/l	93
51) 4-Methyl-2-Pentanone	10.151	43	37954	13.509	ug/l	98
52) Toluene	10.339	92	9082	2.725	ug/l	98
53) t-1,3-Dichloropropene	10.597	75	5998	2.752	ug/l	94
54) cis-1,3-Dichloropropene	9.986	75	5948	2.635	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	3834	2.916	ug/l	94
56) Ethyl methacrylate	10.650	69	6504	2.574	ug/l	94
57) 1,3-Dichloropropane	10.961	76	6677	2.862	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.822	63	11023	16.211	ug/l	97
59) 2-Hexanone	11.014	43	30827	14.484	ug/l	96
60) Dibromochloromethane	11.191	129	3273	2.469	ug/l	94
61) 1,2-Dibromoethane	11.308	107	3454	2.821	ug/l	93
64) Tetrachloroethene	10.879	164	2544	2.840	ug/l	93
65) Chlorobenzene	11.796	112	9912	2.802	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.878	131	3061	2.528	ug/l	89
67) Ethyl Benzene	11.884	91	17679	2.673	ug/l	93
68) m/p-Xylenes	12.007	106	13512	5.532	ug/l	93
69) o-Xylene	12.383	106	6770	2.788	ug/l	93
70) Styrene	12.401	104	11562	2.644	ug/l	95
71) Bromoform	12.583	173	2327	2.513	ug/l #	95
73) Isopropylbenzene	12.724	105	16994	2.621	ug/l	97
74) N-amyl acetate	12.507	43	8668	2.650	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.012	83	6211	2.796	ug/l	95
76) 1,2,3-Trichloropropane	13.071	75	5281m	2.725	ug/l	
77) Bromobenzene	13.041	156	3703	2.692	ug/l	79
78) n-propylbenzene	13.112	91	20455	2.655	ug/l	98
79) 2-Chlorotoluene	13.206	91	11770	2.667	ug/l	100
80) 1,3,5-Trimethylbenzene	13.271	105	14203	2.727	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.783	75	1998	2.419	ug/l	96
82) 4-Chlorotoluene	13.323	91	12799	2.850	ug/l	93
83) tert-Butylbenzene	13.570	119	13258	2.750	ug/l	95
84) 1,2,4-Trimethylbenzene	13.623	105	13715	2.593	ug/l	98
85) sec-Butylbenzene	13.770	105	18552	2.624	ug/l	96
86) p-Isopropyltoluene	13.899	119	14784	2.504	ug/l	98
87) 1,3-Dichlorobenzene	13.899	146	8183	2.899	ug/l	97
88) 1,4-Dichlorobenzene	13.993	146	8172	2.874	ug/l	85
89) n-Butylbenzene	14.275	91	13868	2.543	ug/l	97
90) Hexachloroethane	14.581	117	2253	2.474	ug/l	94
91) 1,2-Dichlorobenzene	14.328	146	7979	2.886	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	15.039	75	1336	2.788	ug/l	93
93) 1,2,4-Trichlorobenzene	15.826	180	5266	2.961	ug/l	96
94) Hexachlorobutadiene	15.944	225	2056	2.803	ug/l	93
95) Naphthalene	16.108	128	18939	3.041	ug/l	98
96) 1,2,3-Trichlorobenzene	16.349	180	5339	3.043	ug/l	97

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

