

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
 Data File : VT019216.D
 Acq On : 30 Oct 2025 13:46
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 02:05:21 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	133165	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	8.594	114	224696	50.000	ug/l	0.05
63) Chlorobenzene-d5	11.766	117	186961	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.976	152	88377	50.000	ug/l	0.05
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.988	65	107639	50.253	ug/l	0.05
Spiked Amount 50.000			Recovery	=	100.500%	
35) Dibromofluoromethane	7.524	113	72769	51.205	ug/l	0.06
Spiked Amount 50.000			Recovery	=	102.400%	
50) Toluene-d8	10.268	98	285984	49.554	ug/l	0.04
Spiked Amount 50.000			Recovery	=	99.100%	
62) 4-Bromofluorobenzene	12.900	95	89704	49.443	ug/l	0.04
Spiked Amount 50.000			Recovery	=	98.880%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.884	85	1824	2.326	ug/l	87
3) Chloromethane	2.125	50	3807m	3.150	ug/l	
4) Vinyl Chloride	2.207	62	3901	2.523	ug/l #	88
5) Bromomethane	2.559	94	3998	4.801	ug/l	85
6) Chloroethane	2.695	64	3437	2.450	ug/l	99
7) Trichlorofluoromethane	3.000	101	6974	2.436	ug/l	97
8) Diethyl Ether	3.376	74	3745	2.728	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.693	101	3358	2.418	ug/l #	81
10) Methyl Iodide	3.887	142	1745	1.552	ug/l #	83
11) Tert butyl alcohol	4.704	59	8569	18.821	ug/l #	91
12) 1,1-Dichloroethene	3.682	96	2989	2.329	ug/l #	83
13) Acrolein	3.564	56	1497	19.274	ug/l	99
14) Allyl chloride	4.240	41	6280	2.482	ug/l #	84
15) Acrylonitrile	4.869	53	16648	14.993	ug/l	97
16) Acetone	3.758	43	25261	17.295	ug/l	96
17) Carbon Disulfide	3.975	76	5330	3.056	ug/l #	75
18) Methyl Acetate	4.240	43	7214	1.914	ug/l	99
19) Methyl tert-butyl Ether	4.933	73	15965	2.755	ug/l #	89
20) Methylene Chloride	4.463	84	4723	3.298	ug/l	94
21) trans-1,2-Dichloroethene	4.927	96	2862	2.619	ug/l #	74
22) Diisopropyl ether	5.838	45	15321	2.550	ug/l	97
23) Vinyl Acetate	5.773	43	62750	14.620	ug/l	99
24) 1,1-Dichloroethane	5.726	63	7816	2.781	ug/l #	84
25) 2-Butanone	6.725	43	26298	16.052	ug/l	90
26) 2,2-Dichloropropane	6.708	77	6087	2.510	ug/l	96
27) cis-1,2-Dichloroethene	6.708	96	4150	2.706	ug/l	98
28) Bromochloromethane	7.101	49	71	0.047	ug/l #	20
29) Tetrahydrofuran	7.131	42	13648	14.318	ug/l #	88
30) Chloroform	7.289	83	6402	2.433	ug/l	87
31) Cyclohexane	7.595	56	8373	4.006	ug/l #	54
32) 1,1,1-Trichloroethane	7.495	97	5368	2.563	ug/l	97
36) 1,1-Dichloropropene	7.730	75	4408	2.758	ug/l	91
37) Ethyl Acetate	6.825	43	8735	3.210	ug/l #	94
38) Carbon Tetrachloride	7.718	117	3565	2.453	ug/l	87
39) Methylcyclohexane	9.140	83	4546	2.574	ug/l	92
40) Benzene	8.000	78	15036	2.779	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.078	41	3983	2.909	ug/l	98
42) 1,2-Dichloroethane	8.094	62	5521	2.903	ug/l	90
43) Isopropyl Acetate	8.141	43	12236	2.828	ug/l #	91
44) Trichloroethene	8.870	130	3075	2.907	ug/l	91
45) 1,2-Dichloropropane	9.181	63	3738	2.715	ug/l #	76
46) Dibromomethane	9.275	93	2035	2.456	ug/l	94
47) Bromodichloromethane	9.498	83	4908	2.627	ug/l #	86
48) Methyl methacrylate	9.275	41	5417	2.787	ug/l	92
49) 1,4-Dioxane	9.281	88	2322	63.608	ug/l	97
51) 4-Methyl-2-Pentanone	10.151	43	37137	14.250	ug/l	96
52) Toluene	10.345	92	8490	2.746	ug/l	98
53) t-1,3-Dichloropropene	10.603	75	5698	2.818	ug/l	91
54) cis-1,3-Dichloropropene	9.986	75	5578	2.664	ug/l	93
55) 1,1,2-Trichloroethane	10.809	97	3621	2.969	ug/l #	89
56) Ethyl methacrylate	10.650	69	6495	2.771	ug/l	89
57) 1,3-Dichloropropane	10.967	76	6109	2.823	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.822	63	11226	17.799	ug/l	95
59) 2-Hexanone	11.020	43	29982	15.187	ug/l	96
60) Dibromochloromethane	11.197	129	3244	2.638	ug/l	100
61) 1,2-Dibromoethane	11.314	107	3193	2.812	ug/l	99
64) Tetrachloroethene	10.885	164	2372	2.791	ug/l	93
65) Chlorobenzene	11.796	112	9566	2.851	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.884	131	2865	2.494	ug/l	89
67) Ethyl Benzene	11.884	91	15991	2.549	ug/l	94
68) m/p-Xylenes	12.007	106	11671	5.036	ug/l	95
69) o-Xylene	12.383	106	5873	2.550	ug/l	90
70) Styrene	12.401	104	10572	2.549	ug/l	95
71) Bromoform	12.589	173	2240	2.550	ug/l #	96
73) Isopropylbenzene	12.724	105	15586	2.562	ug/l	99
74) N-amyl acetate	12.513	43	8520	2.776	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.018	83	5972	2.865	ug/l	99
76) 1,2,3-Trichloropropane	13.071	75	5188m	2.853	ug/l	
77) Bromobenzene	13.047	156	3664	2.838	ug/l	90
78) n-propylbenzene	13.112	91	19350	2.677	ug/l	98
79) 2-Chlorotoluene	13.218	91	11255	2.718	ug/l	98
80) 1,3,5-Trimethylbenzene	13.271	105	13097	2.680	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.783	75	1788	2.307	ug/l	99
82) 4-Chlorotoluene	13.323	91	11868	2.816	ug/l	97
83) tert-Butylbenzene	13.576	119	12494	2.762	ug/l	97
84) 1,2,4-Trimethylbenzene	13.623	105	12849	2.589	ug/l	100
85) sec-Butylbenzene	13.776	105	17997	2.713	ug/l	95
86) p-Isopropyltoluene	13.905	119	14828	2.677	ug/l	96
87) 1,3-Dichlorobenzene	13.905	146	7766	2.932	ug/l	99
88) 1,4-Dichlorobenzene	13.993	146	7962	2.984	ug/l	88
89) n-Butylbenzene	14.275	91	12554	2.454	ug/l	97
90) Hexachloroethane	14.587	117	2115	2.475	ug/l	84
91) 1,2-Dichlorobenzene	14.334	146	7187	2.770	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.039	75	1225	2.725	ug/l	94
93) 1,2,4-Trichlorobenzene	15.826	180	4848	2.905	ug/l	97
94) Hexachlorobutadiene	15.956	225	2287	3.323	ug/l	85
95) Naphthalene	16.114	128	18468	3.161	ug/l	97
96) 1,2,3-Trichlorobenzene	16.349	180	4856	2.949	ug/l	97

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

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