

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
 Data File : VT019214.D
 Acq On : 30 Oct 2025 12:59
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

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

Quant Time: Oct 31 02:03:38 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	7.595	168	145122	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	8.594	114	244862	50.000	ug/l	0.05
63) Chlorobenzene-d5	11.766	117	197569	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.970	152	95157	50.000	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.983	65	111892	47.934	ug/l	0.05
Spiked Amount 50.000			Recovery	=	95.860%	
35) Dibromofluoromethane	7.518	113	78589	50.746	ug/l	0.05
Spiked Amount 50.000			Recovery	=	101.500%	
50) Toluene-d8	10.268	98	312066	49.620	ug/l	0.04
Spiked Amount 50.000			Recovery	=	99.240%	
62) 4-Bromofluorobenzene	12.900	95	95615	48.361	ug/l	0.04
Spiked Amount 50.000			Recovery	=	96.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.890	85	2639	3.088	ug/l	92
3) Chloromethane	2.125	50	4167m	3.164	ug/l	
4) Vinyl Chloride	2.207	62	4948	2.937	ug/l	98
5) Bromomethane	2.554	94	3961	4.364	ug/l	99
6) Chloroethane	2.695	64	4235	2.770	ug/l	99
7) Trichlorofluoromethane	3.000	101	8612	2.761	ug/l	96
8) Diethyl Ether	3.370	74	4130	2.760	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.705	101	3898	2.576	ug/l	90
10) Methyl Iodide	3.893	142	2128	1.737	ug/l #	80
11) Tert butyl alcohol	4.681	59	8132	16.390	ug/l	95
12) 1,1-Dichloroethene	3.676	96	3313	2.369	ug/l	96
13) Acrolein	3.564	56	1469	17.355	ug/l #	82
14) Allyl chloride	4.246	41	7453	2.702	ug/l	92
15) Acrylonitrile	4.874	53	16723	13.820	ug/l	100
16) Acetone	3.752	43	32713	20.552	ug/l	96
17) Carbon Disulfide	3.975	76	6318	3.324	ug/l	99
18) Methyl Acetate	4.240	43	7707	1.876	ug/l	94
19) Methyl tert-butyl Ether	4.927	73	16885	2.673	ug/l	96
20) Methylene Chloride	4.446	84	4507	2.888	ug/l #	84
21) trans-1,2-Dichloroethene	4.921	96	3157	2.651	ug/l	83
22) Diisopropyl ether	5.832	45	16999	2.596	ug/l #	88
23) Vinyl Acetate	5.768	43	65923	14.094	ug/l	100
24) 1,1-Dichloroethane	5.721	63	8230	2.687	ug/l	97
25) 2-Butanone	6.725	43	28832	16.149	ug/l	94
26) 2,2-Dichloropropane	6.708	77	7054	2.669	ug/l	94
27) cis-1,2-Dichloroethene	6.713	96	4474	2.677	ug/l	92
28) Bromochloromethane	7.095	49	516	0.315	ug/l #	20
29) Tetrahydrofuran	7.119	42	14115	13.588	ug/l	94
30) Chloroform	7.278	83	7486	2.611	ug/l	90
31) Cyclohexane	7.589	56	9097	3.994	ug/l #	60
32) 1,1,1-Trichloroethane	7.495	97	5955	2.609	ug/l	98
36) 1,1-Dichloropropene	7.730	75	5127	2.943	ug/l #	68
37) Ethyl Acetate	6.819	43	8701	2.934	ug/l #	96
38) Carbon Tetrachloride	7.706	117	3789	2.392	ug/l	89
39) Methylcyclohexane	9.140	83	5173	2.688	ug/l #	81
40) Benzene	7.994	78	16071	2.725	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.066	41	4665	3.127	ug/l #	75
42) 1,2-Dichloroethane	8.088	62	5559	2.683	ug/l	100
43) Isopropyl Acetate	8.129	43	13312	2.823	ug/l	99
44) Trichloroethene	8.870	130	3385	2.937	ug/l	99
45) 1,2-Dichloropropane	9.175	63	4115	2.743	ug/l	98
46) Dibromomethane	9.275	93	2249	2.491	ug/l	92
47) Bromodichloromethane	9.493	83	5362	2.634	ug/l	97
48) Methyl methacrylate	9.269	41	5416	2.557	ug/l	94
49) 1,4-Dioxane	9.269	88	2361	59.350	ug/l	97
51) 4-Methyl-2-Pentanone	10.145	43	37683	13.269	ug/l	99
52) Toluene	10.339	92	9590	2.846	ug/l	98
53) t-1,3-Dichloropropene	10.597	75	5890	2.673	ug/l	96
54) cis-1,3-Dichloropropene	9.980	75	5873	2.574	ug/l #	86
55) 1,1,2-Trichloroethane	10.803	97	3654	2.750	ug/l	94
56) Ethyl methacrylate	10.650	69	6682	2.616	ug/l	94
57) 1,3-Dichloropropane	10.961	76	6972	2.956	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.822	63	11367	16.538	ug/l	99
59) 2-Hexanone	11.014	43	32935	15.309	ug/l	96
60) Dibromochloromethane	11.185	129	3410	2.545	ug/l	95
61) 1,2-Dibromoethane	11.308	107	3436	2.777	ug/l	96
64) Tetrachloroethene	10.873	164	2702	3.009	ug/l #	77
65) Chlorobenzene	11.796	112	10350	2.919	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.878	131	3205	2.640	ug/l	94
67) Ethyl Benzene	11.884	91	18014	2.717	ug/l	99
68) m/p-Xylenes	12.007	106	13201	5.391	ug/l	100
69) o-Xylene	12.378	106	6684	2.746	ug/l	98
70) Styrene	12.395	104	11536	2.632	ug/l	97
71) Bromoform	12.589	173	2340	2.521	ug/l #	90
73) Isopropylbenzene	12.724	105	16924	2.584	ug/l	98
74) N-amyl acetate	12.507	43	8477	2.565	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.012	83	5977	2.663	ug/l	97
76) 1,2,3-Trichloropropane	13.071	75	4985m	2.546	ug/l	
77) Bromobenzene	13.041	156	3881	2.792	ug/l	87
78) n-propylbenzene	13.112	91	21406	2.750	ug/l	97
79) 2-Chlorotoluene	13.212	91	12252	2.748	ug/l	98
80) 1,3,5-Trimethylbenzene	13.271	105	13507	2.567	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.777	75	1848	2.214	ug/l	96
82) 4-Chlorotoluene	13.318	91	12497	2.754	ug/l	99
83) tert-Butylbenzene	13.570	119	13775	2.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.617	105	14102	2.639	ug/l	95
85) sec-Butylbenzene	13.770	105	19601	2.744	ug/l	100
86) p-Isopropyltoluene	13.905	119	15936	2.672	ug/l	96
87) 1,3-Dichlorobenzene	13.911	146	8006	2.807	ug/l	98
88) 1,4-Dichlorobenzene	13.993	146	8943	3.113	ug/l	88
89) n-Butylbenzene	14.275	91	14604	2.651	ug/l	95
90) Hexachloroethane	14.581	117	2323	2.525	ug/l	98
91) 1,2-Dichlorobenzene	14.328	146	8070	2.889	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.033	75	1359	2.807	ug/l	92
93) 1,2,4-Trichlorobenzene	15.826	180	5609	3.122	ug/l	96
94) Hexachlorobutadiene	15.944	225	2141	2.889	ug/l	98
95) Naphthalene	16.114	128	23540	3.742	ug/l	98
96) 1,2,3-Trichlorobenzene	16.344	180	6093	3.437	ug/l	94

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

