

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102925\
 Data File : VT019194.D
 Acq On : 29 Oct 2025 9:58
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 08:28:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 08:20:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.553	168	152688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.546	114	260363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.719	117	209520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.928	152	98097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.935	65	24234	9.867	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.740%	
35) Dibromofluoromethane	7.465	113	16304	9.901	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.800%	
50) Toluene-d8	10.227	98	66268	9.910	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.820%	
62) 4-Bromofluorobenzene	12.859	95	20812	9.900	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.872	85	8437	9.383	ug/l	100
3) Chloromethane	2.071	50	15185m	10.822	ug/l	
4) Vinyl Chloride	2.189	62	18202	10.268	ug/l	92
5) Bromomethane	2.541	94	13451	13.809	ug/l	94
6) Chloroethane	2.671	64	14690	9.133	ug/l	99
7) Trichlorofluoromethane	2.970	101	31244	9.520	ug/l	93
8) Diethyl Ether	3.341	74	15510	9.853	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.658	101	16098	10.110	ug/l	93
10) Methyl Iodide	3.846	142	11556	8.964	ug/l	94
11) Tert butyl alcohol	4.627	59	28258	54.130	ug/l #	87
12) 1,1-Dichloroethene	3.640	96	15105	10.267	ug/l	88
13) Acrolein	3.523	56	3987	44.770	ug/l	96
14) Allyl chloride	4.192	41	30106	10.375	ug/l	93
15) Acrylonitrile	4.809	53	64438	50.614	ug/l	99
16) Acetone	3.717	43	81696	48.040	ug/l	97
17) Carbon Disulfide	3.940	76	20647	10.325	ug/l	97
18) Methyl Acetate	4.192	43	47161	10.912	ug/l	98
19) Methyl tert-butyl Ether	4.874	73	67681	10.184	ug/l	97
20) Methylene Chloride	4.398	84	17210	10.481	ug/l	91
21) trans-1,2-Dichloroethene	4.874	96	12655	10.100	ug/l	97
22) Diisopropyl ether	5.767	45	70112	10.178	ug/l	96
23) Vinyl Acetate	5.714	43	238203	48.402	ug/l	99
24) 1,1-Dichloroethane	5.661	63	32963	10.229	ug/l	99
25) 2-Butanone	6.666	43	93190	49.608	ug/l	96
26) 2,2-Dichloropropane	6.654	77	27793	9.995	ug/l	98
27) cis-1,2-Dichloroethene	6.654	96	17953	10.210	ug/l	98
28) Bromochloromethane	7.042	49	19136	11.111	ug/l #	96
29) Tetrahydrofuran	7.066	42	54417	49.788	ug/l	93
30) Chloroform	7.230	83	30378	10.069	ug/l	96
31) Cyclohexane	7.536	56	25977	10.840	ug/l #	93
32) 1,1,1-Trichloroethane	7.442	97	24550	10.222	ug/l	98
36) 1,1-Dichloropropene	7.677	75	19060	10.290	ug/l	96
37) Ethyl Acetate	6.766	43	30545	9.687	ug/l	97
38) Carbon Tetrachloride	7.659	117	16238	9.642	ug/l	97
39) Methylcyclohexane	9.099	83	20359	9.948	ug/l	90
40) Benzene	7.947	78	63853	10.184	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.013	41	16399	10.333	ug/l	99
42) 1,2-Dichloroethane	8.047	62	22409	10.170	ug/l	98
43) Isopropyl Acetate	8.088	43	51116	10.195	ug/l	99
44) Trichloroethene	8.817	130	12632	10.306	ug/l	93
45) 1,2-Dichloropropane	9.134	63	16217	10.165	ug/l	95
46) Dibromomethane	9.234	93	9064	9.440	ug/l	98
47) Bromodichloromethane	9.457	83	22196	10.254	ug/l	99
48) Methyl methacrylate	9.228	41	22505	9.993	ug/l	92
49) 1,4-Dioxane	9.228	88	9033	213.549	ug/l	95
51) 4-Methyl-2-Pentanone	10.103	43	147791	48.942	ug/l	97
52) Toluene	10.297	92	35639	9.947	ug/l	93
53) t-1,3-Dichloropropene	10.556	75	23352	9.967	ug/l	97
54) cis-1,3-Dichloropropene	9.939	75	24447	10.077	ug/l	89
55) 1,1,2-Trichloroethane	10.761	97	14208	10.055	ug/l	94
56) Ethyl methacrylate	10.609	69	27190	10.013	ug/l	93
57) 1,3-Dichloropropane	10.926	76	25651	10.228	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.780	63	33070	45.250	ug/l	96
59) 2-Hexanone	10.973	43	112205	49.049	ug/l	96
60) Dibromochloromethane	11.143	129	13702	9.618	ug/l	98
61) 1,2-Dibromoethane	11.267	107	13429	10.206	ug/l	97
64) Tetrachloroethene	10.838	164	9587	10.067	ug/l	94
65) Chlorobenzene	11.748	112	38003	10.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.837	131	12454	9.673	ug/l	97
67) Ethyl Benzene	11.842	91	70382	10.010	ug/l	99
68) m/p-Xylenes	11.966	106	50616	19.490	ug/l	95
69) o-Xylene	12.336	106	25601	9.917	ug/l	100
70) Styrene	12.354	104	44640	9.603	ug/l	97
71) Bromoform	12.548	173	9050	9.193	ug/l #	97
73) Isopropylbenzene	12.683	105	69407	10.278	ug/l	99
74) N-amyl acetate	12.471	43	33847	9.936	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.971	83	23610	10.203	ug/l	97
76) 1,2,3-Trichloropropane	13.029	75	21495m	10.568	ug/l	
77) Bromobenzene	13.000	156	15321	10.692	ug/l	96
78) n-propylbenzene	13.070	91	82936	10.338	ug/l	97
79) 2-Chlorotoluene	13.170	91	47531	10.341	ug/l	98
80) 1,3,5-Trimethylbenzene	13.229	105	55593	10.249	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.736	75	8328	9.680	ug/l	95
82) 4-Chlorotoluene	13.276	91	48715	10.415	ug/l	97
83) tert-Butylbenzene	13.529	119	52022	10.362	ug/l	97
84) 1,2,4-Trimethylbenzene	13.582	105	55920	10.151	ug/l	97
85) sec-Butylbenzene	13.729	105	76129	10.338	ug/l	95
86) p-Isopropyltoluene	13.864	119	62333	10.138	ug/l	98
87) 1,3-Dichlorobenzene	13.864	146	29654	10.087	ug/l	98
88) 1,4-Dichlorobenzene	13.952	146	30413	10.270	ug/l	98
89) n-Butylbenzene	14.234	91	56936	10.025	ug/l	96
90) Hexachloroethane	14.539	117	9260	9.762	ug/l	88
91) 1,2-Dichlorobenzene	14.287	146	29358	10.194	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.986	75	5180	10.380	ug/l	88
93) 1,2,4-Trichlorobenzene	15.773	180	18745	10.120	ug/l	99
94) Hexachlorobutadiene	15.897	225	7892	10.330	ug/l	99
95) Naphthalene	16.061	128	65116	10.040	ug/l	98
96) 1,2,3-Trichlorobenzene	16.296	180	18709	10.238	ug/l	98

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

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