

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038977.D
 Acq On : 21 Aug 2025 11:02
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/22/2025
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 03:48:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 03:31:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	550701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	884278	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	844841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	478222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	712697	92.231	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 184.460%#			
35) Dibromofluoromethane	4.497	113	613424	92.500	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 185.000%#			
50) Toluene-d8	7.236	98	2204453	95.328	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 190.660%#			
62) 4-Bromofluorobenzene	9.998	95	842918	99.640	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 199.280%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.117	85	696939	84.659	ug/l	98
3) Chloromethane	1.227	50	720174	84.691	ug/l	100
4) Vinyl Chloride	1.294	62	786147	87.618	ug/l	98
5) Bromomethane	1.484	94	466024	96.107	ug/l	99
6) Chloroethane	1.555	64	395497	86.685	ug/l	96
7) Trichlorofluoromethane	1.722	101	1058358	86.104	ug/l	100
8) Diethyl Ether	1.915	74	332159	87.874	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.076	101	565510	83.350	ug/l	99
10) Methyl Iodide	2.195	142	789507	93.530	ug/l	98
11) Tert butyl alcohol	2.567	59	476022	455.146	ug/l	99
12) 1,1-Dichloroethene	2.079	96	545715	87.314	ug/l	98
13) Acrolein	2.005	56	165898	508.443	ug/l	95
14) Allyl chloride	2.355	41	743322	89.075	ug/l	99
15) Acrylonitrile	2.670	53	1424560	447.766	ug/l	99
16) Acetone	2.114	43	1331838	429.431	ug/l	100
17) Carbon Disulfide	2.249	76	1490985	85.769	ug/l	100
18) Methyl Acetate	2.375	43	609722	92.753	ug/l	98
19) Methyl tert-butyl Ether	2.706	73	1777243	96.167	ug/l	99
20) Methylene Chloride	2.455	84	572092	79.377	ug/l	98
21) trans-1,2-Dichloroethene	2.699	96	582749	89.519	ug/l	98
22) Diisopropyl ether	3.211	45	1987071	108.453	ug/l	82
23) Vinyl Acetate	3.185	43	8187179	558.141	ug/l	97
24) 1,1-Dichloroethane	3.117	63	1036209	85.380	ug/l	98
25) 2-Butanone	3.854	43	2236977	542.714	ug/l	98
26) 2,2-Dichloropropane	3.809	77	1088482	93.492	ug/l	99
27) cis-1,2-Dichloroethene	3.815	96	784179	99.806	ug/l	97
28) Bromochloromethane	4.143	49	292623	100.333	ug/l	86
29) Tetrahydrofuran	4.227	42	1450288	540.127	ug/l	92
30) Chloroform	4.275	83	1267089	89.152	ug/l	98
31) Cyclohexane	4.580	56	1057998	97.706	ug/l	93
32) 1,1,1-Trichloroethane	4.513	97	1157242	88.813	ug/l	98
36) 1,1-Dichloropropene	4.741	75	850104	98.708	ug/l	98
37) Ethyl Acetate	3.966	43	876237	98.977	ug/l	98
38) Carbon Tetrachloride	4.735	117	1019720	88.417	ug/l	99
39) Methylcyclohexane	6.046	83	1196645	108.741	ug/l	97
40) Benzene	5.005	78	2671143	99.025	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.149	41	415678	124.217	ug/l	90
42) 1,2-Dichloroethane	5.034	62	894836	90.740	ug/l	99
43) Isopropyl Acetate	5.185	43	1387075	108.740	ug/l	98
44) Trichloroethene	5.828	130	687326	93.937	ug/l	95
45) 1,2-Dichloropropane	6.085	63	647892	100.150	ug/l	100
46) Dibromomethane	6.220	93	503062	92.674	ug/l	97
47) Bromodichloromethane	6.423	83	1009892	91.414	ug/l	98
48) Methyl methacrylate	6.291	41	685096	121.281	ug/l	92
49) 1,4-Dioxane	6.284	88	200859	2036.216	ug/l	99
51) 4-Methyl-2-Pentanone	7.146	43	4546864	531.208	ug/l	100
52) Toluene	7.307	92	1740035	101.855	ug/l	100
53) t-1,3-Dichloropropene	7.571	75	1063910	103.016	ug/l	98
54) cis-1,3-Dichloropropene	6.944	75	1122190	104.872	ug/l	99
55) 1,1,2-Trichloroethane	7.757	97	673802	90.460	ug/l	98
56) Ethyl methacrylate	7.712	69	1065415	99.491	ug/l	100
57) 1,3-Dichloropropane	7.931	76	1104406	95.087	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.808	63	2757657	500.082	ug/l	96
59) 2-Hexanone	8.062	43	3393409	496.532	ug/l	99
60) Dibromochloromethane	8.165	129	816528	90.785	ug/l	99
61) 1,2-Dibromoethane	8.271	107	737772	95.472	ug/l	100
64) Tetrachloroethene	7.895	164	611464	97.268	ug/l	99
65) Chlorobenzene	8.802	112	1929757	94.736	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	687236	93.983	ug/l	99
67) Ethyl Benzene	8.934	91	3375810	108.559	ug/l	99
68) m/p-Xylenes	9.062	106	2653633	219.724	ug/l	99
69) o-Xylene	9.468	106	1249877	113.545	ug/l	99
70) Styrene	9.484	104	2192468	116.094	ug/l	100
71) Bromoform	9.654	173	581951	96.423	ug/l #	99
73) Isopropylbenzene	9.857	105	3362102	104.771	ug/l	100
74) N-amyl acetate	9.722	43	1309039	112.322	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	1073425	84.227	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	863782m	98.221	ug/l	
77) Bromobenzene	10.140	156	802878	97.379	ug/l	99
78) n-propylbenzene	10.278	91	4043218	105.529	ug/l	99
79) 2-Chlorotoluene	10.349	91	2363524	100.509	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	2904548	107.553	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.927	75	411068	106.395	ug/l	100
82) 4-Chlorotoluene	10.461	91	2828682	106.686	ug/l	100
83) tert-Butylbenzene	10.789	119	2890372	107.787	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	2880593	111.462	ug/l	99
85) sec-Butylbenzene	11.011	105	3719526	106.655	ug/l	99
86) p-Isopropyltoluene	11.165	119	3152081	107.327	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	1590286	97.680	ug/l	100
88) 1,4-Dichlorobenzene	11.194	146	1609343	92.669	ug/l	99
89) n-Butylbenzene	11.580	91	3060449	106.959	ug/l	99
90) Hexachloroethane	11.821	117	613323	90.362	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	1496200	96.379	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.348	75	244279	98.554	ug/l	98
93) 1,2,4-Trichlorobenzene	13.184	180	1018817	109.977	ug/l	100
94) Hexachlorobutadiene	13.368	225	435956	91.285	ug/l	99
95) Naphthalene	13.422	128	3541220	121.132	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	1017498	108.929	ug/l	99

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

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