

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV039006.D
 Acq On : 22 Aug 2025 00:42
 Operator : SY/MD
 Sample : Q2924-04MSD
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-201-082025MSD

Manual Integrations
 APPROVED

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

Quant Time: Aug 22 04:43:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	516721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	845786	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.780	117	728229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.178	152	478184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	381291	52.588	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 105.180%			
35) Dibromofluoromethane	4.503	113	299483	47.215	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.440%			
50) Toluene-d8	7.252	98	980828	44.345	ug/l	0.02
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.680%#			
62) 4-Bromofluorobenzene	10.005	95	491029	60.685	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 121.380%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	345061	44.672	ug/l	96
3) Chloromethane	1.227	50	393578	49.328	ug/l	100
4) Vinyl Chloride	1.294	62	484189	57.513	ug/l #	53
5) Bromomethane	1.491	94	141343	31.066	ug/l	96
6) Chloroethane	1.558	64	260534	60.731	ug/l	95
7) Trichlorofluoromethane	1.722	101	548381	47.548	ug/l	99
8) Diethyl Ether	1.915	74	211490	59.630	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	279952	43.975	ug/l	100
10) Methyl Iodide	2.195	142	363241	45.862	ug/l	97
11) Tert butyl alcohol	2.561	59	359205	366.038	ug/l	99
12) 1,1-Dichloroethene	2.079	96	320017	54.569	ug/l	98
13) Acrolein	2.008	56	101019	323.052	ug/l #	1
14) Allyl chloride	2.355	41	443165	56.598	ug/l	92
15) Acrylonitrile	2.671	53	949458	320.146	ug/l	99
16) Acetone	2.118	43	768715	264.160	ug/l	100
17) Carbon Disulfide	2.253	76	903551	55.395	ug/l	100
18) Methyl Acetate	2.378	43	381852	61.908	ug/l	98
19) Methyl tert-butyl Ether	2.706	73	1170536	67.503	ug/l	98
20) Methylene Chloride	2.455	84	362370	53.584	ug/l	97
21) trans-1,2-Dichloroethene	2.699	96	1523323	249.393	ug/l	99
22) Diisopropyl ether	3.214	45	879880	51.181	ug/l	87
23) Vinyl Acetate	3.185	43	3552898	257.566	ug/l	100
24) 1,1-Dichloroethane	3.117	63	559530	49.135	ug/l	99
25) 2-Butanone	3.857	43	976734	257.968	ug/l	99
26) 2,2-Dichloropropane	3.812	77	391984	35.883	ug/l	79
27) cis-1,2-Dichloroethene	3.815	96	1318826	178.890	ug/l	92
28) Bromochloromethane	4.150	49	113461	47.352	ug/l	95
29) Tetrahydrofuran	4.230	42	624314	247.013	ug/l	99
30) Chloroform	4.278	83	584578	44.921	ug/l	98
31) Cyclohexane	4.587	56	388628	38.250	ug/l	97
32) 1,1,1-Trichloroethane	4.516	97	531467	43.470	ug/l	99
36) 1,1-Dichloropropene	4.748	75	362867	44.051	ug/l #	75
37) Ethyl Acetate	3.970	43	363289	45.139	ug/l	98
38) Carbon Tetrachloride	4.738	117	461506	41.837	ug/l	98
39) Methylcyclohexane	6.050	83	408954	38.854	ug/l	97
40) Benzene	4.989	78	41786406m	1619.610	ug/l	

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41) Methacrylonitrile	4.156	41	174654	57.590	ug/l	94
42) 1,2-Dichloroethane	5.031	62	1675883	177.676	ug/l	81
43) Isopropyl Acetate	5.191	43	576273	46.927	ug/l	98
44) Trichloroethene	5.831	130	510209	72.904	ug/l	97
45) 1,2-Dichloropropane	6.092	63	266643	43.093	ug/l	100
46) Dibromomethane	6.227	93	223003	42.951	ug/l	96
47) Bromodichloromethane	6.429	83	455485	43.106	ug/l	99
48) Methyl methacrylate	6.297	41	287412	52.211	ug/l	100
49) 1,4-Dioxane	6.291	88	105828	1149.755	ug/l #	94
51) 4-Methyl-2-Pentanone	7.178	43	1893658	234.852	ug/l	97
52) Toluene	7.301	92	52309160m	3201.320	ug/l	
53) t-1,3-Dichloropropene	7.580	75	430866	43.618	ug/l	99
54) cis-1,3-Dichloropropene	6.953	75	460077	44.952	ug/l	97
55) 1,1,2-Trichloroethane	7.764	97	281002	39.442	ug/l	97
56) Ethyl methacrylate	7.719	69	449382	41.707	ug/l	94
57) 1,3-Dichloropropane	7.937	76	454247	40.889	ug/l	99
59) 2-Hexanone	8.066	43	1351114	174.475	ug/l	97
60) Dibromochloromethane	8.172	129	355683	41.346	ug/l	100
61) 1,2-Dibromoethane	8.278	107	317106	42.903	ug/l	99
64) Tetrachloroethene	7.902	164	243136	44.870	ug/l	99
65) Chlorobenzene	8.809	112	802400	45.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.902	131	293528	46.569	ug/l	99
67) Ethyl Benzene	8.934	91	17313419m	645.919	ug/l	
68) m/p-Xylenes	9.063	106	24381378m	2342.084	ug/l	
69) o-Xylene	9.474	106	23416839m	2467.957	ug/l	
70) Styrene	9.484	104	30239909m	1857.645	ug/l	
71) Bromoform	9.661	173	324713	62.527	ug/l #	100
73) Isopropylbenzene	9.860	105	1978260	61.652	ug/l	100
74) N-amyl acetate	9.728	43	738894	62.852	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.169	83	617295	48.440	ug/l	99
76) 1,2,3-Trichloropropane	10.201	75	498808m	56.237	ug/l	
77) Bromobenzene	10.143	156	435579	52.834	ug/l	99
78) n-propylbenzene	10.281	91	3348625	87.407	ug/l	99
79) 2-Chlorotoluene	10.352	91	2328880	101.245	ug/l	72
80) 1,3,5-Trimethylbenzene	10.468	105	6683197	247.494	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.934	75	211232	54.677	ug/l	99
82) 4-Chlorotoluene	10.468	91	2026734	76.446	ug/l	84
83) tert-Butylbenzene	10.796	119	1454326	54.239	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	16967058m	656.579	ug/l	
85) sec-Butylbenzene	11.017	105	1749648	50.174	ug/l	100
86) p-Isopropyltoluene	11.172	119	1833643	62.439	ug/l	99
87) 1,3-Dichlorobenzene	11.111	146	811237	49.833	ug/l	99
88) 1,4-Dichlorobenzene	11.204	146	813543	46.849	ug/l	99
89) n-Butylbenzene	11.609	91	1596814	55.811	ug/l	91
90) Hexachloroethane	11.834	117	357945m	52.741	ug/l	
91) 1,2-Dichlorobenzene	11.574	146	800159	51.547	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.355	75	151928	61.300	ug/l	97
93) 1,2,4-Trichlorobenzene	13.191	180	517941	55.914	ug/l	99
94) Hexachlorobutadiene	13.394	225	191018	40.001	ug/l	98
95) Naphthalene	13.413	128	38442747m	1315.089	ug/l	
96) 1,2,3-Trichlorobenzene	13.670	180	517828	55.441	ug/l	98

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

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