

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039306.D
 Acq On : 04 Nov 2025 11:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:26:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	637264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1024756	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1022016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	572200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	507925	56.092	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 112.180%			
35) Dibromofluoromethane	4.500	113	433799	53.726	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 107.460%			
50) Toluene-d8	7.233	98	1447777	52.707	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 105.420%			
62) 4-Bromofluorobenzene	9.998	95	540972	55.299	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 110.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	317564m	39.427	ug/l	
3) Chloromethane	1.230	50	378539	45.141	ug/l	99
4) Vinyl Chloride	1.298	62	397662	41.566	ug/l	99
5) Bromomethane	1.500	94	312107	50.281	ug/l	99
6) Chloroethane	1.561	64	278677	52.893	ug/l	99
7) Trichlorofluoromethane	1.728	101	627251	42.918	ug/l	100
8) Diethyl Ether	1.918	74	280720	53.152	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	376510	43.023	ug/l	99
10) Methyl Iodide	2.198	142	502834	66.690	ug/l	98
11) Tert butyl alcohol	2.564	59	302735	172.512	ug/l	99
12) 1,1-Dichloroethene	2.085	96	361270	42.044	ug/l	99
13) Acrolein	2.008	56	596126	597.108	ug/l	99
14) Allyl chloride	2.359	41	624182	45.823	ug/l	99
15) Acrylonitrile	2.674	53	1279167	245.798	ug/l	100
16) Acetone	2.117	43	1174237	280.314	ug/l	100
17) Carbon Disulfide	2.256	76	1039874	42.845	ug/l	100
18) Methyl Acetate	2.378	43	538703	45.910	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	1444674	55.858	ug/l	99
20) Methylene Chloride	2.458	84	485528	60.899	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	411303	45.462	ug/l	100
22) Diisopropyl ether	3.214	45	1376335	56.278	ug/l	87
23) Vinyl Acetate	3.188	43	6174918	287.608	ug/l	99
24) 1,1-Dichloroethane	3.117	63	774138	47.249	ug/l	99
25) 2-Butanone	3.860	43	1467254	264.955	ug/l	100
26) 2,2-Dichloropropane	3.812	77	590738	44.765	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	486071	53.658	ug/l	97
28) Bromochloromethane	4.143	49	386703	55.360	ug/l	99
29) Tetrahydrofuran	4.233	42	923460	260.808	ug/l	98
30) Chloroform	4.275	83	826124	49.444	ug/l	99
31) Cyclohexane	4.584	56	543925	45.579	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	659230	45.126	ug/l	98
36) 1,1-Dichloropropene	4.744	75	462466	45.602	ug/l	99
37) Ethyl Acetate	3.973	43	592244	49.883	ug/l	97
38) Carbon Tetrachloride	4.735	117	571435	46.250	ug/l	99
39) Methylcyclohexane	6.047	83	528252	45.576	ug/l	98
40) Benzene	5.008	78	1653548	50.813	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	273531	53.736	ug/l	99
42) 1,2-Dichloroethane	5.037	62	594744	52.074	ug/l	100
43) Isopropyl Acetate	5.188	43	902456	58.059	ug/l	100
44) Trichloroethene	5.828	130	399079	48.767	ug/l	99
45) 1,2-Dichloropropane	6.085	63	434939	54.926	ug/l	98
46) Dibromomethane	6.223	93	350757	52.994	ug/l	97
47) Bromodichloromethane	6.423	83	682315	52.319	ug/l	100
48) Methyl methacrylate	6.294	41	415063	57.640	ug/l	98
49) 1,4-Dioxane	6.288	88	85719m	715.578	ug/l	
51) 4-Methyl-2-Pentanone	7.143	43	3067700	284.472	ug/l	100
52) Toluene	7.307	92	1044959	53.182	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	662717	58.145	ug/l	100
54) cis-1,3-Dichloropropene	6.944	75	724372	57.165	ug/l	99
55) 1,1,2-Trichloroethane	7.757	97	476609	53.719	ug/l	99
56) Ethyl methacrylate	7.712	69	659731	65.633	ug/l	99
57) 1,3-Dichloropropane	7.931	76	768271	57.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	1805314	295.215	ug/l	99
59) 2-Hexanone	8.059	43	2261357	285.636	ug/l	100
60) Dibromochloromethane	8.165	129	564299	54.397	ug/l	99
61) 1,2-Dibromoethane	8.272	107	513123	55.543	ug/l	99
64) Tetrachloroethene	7.895	164	350075	46.957	ug/l	100
65) Chlorobenzene	8.802	112	1185359	48.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.895	131	445410	49.149	ug/l	100
67) Ethyl Benzene	8.934	91	1857821	52.129	ug/l	100
68) m/p-Xylenes	9.059	106	1551500	109.762	ug/l	99
69) o-Xylene	9.468	106	699770	56.059	ug/l	99
70) Styrene	9.484	104	1319658	59.415	ug/l	100
71) Bromoform	9.651	173	401043	54.721	ug/l #	99
73) Isopropylbenzene	9.853	105	1841327	52.993	ug/l	100
74) N-amyl acetate	9.722	43	810885	56.636	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.162	83	759804	47.616	ug/l	100
76) 1,2,3-Trichloropropane	10.194	75	551899	48.325	ug/l	99
77) Bromobenzene	10.140	156	505820	52.955	ug/l	99
78) n-propylbenzene	10.275	91	2189294	51.927	ug/l	99
79) 2-Chlorotoluene	10.345	91	1369613	52.616	ug/l	100
80) 1,3,5-Trimethylbenzene	10.461	105	1589645	54.548	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	254180	56.209	ug/l	99
82) 4-Chlorotoluene	10.461	91	1636764	54.705	ug/l	99
83) tert-Butylbenzene	10.789	119	1479425	51.126	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	1599433	55.752	ug/l	100
85) sec-Butylbenzene	11.011	105	1792784	49.001	ug/l	100
86) p-Isopropyltoluene	11.165	119	1576710	50.123	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	968709	50.845	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1006165	47.188	ug/l	99
89) n-Butylbenzene	11.577	91	1393936	47.584	ug/l	99
90) Hexachloroethane	11.818	117	322222	41.426	ug/l	97
91) 1,2-Dichlorobenzene	11.564	146	922761	50.915	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	151995	46.325	ug/l	99
93) 1,2,4-Trichlorobenzene	13.185	180	531566	52.589	ug/l	99
94) Hexachlorobutadiene	13.368	225	179585	35.087	ug/l	100
95) Naphthalene	13.422	128	1956023	59.064	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	558871	53.198	ug/l	100

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

