

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039168.D
 Acq On : 25 Sep 2025 09:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 26 01:18:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	605297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	933338	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	901987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	535710	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	368829	42.102	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	84.200%
35) Dibromofluoromethane	4.497	113	358851	47.826	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	95.660%
50) Toluene-d8	7.233	98	1046447	47.485	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	94.980%
62) 4-Bromofluorobenzene	9.998	95	473731	52.218	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	104.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	412859	43.088	ug/l	96
3) Chloromethane	1.227	50	441526	42.924	ug/l	99
4) Vinyl Chloride	1.294	62	495985	45.040	ug/l	99
5) Bromomethane	1.494	94	277073	39.912	ug/l	99
6) Chloroethane	1.558	64	307095	47.163	ug/l	96
7) Trichlorofluoromethane	1.722	101	725756	45.520	ug/l	99
8) Diethyl Ether	1.915	74	273800	46.259	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.079	101	429502	45.275	ug/l	98
10) Methyl Iodide	2.195	142	394240	43.640	ug/l	99
11) Tert butyl alcohol	2.571	59	462139	249.596	ug/l	98
12) 1,1-Dichloroethene	2.079	96	422387	46.283	ug/l	93
13) Acrolein	2.008	56	73826	229.786	ug/l	96
14) Allyl chloride	2.355	41	725818	44.523	ug/l	97
15) Acrylonitrile	2.670	53	1328524	223.829	ug/l	99
16) Acetone	2.117	43	1227421	224.844	ug/l	98
17) Carbon Disulfide	2.249	76	1213128	43.464	ug/l	99
18) Methyl Acetate	2.378	43	602375	46.408	ug/l	97
19) Methyl tert-butyl Ether	2.709	73	1360066	46.768	ug/l	99
20) Methylene Chloride	2.455	84	477153	50.438	ug/l	94
21) trans-1,2-Dichloroethene	2.699	96	438480	45.131	ug/l	98
22) Diisopropyl ether	3.214	45	1401924	44.947	ug/l	97
23) Vinyl Acetate	3.185	43	6223966	228.109	ug/l	98
24) 1,1-Dichloroethane	3.114	63	827604	43.389	ug/l	100
25) 2-Butanone	3.863	43	1647490	234.849	ug/l	96
26) 2,2-Dichloropropane	3.805	77	690029	40.800	ug/l	100
27) cis-1,2-Dichloroethene	3.815	96	499109	46.579	ug/l	98
28) Bromochloromethane	4.143	49	370658	44.019	ug/l	91
29) Tetrahydrofuran	4.233	42	1075144	244.856	ug/l	97
30) Chloroform	4.275	83	862902	43.324	ug/l	98
31) Cyclohexane	4.580	56	694256	44.432	ug/l	97
32) 1,1,1-Trichloroethane	4.510	97	759916	44.071	ug/l	98
36) 1,1-Dichloropropene	4.741	75	562517	49.586	ug/l	99
37) Ethyl Acetate	3.973	43	650966	47.290	ug/l	98
38) Carbon Tetrachloride	4.731	117	642615	46.350	ug/l	99
39) Methylcyclohexane	6.043	83	743575	54.277	ug/l	99
40) Benzene	5.005	78	1797939	48.671	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	291884	47.017	ug/l	98
42) 1,2-Dichloroethane	5.037	62	596048	46.050	ug/l	98
43) Isopropyl Acetate	5.191	43	954350	50.848	ug/l	98
44) Trichloroethene	5.828	130	432014	50.680	ug/l	99
45) 1,2-Dichloropropane	6.085	63	459902	50.088	ug/l	99
46) Dibromomethane	6.220	93	337738	48.059	ug/l	97
47) Bromodichloromethane	6.423	83	680557	46.843	ug/l	98
48) Methyl methacrylate	6.294	41	449431	52.825	ug/l	98
49) 1,4-Dioxane	6.291	88	155938	1135.751	ug/l	97
51) 4-Methyl-2-Pentanone	7.146	43	3274291	265.177	ug/l	98
52) Toluene	7.307	92	1123906	52.474	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	661472	52.243	ug/l	99
54) cis-1,3-Dichloropropene	6.944	75	731190	52.312	ug/l	97
55) 1,1,2-Trichloroethane	7.757	97	465236	48.443	ug/l	98
56) Ethyl methacrylate	7.712	69	658147	57.707	ug/l	95
57) 1,3-Dichloropropane	7.931	76	748312	49.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.808	63	1657102	257.039	ug/l	99
59) 2-Hexanone	8.062	43	2465950	247.438	ug/l	97
60) Dibromochloromethane	8.165	129	535532	48.938	ug/l	99
61) 1,2-Dibromoethane	8.271	107	498142	50.719	ug/l	100
64) Tetrachloroethene	7.895	164	376666	49.857	ug/l	97
65) Chlorobenzene	8.802	112	1242390	49.450	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.895	131	435516	47.975	ug/l	98
67) Ethyl Benzene	8.934	91	2092639	55.024	ug/l	99
68) m/p-Xylenes	9.059	106	1688294	115.018	ug/l	100
69) o-Xylene	9.468	106	758328	58.347	ug/l	98
70) Styrene	9.484	104	1379790	50.114	ug/l	99
71) Bromoform	9.651	173	362481	51.118	ug/l #	99
73) Isopropylbenzene	9.853	105	2113988	54.407	ug/l	99
74) N-amyl acetate	9.725	43	853417	55.064	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	747856	43.928	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	573502	47.019	ug/l	98
77) Bromobenzene	10.140	156	497564	49.357	ug/l	98
78) n-propylbenzene	10.278	91	2554851	53.995	ug/l	99
79) 2-Chlorotoluene	10.345	91	1498849	52.939	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1809221	56.020	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	258743	50.926	ug/l	97
82) 4-Chlorotoluene	10.461	91	1769699	53.904	ug/l	100
83) tert-Butylbenzene	10.789	119	1725454	53.579	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	1777572	56.693	ug/l	98
85) sec-Butylbenzene	11.011	105	2294341	53.713	ug/l	99
86) p-Isopropyltoluene	11.165	119	1933306	54.380	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	995077	48.773	ug/l	100
88) 1,4-Dichlorobenzene	11.194	146	1019216	45.535	ug/l	99
89) n-Butylbenzene	11.580	91	1854102	54.607	ug/l	100
90) Hexachloroethane	11.821	117	387482	44.260	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	930166	48.799	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.348	75	156226	50.961	ug/l	97
93) 1,2,4-Trichlorobenzene	13.184	180	568781	52.055	ug/l	99
94) Hexachlorobutadiene	13.368	225	261028	45.975	ug/l	99
95) Naphthalene	13.422	128	2039508	57.749	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	579422	51.848	ug/l	97

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

