

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102125\
 Data File : VV039291.D
 Acq On : 21 Oct 2025 09:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 24 04:33:12 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	4.593	168	654645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	949759	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	944570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	596600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	454046	48.811	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	97.620%
35) Dibromofluoromethane	4.497	113	414428	55.379	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	110.760%
50) Toluene-d8	7.233	98	1406382	55.243	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	110.480%
62) 4-Bromofluorobenzene	9.998	95	547009	60.332	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	120.660%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	404797	48.923	ug/l	99
3) Chloromethane	1.230	50	395167	45.872	ug/l	99
4) Vinyl Chloride	1.298	62	439478	44.718	ug/l	100
5) Bromomethane	1.490	94	289371	45.381	ug/l	99
6) Chloroethane	1.558	64	283335	52.325	ug/l	100
7) Trichlorofluoromethane	1.725	101	696971	46.422	ug/l	99
8) Diethyl Ether	1.918	74	245090	45.174	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	428204	47.631	ug/l	99
10) Methyl Iodide	2.195	142	439612	56.757	ug/l	99
11) Tert butyl alcohol	2.564	59	360112	199.760	ug/l	99
12) 1,1-Dichloroethene	2.082	96	402158	45.560	ug/l	96
13) Acrolein	2.008	56	190223	180.555	ug/l	99
14) Allyl chloride	2.355	41	614193	43.893	ug/l	99
15) Acrylonitrile	2.670	53	1117951	209.116	ug/l	100
16) Acetone	2.114	43	1172102	272.072	ug/l	100
17) Carbon Disulfide	2.252	76	1077676	43.224	ug/l	99
18) Methyl Acetate	2.378	43	662827	54.989	ug/l	97
19) Methyl tert-butyl Ether	2.709	73	1220844	45.950	ug/l	100
20) Methylene Chloride	2.455	84	441764	53.674	ug/l	96
21) trans-1,2-Dichloroethene	2.699	96	420780	45.274	ug/l	98
22) Diisopropyl ether	3.211	45	1215250	48.372	ug/l	93
23) Vinyl Acetate	3.185	43	4864449	220.555	ug/l	99
24) 1,1-Dichloroethane	3.114	63	753160	44.748	ug/l	99
25) 2-Butanone	3.860	43	1355917	238.349	ug/l	98
26) 2,2-Dichloropropane	3.809	77	634734	46.822	ug/l	100
27) cis-1,2-Dichloroethene	3.815	96	432683	46.497	ug/l	100
28) Bromochloromethane	4.143	49	348630	48.585	ug/l	99
29) Tetrahydrofuran	4.230	42	834521	229.432	ug/l	100
30) Chloroform	4.275	83	793107	46.208	ug/l	99
31) Cyclohexane	4.580	56	572057	46.664	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	706758	47.095	ug/l	99
36) 1,1-Dichloropropene	4.741	75	495076	52.672	ug/l	98
37) Ethyl Acetate	3.969	43	493640	44.861	ug/l	99
38) Carbon Tetrachloride	4.731	117	612342	53.474	ug/l	98
39) Methylcyclohexane	6.043	83	602436	56.081	ug/l	99
40) Benzene	5.005	78	1604959	53.214	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	230078	48.925	ug/l	98
42) 1,2-Dichloroethane	5.034	62	533741	50.423	ug/l	100
43) Isopropyl Acetate	5.188	43	751273	52.150	ug/l	100
44) Trichloroethene	5.828	130	390078	51.431	ug/l	99
45) 1,2-Dichloropropane	6.085	63	413149	56.294	ug/l	99
46) Dibromomethane	6.220	93	314054	51.196	ug/l	98
47) Bromodichloromethane	6.423	83	645967	53.443	ug/l	98
48) Methyl methacrylate	6.291	41	353066	52.902	ug/l	98
49) 1,4-Dioxane	6.288	88	120791	1087.982	ug/l	94
51) 4-Methyl-2-Pentanone	7.143	43	2697252	269.870	ug/l	100
52) Toluene	7.304	92	1043904	57.323	ug/l	100
53) t-1,3-Dichloropropene	7.571	75	588995	55.757	ug/l	98
54) cis-1,3-Dichloropropene	6.944	75	658946	56.108	ug/l	98
55) 1,1,2-Trichloroethane	7.757	97	437803	53.242	ug/l	99
56) Ethyl methacrylate	7.712	69	552436	59.299	ug/l	100
57) 1,3-Dichloropropane	7.931	76	680616	54.850	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	1666682	294.099	ug/l	99
59) 2-Hexanone	8.059	43	2041094	278.173	ug/l	100
60) Dibromochloromethane	8.165	129	527523	54.867	ug/l	99
61) 1,2-Dibromoethane	8.271	107	464776	54.282	ug/l	100
64) Tetrachloroethene	7.895	164	363120	52.700	ug/l	99
65) Chlorobenzene	8.802	112	1146123	51.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	440601	52.604	ug/l	99
67) Ethyl Benzene	8.934	91	1880992	57.107	ug/l	99
68) m/p-Xylenes	9.059	106	1579327	120.892	ug/l	100
69) o-Xylene	9.468	106	683952	59.284	ug/l	98
70) Styrene	9.484	104	1325725	64.582	ug/l	99
71) Bromoform	9.651	173	374457	55.283	ug/l #	99
73) Isopropylbenzene	9.853	105	1944033	53.661	ug/l	100
74) N-amyl acetate	9.722	43	682905	45.747	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	701235	42.148	ug/l	100
76) 1,2,3-Trichloropropane	10.194	75	511173	42.929	ug/l	99
77) Bromobenzene	10.140	156	493365	49.538	ug/l	98
78) n-propylbenzene	10.275	91	2362004	53.732	ug/l	99
79) 2-Chlorotoluene	10.345	91	1420396	52.335	ug/l	100
80) 1,3,5-Trimethylbenzene	10.461	105	1686808	55.515	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	230341	48.854	ug/l	98
82) 4-Chlorotoluene	10.461	91	1692573	54.257	ug/l	100
83) tert-Butylbenzene	10.789	119	1585644	52.556	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1677030	56.066	ug/l	100
85) sec-Butylbenzene	11.011	105	2081706	54.571	ug/l	100
86) p-Isopropyltoluene	11.165	119	1779070	54.243	ug/l	100
87) 1,3-Dichlorobenzene	11.101	146	987659	49.719	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1025488	46.127	ug/l	99
89) n-Butylbenzene	11.577	91	1670322	54.687	ug/l	100
90) Hexachloroethane	11.818	117	382867	47.209	ug/l	98
91) 1,2-Dichlorobenzene	11.564	146	909650	48.138	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	141509	41.366	ug/l	98
93) 1,2,4-Trichlorobenzene	13.184	180	561866	53.313	ug/l	99
94) Hexachlorobutadiene	13.368	225	258265	48.395	ug/l	100
95) Naphthalene	13.422	128	1877172	54.365	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	577108	52.687	ug/l	99

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

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