

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071825\
 Data File : VV038924.D
 Acq On : 18 Jul 2025 16:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 19 00:43:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 14 09:44:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	554836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	906476	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	865390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	503139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	326388	48.146	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	96.300%
35) Dibromofluoromethane	4.500	113	311714	50.436	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.880%
50) Toluene-d8	7.236	98	872918	46.726	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	93.460%
62) 4-Bromofluorobenzene	10.001	95	421731	56.040	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	112.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	254278	52.158	ug/l	100
3) Chloromethane	1.230	50	253851	48.220	ug/l	99
4) Vinyl Chloride	1.294	62	295697	49.075	ug/l	98
5) Bromomethane	1.484	94	186921	54.456	ug/l	97
6) Chloroethane	1.555	64	199169	49.454	ug/l	98
7) Trichlorofluoromethane	1.722	101	513844	48.199	ug/l	99
8) Diethyl Ether	1.918	74	191642	49.987	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.079	101	309685	48.581	ug/l	97
10) Methyl Iodide	2.194	142	395074	53.983	ug/l	100
11) Tert butyl alcohol	2.574	59	369394	236.680	ug/l	100
12) 1,1-Dichloroethene	2.079	96	279424	48.107	ug/l	97
13) Acrolein	2.008	56	55422	245.554	ug/l	99
14) Allyl chloride	2.355	41	471337	50.935	ug/l	99
15) Acrylonitrile	2.674	53	979194	245.171	ug/l	99
16) Acetone	2.117	43	784216	267.333	ug/l	99
17) Carbon Disulfide	2.249	76	593267	64.610	ug/l	100
18) Methyl Acetate	2.378	43	571832	57.615	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	1056789	48.525	ug/l	98
20) Methylene Chloride	2.455	84	331204	44.505	ug/l	96
21) trans-1,2-Dichloroethene	2.703	96	299664	48.488	ug/l	97
22) Diisopropyl ether	3.217	45	1000241	54.096	ug/l	91
23) Vinyl Acetate	3.188	43	3933037	271.281	ug/l	99
24) 1,1-Dichloroethane	3.117	63	594006	49.054	ug/l	99
25) 2-Butanone	3.866	43	1184824	281.792	ug/l	98
26) 2,2-Dichloropropane	3.809	77	494640	46.656	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	369126	52.014	ug/l	98
28) Bromochloromethane	4.146	49	230012	49.074	ug/l	97
29) Tetrahydrofuran	4.236	42	772143	278.635	ug/l	97
30) Chloroform	4.278	83	640227	47.956	ug/l	99
31) Cyclohexane	4.583	56	432437	54.408	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	556760	47.798	ug/l	99
36) 1,1-Dichloropropene	4.744	75	388440	54.688	ug/l	100
37) Ethyl Acetate	3.976	43	442856	52.956	ug/l	99
38) Carbon Tetrachloride	4.735	117	461974	48.965	ug/l	98
39) Methylcyclohexane	6.046	83	479812	57.251	ug/l	99
40) Benzene	5.008	78	1258037	52.247	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	219108	57.089	ug/l	96
42) 1,2-Dichloroethane	5.040	62	444656	48.449	ug/l	99
43) Isopropyl Acetate	5.191	43	698555	52.817	ug/l	100
44) Trichloroethene	5.831	130	314128	49.926	ug/l	99
45) 1,2-Dichloropropane	6.088	63	325331	51.149	ug/l	100
46) Dibromomethane	6.223	93	244335	49.649	ug/l	99
47) Bromodichloromethane	6.426	83	508703	48.707	ug/l	100
48) Methyl methacrylate	6.297	41	332945	58.005	ug/l	98
49) 1,4-Dioxane	6.288	88	130343	1053.955	ug/l	98
51) 4-Methyl-2-Pentanone	7.149	43	2447423	271.762	ug/l	99
52) Toluene	7.307	92	825089	54.395	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	505067	53.444	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	533622	52.235	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	345461	47.648	ug/l	99
56) Ethyl methacrylate	7.715	69	523678	60.782	ug/l	98
57) 1,3-Dichloropropane	7.934	76	561574	51.658	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.812	63	1446828	230.317	ug/l	100
59) 2-Hexanone	8.062	43	1835260	273.758	ug/l	99
60) Dibromochloromethane	8.169	129	409505	47.962	ug/l	98
61) 1,2-Dibromoethane	8.275	107	369412	50.575	ug/l	97
64) Tetrachloroethene	7.898	164	280948	49.501	ug/l	98
65) Chlorobenzene	8.805	112	946598	50.061	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	349660	46.369	ug/l	99
67) Ethyl Benzene	8.937	91	1599838	56.979	ug/l	100
68) m/p-Xylenes	9.062	106	1268475	116.038	ug/l	98
69) o-Xylene	9.467	106	594756	57.644	ug/l	99
70) Styrene	9.487	104	1069343	58.641	ug/l	99
71) Bromoform	9.654	173	292397	47.704	ug/l #	98
73) Isopropylbenzene	9.857	105	1666691	55.440	ug/l	100
74) N-amyl acetate	9.725	43	626676	56.905	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	582198	46.234	ug/l	100
76) 1,2,3-Trichloropropane	10.197	75	439429	46.974	ug/l	81
77) Bromobenzene	10.140	156	398671	50.553	ug/l	98
78) n-propylbenzene	10.278	91	2004145	57.039	ug/l	99
79) 2-Chlorotoluene	10.349	91	1167018	52.226	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1437116	56.686	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	198306	51.731	ug/l	94
82) 4-Chlorotoluene	10.461	91	1404142	56.214	ug/l	99
83) tert-Butylbenzene	10.789	119	1429474	53.779	ug/l	99
84) 1,2,4-Trimethylbenzene	10.840	105	1435498	57.544	ug/l	100
85) sec-Butylbenzene	11.014	105	1884669	55.555	ug/l	100
86) p-Isopropyltoluene	11.168	119	1583445	54.976	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	800458	49.728	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	811233	46.329	ug/l	99
89) n-Butylbenzene	11.580	91	1509711	57.417	ug/l	100
90) Hexachloroethane	11.821	117	314032	45.840	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	770685	49.321	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	133252	46.805	ug/l	96
93) 1,2,4-Trichlorobenzene	13.184	180	503313	54.566	ug/l	99
94) Hexachlorobutadiene	13.368	225	225277	47.426	ug/l	100
95) Naphthalene	13.422	128	1809711	59.715	ug/l	99
96) 1,2,3-Trichlorobenzene	13.663	180	514808	53.846	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

