

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV080825\
 Data File : VV038934.D
 Acq On : 08 Aug 2025 14:28
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ICVVV080825

Quant Time: Aug 11 05:34:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V080825W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 11 05:27:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	539758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	844365	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	798716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	488313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	356344	45.907	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	91.820%
35) Dibromofluoromethane	4.500	113	303596	47.395	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.780%
50) Toluene-d8	7.236	98	1086667	48.982	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	97.960%
62) 4-Bromofluorobenzene	10.001	95	398224	49.841	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	99.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	180605	49.732	ug/l	98
3) Chloromethane	1.230	50	164594	47.502	ug/l	99
4) Vinyl Chloride	1.294	62	206289	48.451	ug/l	99
5) Bromomethane	1.490	94	156394	46.859	ug/l	97
6) Chloroethane	1.555	64	149060	48.674	ug/l	96
7) Trichlorofluoromethane	1.722	101	402850	47.778	ug/l	96
8) Diethyl Ether	1.918	74	152675	48.558	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	248520	46.140	ug/l	99
10) Methyl Iodide	2.195	142	288492	47.482	ug/l	99
11) Tert butyl alcohol	2.571	59	318539	242.636	ug/l	99
12) 1,1-Dichloroethene	2.082	96	210921	47.250	ug/l	95
13) Acrolein	2.008	56	212379	234.999	ug/l	99
14) Allyl chloride	2.358	41	373390	47.833	ug/l	100
15) Acrylonitrile	2.674	53	819498	236.444	ug/l	99
16) Acetone	2.117	43	652424	234.147	ug/l	99
17) Carbon Disulfide	2.252	76	348646	48.367	ug/l	100
18) Methyl Acetate	2.378	43	568634	50.107	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	886221	48.250	ug/l	99
20) Methylene Chloride	2.455	84	272517	51.298	ug/l	98
21) trans-1,2-Dichloroethene	2.699	96	227903	46.972	ug/l	99
22) Diisopropyl ether	3.217	45	827496	52.420	ug/l	98
23) Vinyl Acetate	3.188	43	3025476	258.001	ug/l	100
24) 1,1-Dichloroethane	3.117	63	491521	48.550	ug/l	99
25) 2-Butanone	3.866	43	958025	270.984	ug/l	99
26) 2,2-Dichloropropane	3.812	77	439363	48.978	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	293352	50.423	ug/l	98
28) Bromochloromethane	4.146	49	151641	51.021	ug/l	99
29) Tetrahydrofuran	4.236	42	617647	266.840	ug/l	100
30) Chloroform	4.278	83	536265	48.681	ug/l	100
31) Cyclohexane	4.580	56	304220	48.784	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	462707	48.837	ug/l	100
36) 1,1-Dichloropropene	4.747	75	295280	51.845	ug/l	97
37) Ethyl Acetate	3.976	43	349499	46.319	ug/l	100
38) Carbon Tetrachloride	4.735	117	390113	51.858	ug/l	98
39) Methylcyclohexane	6.046	83	331111	53.565	ug/l	98
40) Benzene	5.008	78	987538	52.438	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	175674	57.570	ug/l	97
42) 1,2-Dichloroethane	5.040	62	362829	49.690	ug/l	99
43) Isopropyl Acetate	5.194	43	570170	54.390	ug/l	99
44) Trichloroethene	5.831	130	253281	50.467	ug/l	94
45) 1,2-Dichloropropane	6.088	63	272334	51.890	ug/l	100
46) Dibromomethane	6.223	93	201771	51.935	ug/l	99
47) Bromodichloromethane	6.426	83	438213	50.769	ug/l	98
48) Methyl methacrylate	6.297	41	268233	57.785	ug/l	100
49) 1,4-Dioxane	6.288	88	104741	1082.594	ug/l	99
51) 4-Methyl-2-Pentanone	7.149	43	2065470	284.440	ug/l	100
52) Toluene	7.307	92	663229	55.897	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	418914	55.477	ug/l	100
54) cis-1,3-Dichloropropene	6.947	75	445316	54.018	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	295351	50.867	ug/l	98
56) Ethyl methacrylate	7.715	69	424671	50.965	ug/l	99
57) 1,3-Dichloropropane	7.934	76	472862	53.241	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.812	63	954070	280.034	ug/l	99
59) 2-Hexanone	8.062	43	1530268	291.952	ug/l	99
60) Dibromochloromethane	8.165	129	364666	51.290	ug/l	98
61) 1,2-Dibromoethane	8.275	107	306436	53.164	ug/l	100
64) Tetrachloroethene	7.895	164	233931	49.903	ug/l	99
65) Chlorobenzene	8.805	112	787493	50.436	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	306342	49.882	ug/l	99
67) Ethyl Benzene	8.937	91	1295577	56.494	ug/l	99
68) m/p-Xylenes	9.062	106	1028454	116.363	ug/l	100
69) o-Xylene	9.468	106	480585	57.825	ug/l	99
70) Styrene	9.484	104	903177	60.360	ug/l	99
71) Bromoform	9.654	173	263915	51.139	ug/l #	99
73) Isopropylbenzene	9.857	105	1378193	54.073	ug/l	100
74) N-amyl acetate	9.725	43	506678	56.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	506093	46.441	ug/l	100
76) 1,2,3-Trichloropropane	10.197	75	381030	47.757	ug/l	99
77) Bromobenzene	10.140	156	345006	50.424	ug/l	98
78) n-propylbenzene	10.278	91	1680321	55.884	ug/l	98
79) 2-Chlorotoluene	10.349	91	992160	53.760	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1215088	56.503	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	168060	52.738	ug/l	97
82) 4-Chlorotoluene	10.461	91	1176716	54.518	ug/l	100
83) tert-Butylbenzene	10.789	119	1222996	53.387	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1207900	56.596	ug/l	99
85) sec-Butylbenzene	11.011	105	1586271	54.800	ug/l	100
86) p-Isopropyltoluene	11.165	119	1364619	54.117	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	708488	49.537	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	721637	46.374	ug/l	99
89) n-Butylbenzene	11.580	91	1293319	55.480	ug/l	99
90) Hexachloroethane	11.821	117	278826	46.875	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	673017	49.783	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	111654	47.092	ug/l	96
93) 1,2,4-Trichlorobenzene	13.184	180	440341	51.641	ug/l	98
94) Hexachlorobutadiene	13.368	225	205028	45.504	ug/l	98
95) Naphthalene	13.422	128	1525750	57.023	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	461812	52.923	ug/l	99

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

