

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063509.D
 Acq On : 14 Jul 2025 16:06
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 15 01:38:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 15 01:29:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.358	168	99428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.236	114	178600	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	168356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	94000	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	68941	54.345	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.680%	
35) Dibromofluoromethane	5.274	113	57301	53.226	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.460%	
50) Toluene-d8	7.888	98	171081	48.751	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	10.624	95	81497	53.093	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.180%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	33915	42.889	ug/l	98
3) Chloromethane	1.519	50	40405	41.950	ug/l	100
4) Vinyl Chloride	1.596	62	50153	46.960	ug/l	96
5) Bromomethane	1.843	94	40719	54.418	ug/l	99
6) Chloroethane	1.921	64	36175	46.749	ug/l	97
7) Trichlorofluoromethane	2.126	101	89697	52.061	ug/l	99
8) Diethyl Ether	2.368	74	37956	52.861	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.564	101	51641	50.675	ug/l	97
10) Methyl Iodide	2.705	142	47934	45.032	ug/l	96
11) Tert butyl alcohol	3.197	59	131963	310.255	ug/l	98
12) 1,1-Dichloroethene	2.564	96	47774	50.362	ug/l	99
13) Acrolein	2.477	56	14656	244.120	ug/l	89
14) Allyl chloride	2.905	41	114304	50.622	ug/l	99
15) Acrylonitrile	3.303	53	271085	297.545	ug/l	98
16) Acetone	2.622	43	265276	249.282	ug/l	99
17) Carbon Disulfide	2.773	76	86334	38.072	ug/l	98
18) Methyl Acetate	2.940	43	176492	64.446	ug/l	98
19) Methyl tert-butyl Ether	3.358	73	226406	55.341	ug/l	100
20) Methylene Chloride	3.027	84	63572	40.971	ug/l	96
21) trans-1,2-Dichloroethene	3.329	96	49797	48.861	ug/l	96
22) Diisopropyl ether	3.988	45	202045	52.551	ug/l	99
23) Vinyl Acetate	3.946	43	815496	273.356	ug/l	99
24) 1,1-Dichloroethane	3.847	63	116946	53.595	ug/l	98
25) 2-Butanone	4.705	43	347862	291.190	ug/l	98
26) 2,2-Dichloropropane	4.644	77	96364	50.761	ug/l	96
27) cis-1,2-Dichloroethene	4.647	96	71196	52.925	ug/l	97
28) Bromochloromethane	4.956	49	56389	55.014	ug/l	97
29) Tetrahydrofuran	5.052	42	220434	292.514	ug/l	99
30) Chloroform	5.072	83	125723	54.574	ug/l	96
31) Cyclohexane	5.364	56	80865	46.100	ug/l	96
32) 1,1,1-Trichloroethane	5.297	97	106573	54.331	ug/l	98
36) 1,1-Dichloropropene	5.509	75	73033	49.926	ug/l	97
37) Ethyl Acetate	4.805	43	115544	48.772	ug/l	99
38) Carbon Tetrachloride	5.506	117	79510	49.330	ug/l	99
39) Methylcyclohexane	6.747	83	76892	43.503	ug/l	97
40) Benzene	5.756	78	237136	51.907	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.966	41	65146	58.278	ug/l	96
42) 1,2-Dichloroethane	5.782	62	96484	56.167	ug/l	98
43) Isopropyl Acetate	5.911	43	177548	56.423	ug/l	98
44) Trichloroethene	6.528	130	61077	49.958	ug/l	98
45) 1,2-Dichloropropane	6.779	63	67624	53.247	ug/l	98
46) Dibromomethane	6.904	93	50508	55.896	ug/l	96
47) Bromodichloromethane	7.091	83	98395	52.368	ug/l	100
48) Methyl methacrylate	6.956	41	80309	55.218	ug/l	97
49) 1,4-Dioxane	6.965	88	30858	966.891	ug/l	99
51) 4-Methyl-2-Pentanone	7.782	43	651446	286.027	ug/l	98
52) Toluene	7.959	92	153209	51.273	ug/l	97
53) t-1,3-Dichloropropene	8.200	75	85539	52.025	ug/l	99
54) cis-1,3-Dichloropropene	7.596	75	100079	54.374	ug/l	97
55) 1,1,2-Trichloroethane	8.390	97	70411	55.485	ug/l	94
56) Ethyl methacrylate	8.325	69	105264	51.422	ug/l	97
57) 1,3-Dichloropropane	8.563	76	113164	54.099	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.461	63	9192	432.430	ug/l	97
59) 2-Hexanone	8.676	43	478901	278.000	ug/l	98
60) Dibromochloromethane	8.798	129	76651	53.919	ug/l	100
61) 1,2-Dibromoethane	8.914	107	68337	54.867	ug/l	99
64) Tetrachloroethene	8.544	164	55828	44.545	ug/l	98
65) Chlorobenzene	9.438	112	180479	51.526	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.522	131	62676	52.176	ug/l	98
67) Ethyl Benzene	9.560	91	300640	49.941	ug/l	99
68) m/p-Xylenes	9.682	106	228867	99.616	ug/l	96
69) o-Xylene	10.091	106	116077	49.694	ug/l	99
70) Styrene	10.107	104	194986	52.500	ug/l	98
71) Bromoform	10.280	173	51026	48.734	ug/l #	99
73) Isopropylbenzene	10.473	105	315266	49.291	ug/l	100
74) N-amyl acetate	10.313	43	147558	51.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.772	83	122185	51.898	ug/l	98
76) 1,2,3-Trichloropropane	10.814	75	122394	49.138	ug/l #	81
77) Bromobenzene	10.772	156	76317	48.677	ug/l	95
78) n-propylbenzene	10.898	91	362296	48.842	ug/l	99
79) 2-Chlorotoluene	10.975	91	229584	49.351	ug/l	99
80) 1,3,5-Trimethylbenzene	11.078	105	269532	48.179	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.538	75	20265	40.577	ug/l #	84
82) 4-Chlorotoluene	11.087	91	261147	49.446	ug/l	98
83) tert-Butylbenzene	11.409	119	267527	49.865	ug/l	98
84) 1,2,4-Trimethylbenzene	11.460	105	267618	48.715	ug/l	99
85) sec-Butylbenzene	11.634	105	343070	48.461	ug/l	100
86) p-Isopropyltoluene	11.785	119	281259	48.972	ug/l	100
87) 1,3-Dichlorobenzene	11.737	146	147814	48.925	ug/l	100
88) 1,4-Dichlorobenzene	11.827	146	152821	49.613	ug/l	98
89) n-Butylbenzene	12.200	91	255939	48.148	ug/l	99
90) Hexachloroethane	12.467	117	44703	46.538	ug/l	98
91) 1,2-Dichlorobenzene	12.203	146	148246	50.320	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.988	75	30600	54.878	ug/l	99
93) 1,2,4-Trichlorobenzene	13.833	180	91606	48.553	ug/l	99
94) Hexachlorobutadiene	14.013	225	36627	45.415	ug/l	99
95) Naphthalene	14.078	128	304284	49.247	ug/l	100
96) 1,2,3-Trichlorobenzene	14.322	180	89514	48.278	ug/l	98

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

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