

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063498.D
 Acq On : 11 Jul 2025 17:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 12 04:01:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 12 03:41:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	99959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	179582	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	169520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	95452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.689	65	67780	53.146	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.300%
35) Dibromofluoromethane	5.274	113	54518	50.364	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.720%
50) Toluene-d8	7.888	98	170522	48.326	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.660%
62) 4-Bromofluorobenzene	10.624	95	78846	51.085	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.180%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	36300	45.661	ug/l	98
3) Chloromethane	1.518	50	41763	43.130	ug/l	98
4) Vinyl Chloride	1.596	62	54000	50.294	ug/l	94
5) Bromomethane	1.840	94	41476	55.136	ug/l	98
6) Chloroethane	1.920	64	37427	48.110	ug/l	99
7) Trichlorofluoromethane	2.123	101	90294	52.129	ug/l	99
8) Diethyl Ether	2.370	74	37908	52.514	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.563	101	52726	51.465	ug/l	99
10) Methyl Iodide	2.705	142	51165	47.812	ug/l	97
11) Tert butyl alcohol	3.197	59	148465	347.198	ug/l	98
12) 1,1-Dichloroethene	2.563	96	48976	51.355	ug/l	98
13) Acrolein	2.477	56	14340	237.588	ug/l	98
14) Allyl chloride	2.904	41	120032	52.876	ug/l	98
15) Acrylonitrile	3.303	53	296984	324.240	ug/l	97
16) Acetone	2.618	43	288790	269.937	ug/l	98
17) Carbon Disulfide	2.772	76	91577	40.170	ug/l	99
18) Methyl Acetate	2.940	43	185695	67.446	ug/l	98
19) Methyl tert-butyl Ether	3.358	73	227127	55.222	ug/l	98
20) Methylene Chloride	3.026	84	65241	41.823	ug/l	95
21) trans-1,2-Dichloroethene	3.329	96	52557	51.295	ug/l	96
22) Diisopropyl ether	3.988	45	209159	54.112	ug/l	99
23) Vinyl Acetate	3.943	43	848144	282.789	ug/l	99
24) 1,1-Dichloroethane	3.846	63	117209	53.431	ug/l	98
25) 2-Butanone	4.705	43	388823	323.749	ug/l	99
26) 2,2-Dichloropropane	4.644	77	94319	49.420	ug/l	99
27) cis-1,2-Dichloroethene	4.647	96	70462	52.101	ug/l	99
28) Bromochloromethane	4.956	49	56675	55.000	ug/l	99
29) Tetrahydrofuran	5.049	42	247133	326.201	ug/l	98
30) Chloroform	5.068	83	126869	54.779	ug/l	98
31) Cyclohexane	5.361	56	82362	46.704	ug/l	97
32) 1,1,1-Trichloroethane	5.296	97	108523	55.031	ug/l	99
36) 1,1-Dichloropropene	5.509	75	73470	49.950	ug/l	99
37) Ethyl Acetate	4.804	43	128232	53.832	ug/l	100
38) Carbon Tetrachloride	5.502	117	81230	50.122	ug/l	98
39) Methylcyclohexane	6.746	83	80410	45.244	ug/l	95
40) Benzene	5.756	78	240575	52.372	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.965	41	67652	60.188	ug/l	98
42) 1,2-Dichloroethane	5.782	62	97782	56.611	ug/l	99
43) Isopropyl Acetate	5.910	43	180840	57.155	ug/l	100
44) Trichloroethene	6.528	130	61167	49.758	ug/l	99
45) 1,2-Dichloropropane	6.779	63	69867	54.713	ug/l	98
46) Dibromomethane	6.904	93	51204	56.357	ug/l	96
47) Bromodichloromethane	7.094	83	98399	52.084	ug/l	99
48) Methyl methacrylate	6.955	41	83403	57.032	ug/l	97
49) 1,4-Dioxane	6.962	88	39709	1237.420	ug/l	97
51) 4-Methyl-2-Pentanone	7.782	43	691075	301.767	ug/l	99
52) Toluene	7.959	92	158231	52.664	ug/l	93
53) t-1,3-Dichloropropene	8.200	75	88002	53.231	ug/l	97
54) cis-1,3-Dichloropropene	7.595	75	99530	53.780	ug/l	93
55) 1,1,2-Trichloroethane	8.389	97	69501	54.469	ug/l	95
56) Ethyl methacrylate	8.325	69	106304	51.646	ug/l	96
57) 1,3-Dichloropropane	8.563	76	115042	54.696	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.457	63	9230	431.843	ug/l #	89
59) 2-Hexanone	8.676	43	526778	304.121	ug/l	98
60) Dibromochloromethane	8.798	129	78292	54.772	ug/l	97
61) 1,2-Dibromoethane	8.914	107	67312	53.748	ug/l	98
64) Tetrachloroethene	8.544	164	57757	45.768	ug/l	96
65) Chlorobenzene	9.438	112	183526	52.036	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.521	131	62809	51.928	ug/l	97
67) Ethyl Benzene	9.560	91	310380	51.205	ug/l	98
68) m/p-Xylenes	9.682	106	235219	101.677	ug/l	93
69) o-Xylene	10.090	106	118805	50.513	ug/l	99
70) Styrene	10.106	104	197789	52.889	ug/l	99
71) Bromoform	10.280	173	52158	49.474	ug/l #	99
73) Isopropylbenzene	10.473	105	317910	48.948	ug/l	100
74) N-amyl acetate	10.312	43	153641	52.750	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.772	83	125246	52.389	ug/l	99
76) 1,2,3-Trichloropropane	10.814	75	128923	50.972	ug/l #	81
77) Bromobenzene	10.772	156	75913	47.683	ug/l	94
78) n-propylbenzene	10.894	91	371825	49.364	ug/l	100
79) 2-Chlorotoluene	10.975	91	227825	48.228	ug/l	98
80) 1,3,5-Trimethylbenzene	11.077	105	281363	49.529	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.534	75	22387	44.145	ug/l	88
82) 4-Chlorotoluene	11.087	91	270977	50.527	ug/l	99
83) tert-Butylbenzene	11.409	119	275087	50.495	ug/l	98
84) 1,2,4-Trimethylbenzene	11.457	105	274539	49.214	ug/l	99
85) sec-Butylbenzene	11.634	105	354711	49.343	ug/l	100
86) p-Isopropyltoluene	11.782	119	291602	50.000	ug/l	100
87) 1,3-Dichlorobenzene	11.737	146	148552	48.422	ug/l	99
88) 1,4-Dichlorobenzene	11.827	146	150665	48.169	ug/l	99
89) n-Butylbenzene	12.200	91	265023	49.099	ug/l	99
90) Hexachloroethane	12.466	117	46800	47.980	ug/l	96
91) 1,2-Dichlorobenzene	12.203	146	151396	50.607	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.987	75	34679	61.247	ug/l	98
93) 1,2,4-Trichlorobenzene	13.833	180	93382	48.742	ug/l	99
94) Hexachlorobutadiene	14.010	225	38289	46.753	ug/l	98
95) Naphthalene	14.077	128	316598	50.460	ug/l	99
96) 1,2,3-Trichlorobenzene	14.322	180	92939	49.363	ug/l	98

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

