

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063717.D
 Acq On : 12 Nov 2025 14:05
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 14 05:02:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 04:59:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	181671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	308405	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	292254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	156667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	131879	49.141	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.280%		
35) Dibromofluoromethane	5.258	113	102723	47.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.120%		
50) Toluene-d8	7.869	98	356521	45.943	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.880%#		
62) 4-Bromofluorobenzene	10.608	95	149812	46.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	5632	5.133	ug/l	96
3) Chloromethane	1.509	50	6243	4.893	ug/l	90
4) Vinyl Chloride	1.589	62	7478	5.542	ug/l	100
5) Bromomethane	1.830	94	6807	7.184	ug/l	97
6) Chloroethane	1.911	64	5627	5.514	ug/l	93
7) Trichlorofluoromethane	2.116	101	14176	5.490	ug/l	92
8) Diethyl Ether	2.354	74	5760	5.247	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.554	101	8708	5.308	ug/l	97
10) Methyl Iodide	2.692	142	7937	4.854	ug/l	98
11) Tert butyl alcohol	3.161	59	15045	24.028	ug/l	98
12) 1,1-Dichloroethene	2.554	96	7844	5.553	ug/l	96
13) Acrolein	2.460	56	2153	43.006	ug/l #	63
14) Allyl chloride	2.898	41	13118	4.979	ug/l	92
15) Acrylonitrile	3.293	53	33141	25.844	ug/l	94
16) Acetone	2.605	43	56840	32.381	ug/l	99
17) Carbon Disulfide	2.766	76	10506	5.055	ug/l	99
18) Methyl Acetate	2.930	43	12035	2.890	ug/l	96
19) Methyl tert-butyl Ether	3.335	73	33274	5.220	ug/l	99
20) Methylene Chloride	3.017	84	11262	5.628	ug/l	97
21) trans-1,2-Dichloroethene	3.325	96	7883	5.435	ug/l	95
22) Diisopropyl ether	3.962	45	30565	5.267	ug/l #	55
23) Vinyl Acetate	3.933	43	102523	25.908	ug/l	98
24) 1,1-Dichloroethane	3.837	63	18301	5.469	ug/l	96
25) 2-Butanone	4.682	43	52688	28.514	ug/l	94
26) 2,2-Dichloropropane	4.628	77	13992	4.868	ug/l	97
27) cis-1,2-Dichloroethene	4.640	96	11159	5.266	ug/l	97
28) Bromochloromethane	4.943	49	5739	4.285	ug/l #	95
29) Tetrahydrofuran	5.026	42	26823	24.947	ug/l	97
30) Chloroform	5.058	83	19805	5.402	ug/l	96
31) Cyclohexane	5.348	56	16078	6.804	ug/l #	80
32) 1,1,1-Trichloroethane	5.277	97	16514	5.489	ug/l	95
36) 1,1-Dichloropropene	5.499	75	11569	5.262	ug/l	99
37) Ethyl Acetate	4.792	43	13901	4.465	ug/l #	88
38) Carbon Tetrachloride	5.496	117	11194	4.711	ug/l	98
39) Methylcyclohexane	6.734	83	13144	5.266	ug/l	99
40) Benzene	5.746	78	36930	5.205	ug/l	99

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41) Methacrylonitrile	4.962	41	6353	3.927	ug/l #	90
42) 1,2-Dichloroethane	5.769	62	14666	5.241	ug/l	86
43) Isopropyl Acetate	5.891	43	23051	5.052	ug/l	97
44) Trichloroethene	6.515	130	10196	5.122	ug/l	98
45) 1,2-Dichloropropane	6.759	63	9824	5.094	ug/l	99
46) Dibromomethane	6.894	93	7478	5.164	ug/l	96
47) Bromodichloromethane	7.081	83	13110	4.465	ug/l	98
48) Methyl methacrylate	6.943	41	10453	4.667	ug/l	97
49) 1,4-Dioxane	6.943	88	5127	86.403	ug/l	97
51) 4-Methyl-2-Pentanone	7.766	43	82808	23.716	ug/l	99
52) Toluene	7.943	92	25199	5.473	ug/l	100
53) t-1,3-Dichloropropene	8.187	75	10470	4.235	ug/l	99
54) cis-1,3-Dichloropropene	7.582	75	12312	4.443	ug/l	94
55) 1,1,2-Trichloroethane	8.373	97	11187	5.295	ug/l	97
56) Ethyl methacrylate	8.312	69	13819	4.433	ug/l	97
57) 1,3-Dichloropropane	8.550	76	18260	5.297	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.463	63	740m	19.740	ug/l	
59) 2-Hexanone	8.663	43	68904	26.495	ug/l	92
60) Dibromochloromethane	8.785	129	10046	4.540	ug/l	98
61) 1,2-Dibromoethane	8.897	107	10616	5.214	ug/l	98
64) Tetrachloroethene	8.528	164	9932	5.268	ug/l	98
65) Chlorobenzene	9.425	112	30221	5.292	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.508	131	9391	4.835	ug/l	95
67) Ethyl Benzene	9.547	91	48361	5.084	ug/l	98
68) m/p-Xylenes	9.672	106	36986	10.535	ug/l	97
69) o-Xylene	10.077	106	19221	5.305	ug/l	99
70) Styrene	10.097	104	28845	4.957	ug/l	100
71) Bromoform	10.267	173	6520	4.169	ug/l #	98
73) Isopropylbenzene	10.460	105	50401	5.121	ug/l	100
74) N-amyl acetate	10.303	43	14441	4.211	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.756	83	18067	4.780	ug/l	99
76) 1,2,3-Trichloropropane	10.798	75	19046m	4.824	ug/l	
77) Bromobenzene	10.759	156	13157	5.313	ug/l	98
78) n-propylbenzene	10.881	91	55014	4.872	ug/l	99
79) 2-Chlorotoluene	10.962	91	37593	5.151	ug/l	98
80) 1,3,5-Trimethylbenzene	11.065	105	39752	4.817	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.521	75	2824	3.811	ug/l #	76
82) 4-Chlorotoluene	11.077	91	40794	4.919	ug/l	97
83) tert-Butylbenzene	11.393	119	42096	4.897	ug/l	97
84) 1,2,4-Trimethylbenzene	11.444	105	39718	4.904	ug/l	97
85) sec-Butylbenzene	11.618	105	53874	4.961	ug/l	99
86) p-Isopropyltoluene	11.769	119	41922	4.809	ug/l	98
87) 1,3-Dichlorobenzene	11.724	146	24784	5.327	ug/l	100
88) 1,4-Dichlorobenzene	11.811	146	26146	5.371	ug/l	94
89) n-Butylbenzene	12.184	91	37774	4.718	ug/l	98
90) Hexachloroethane	12.447	117	5299	3.984	ug/l	98
91) 1,2-Dichlorobenzene	12.190	146	23201	4.994	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.971	75	3237	4.179	ug/l	97
93) 1,2,4-Trichlorobenzene	13.817	180	13459	4.545	ug/l	98
94) Hexachlorobutadiene	13.991	225	7029	4.710	ug/l	100
95) Naphthalene	14.064	128	35723	4.453	ug/l	99
96) 1,2,3-Trichlorobenzene	14.302	180	13364	4.854	ug/l	95

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

