

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111125\
 Data File : VU063706.D
 Acq On : 11 Nov 2025 15:19
 Operator : MD/SY
 Sample : Q3530-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 12 02:29:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 12 02:25:49 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	193986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	321344	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	301944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	156435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	137976	48.149	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.300%		
35) Dibromofluoromethane	5.258	113	106244	47.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.400%		
50) Toluene-d8	7.869	98	369435	45.690	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.380%#		
62) 4-Bromofluorobenzene	10.608	95	154895	46.310	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	3214	2.743	ug/l	87
3) Chloromethane	1.509	50	3396	2.493	ug/l	98
4) Vinyl Chloride	1.589	62	3618	2.511	ug/l	93
5) Bromomethane	1.837	94	3770	3.726	ug/l	95
6) Chloroethane	1.914	64	3109	2.853	ug/l	99
7) Trichlorofluoromethane	2.117	101	7147	2.592	ug/l	86
8) Diethyl Ether	2.358	74	3138	2.677	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.554	101	4509	2.574	ug/l	95
10) Methyl Iodide	2.699	142	3627	2.077	ug/l	96
11) Tert butyl alcohol	3.158	59	9310	13.925	ug/l #	78
12) 1,1-Dichloroethene	2.557	96	4113	2.727	ug/l	99
13) Acrolein	2.464	56	939	17.566	ug/l	87
14) Allyl chloride	2.901	41	7371	2.620	ug/l	93
15) Acrylonitrile	3.300	53	14697	10.734	ug/l	95
16) Acetone	2.605	43	28809	15.370	ug/l	100
17) Carbon Disulfide	2.769	76	5948	2.680	ug/l #	94
18) Methyl Acetate	2.936	43	6329	1.423	ug/l	97
19) Methyl tert-butyl Ether	3.335	73	16678	2.450	ug/l	96
20) Methylene Chloride	3.017	84	9179	4.296	ug/l	97
21) trans-1,2-Dichloroethene	3.329	96	4188	2.704	ug/l	87
22) Diisopropyl ether	3.959	45	15366	2.480	ug/l #	9
23) Vinyl Acetate	3.943	43	48094	11.382	ug/l	100
24) 1,1-Dichloroethane	3.840	63	8373	2.343	ug/l	99
25) 2-Butanone	4.695	43	22864	11.588	ug/l	95
26) 2,2-Dichloropropane	4.631	77	7062	2.301	ug/l #	76
27) cis-1,2-Dichloroethene	4.644	96	5546	2.451	ug/l	94
28) Bromochloromethane	4.946	49	2980	2.084	ug/l #	91
29) Tetrahydrofuran	5.030	42	12082	10.523	ug/l	95
30) Chloroform	5.055	83	10144	2.591	ug/l	99
31) Cyclohexane	5.351	56	11100	4.399	ug/l #	76
32) 1,1,1-Trichloroethane	5.287	97	7646	2.380	ug/l	98
36) 1,1-Dichloropropene	5.502	75	6265	2.735	ug/l	98
37) Ethyl Acetate	4.795	43	10596m	3.267	ug/l	
38) Carbon Tetrachloride	5.493	117	6049	2.443	ug/l	91
39) Methylcyclohexane	6.731	83	6721	2.584	ug/l	89
40) Benzene	5.747	78	18539	2.508	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.968	41	2513	1.491	ug/l #	64
42) 1,2-Dichloroethane	5.772	62	7089	2.431	ug/l	93
43) Isopropyl Acetate	5.895	43	9635	2.027	ug/l	95
44) Trichloroethene	6.521	130	5136	2.476	ug/l	98
45) 1,2-Dichloropropane	6.763	63	5162	2.569	ug/l	100
46) Dibromomethane	6.894	93	3936	2.609	ug/l	97
47) Bromodichloromethane	7.078	83	6604	2.159	ug/l	98
48) Methyl methacrylate	6.949	41	4677	2.004	ug/l	89
49) 1,4-Dioxane	6.952	88	2906	47.002	ug/l #	88
51) 4-Methyl-2-Pentanone	7.766	43	39600	10.885	ug/l	100
52) Toluene	7.946	92	12514	2.608	ug/l	97
53) t-1,3-Dichloropropene	8.190	75	5544	2.152	ug/l	94
54) cis-1,3-Dichloropropene	7.583	75	6454	2.235	ug/l	98
55) 1,1,2-Trichloroethane	8.377	97	5350	2.430	ug/l	94
56) Ethyl methacrylate	8.319	69	7265	2.236	ug/l	98
57) 1,3-Dichloropropane	8.550	76	8824	2.457	ug/l	99
59) 2-Hexanone	8.666	43	31578	11.653	ug/l	96
60) Dibromochloromethane	8.782	129	4954	2.148	ug/l	96
61) 1,2-Dibromoethane	8.901	107	5341	2.518	ug/l	95
64) Tetrachloroethene	8.528	164	5009	2.571	ug/l	91
65) Chlorobenzene	9.422	112	15755	2.670	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	9.509	131	4697	2.341	ug/l	96
67) Ethyl Benzene	9.547	91	24834	2.527	ug/l	99
68) m/p-Xylenes	9.672	106	18252	5.032	ug/l	96
69) o-Xylene	10.074	106	9011	2.407	ug/l	98
70) Styrene	10.097	104	14160	2.355	ug/l	98
71) Bromoform	10.264	173	3308	2.047	ug/l #	96
73) Isopropylbenzene	10.460	105	24411	2.484	ug/l	98
74) N-amyl acetate	10.306	43	6459	1.886	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	10.756	83	8785	2.328	ug/l	96
76) 1,2,3-Trichloropropane	10.798	75	8760	2.222	ug/l #	100
77) Bromobenzene	10.762	156	6469	2.616	ug/l	96
78) n-propylbenzene	10.885	91	27158	2.409	ug/l	99
79) 2-Chlorotoluene	10.962	91	18307	2.512	ug/l	99
80) 1,3,5-Trimethylbenzene	11.065	105	19640	2.383	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.521	75	1012m	1.368	ug/l	
82) 4-Chlorotoluene	11.078	91	20957	2.531	ug/l	100
83) tert-Butylbenzene	11.393	119	21442	2.498	ug/l	99
84) 1,2,4-Trimethylbenzene	11.444	105	19304	2.387	ug/l	97
85) sec-Butylbenzene	11.618	105	25718	2.372	ug/l	100
86) p-Isopropyltoluene	11.769	119	19806	2.275	ug/l	96
87) 1,3-Dichlorobenzene	11.724	146	11562	2.489	ug/l	96
88) 1,4-Dichlorobenzene	11.811	146	13377	2.752	ug/l	88
89) n-Butylbenzene	12.187	91	18544	2.320	ug/l	98
90) Hexachloroethane	12.447	117	2499	1.882	ug/l	91
91) 1,2-Dichlorobenzene	12.190	146	11557	2.492	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.978	75	1432	1.852	ug/l	93
93) 1,2,4-Trichlorobenzene	13.820	180	6727	2.275	ug/l	97
94) Hexachlorobutadiene	13.994	225	3309	2.221	ug/l	98
95) Naphthalene	14.068	128	17110	2.136	ug/l	97
96) 1,2,3-Trichlorobenzene	14.306	180	6594	2.398	ug/l	97

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

