

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063713.D
 Acq On : 12 Nov 2025 12:17
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 14 05:03:52 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	5.345	168	194001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.222	114	316196	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	300432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	152758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	138516	48.333	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.660%		
35) Dibromofluoromethane	5.258	113	106545	48.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.220%		
50) Toluene-d8	7.872	98	381885	47.999	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.000%		
62) 4-Bromofluorobenzene	10.611	95	157987	48.003	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.371	85	467	0.399	ug/l #	41
3) Chloromethane	1.512	50	824	0.605	ug/l #	76
4) Vinyl Chloride	1.589	62	1085	0.753	ug/l #	79
5) Bromomethane	1.840	94	1119	1.106	ug/l #	80
6) Chloroethane	1.914	64	729	0.669	ug/l	89
7) Trichlorofluoromethane	2.116	101	1024	0.371	ug/l	96
8) Diethyl Ether	2.361	74	509	0.434	ug/l #	17
9) 1,1,2-Trichlorotrifluo...	2.557	101	728	0.416	ug/l #	61
10) Methyl Iodide	2.702	142	1111	0.636	ug/l	91
11) Tert butyl alcohol	3.161	59	1640	2.453	ug/l #	73
12) 1,1-Dichloroethene	2.554	96	1067	0.707	ug/l #	80
13) Acrolein	2.464	56	695	13.000	ug/l #	1
14) Allyl chloride	2.898	41	1693	0.602	ug/l #	82
15) Acrylonitrile	3.329	53	2564m	1.872	ug/l	
16) Acetone	2.605	43	5823	3.106	ug/l #	85
17) Carbon Disulfide	2.766	76	1991	0.897	ug/l	98
18) Methyl Acetate	2.940	43	1645m	0.370	ug/l	
19) Methyl tert-butyl Ether	3.338	73	1927	0.283	ug/l	95
20) Methylene Chloride	3.020	84	2238	1.047	ug/l #	90
21) trans-1,2-Dichloroethene	3.329	96	1440	0.930	ug/l	82
22) Diisopropyl ether	3.956	45	2072m	0.334	ug/l	
23) Vinyl Acetate	3.975	43	7589m	1.796	ug/l	
24) 1,1-Dichloroethane	3.846	63	1441	0.403	ug/l #	81
25) 2-Butanone	4.737	43	5987m	3.034	ug/l	
26) 2,2-Dichloropropane	4.624	77	818	0.267	ug/l #	54
27) cis-1,2-Dichloroethene	4.647	96	1679m	0.742	ug/l	
28) Bromochloromethane	4.965	49	1026m	0.717	ug/l	
29) Tetrahydrofuran	5.049	42	2814m	2.451	ug/l	
30) Chloroform	5.055	83	1835	0.469	ug/l #	83
31) Cyclohexane	5.341	56	5318	2.108	ug/l #	14
32) 1,1,1-Trichloroethane	5.284	97	945	0.294	ug/l #	51
36) 1,1-Dichloropropene	5.502	75	1840	0.816	ug/l #	83
37) Ethyl Acetate	4.737	43	3710m	1.162	ug/l	
38) Carbon Tetrachloride	5.496	117	1004	0.412	ug/l #	78
39) Methylcyclohexane	6.737	83	1222	0.478	ug/l #	85
40) Benzene	5.753	78	3771	0.518	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.994	41	330	0.199	ug/l #	76
42) 1,2-Dichloroethane	5.779	62	1534	0.535	ug/l #	75
43) Isopropyl Acetate	5.898	43	2325m	0.497	ug/l	
44) Trichloroethene	6.521	130	1585	0.777	ug/l	96
45) 1,2-Dichloropropane	6.766	63	649	0.328	ug/l #	86
46) Dibromomethane	6.898	93	1045	0.704	ug/l	95
47) Bromodichloromethane	7.081	83	1279	0.425	ug/l #	97
48) Methyl methacrylate	6.975	41	1136m	0.495	ug/l	
49) 1,4-Dioxane	6.972	88	702m	11.539	ug/l	
51) 4-Methyl-2-Pentanone	7.772	43	11711	3.271	ug/l	94
52) Toluene	7.946	92	3022	0.640	ug/l	89
53) t-1,3-Dichloropropene	8.193	75	1631	0.643	ug/l	99
54) cis-1,3-Dichloropropene	7.586	75	1610	0.567	ug/l #	92
55) 1,1,2-Trichloroethane	8.380	97	925	0.427	ug/l #	71
56) Ethyl methacrylate	8.325	69	1310	0.410	ug/l #	89
57) 1,3-Dichloropropane	8.557	76	1917	0.542	ug/l	99
59) 2-Hexanone	8.682	43	11300	4.238	ug/l	93
60) Dibromochloromethane	8.785	129	1140	0.502	ug/l	89
61) 1,2-Dibromoethane	8.907	107	1313	0.629	ug/l #	77
64) Tetrachloroethene	8.528	164	1397	0.721	ug/l #	81
65) Chlorobenzene	9.425	112	4819	0.821	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.508	131	578	0.289	ug/l #	65
67) Ethyl Benzene	9.553	91	7072	0.723	ug/l	93
68) m/p-Xylenes	9.676	106	4950	1.372	ug/l	84
69) o-Xylene	10.084	106	2014	0.541	ug/l	88
70) Styrene	10.103	104	4759	0.796	ug/l	93
71) Bromoform	10.264	173	732	0.455	ug/l #	80
73) Isopropylbenzene	10.463	105	6327	0.659	ug/l	94
74) N-amyl acetate	10.322	43	4228	1.264	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	10.762	83	1950	0.529	ug/l	93
76) 1,2,3-Trichloropropane	10.804	75	2572m	0.668	ug/l	
77) Bromobenzene	10.762	156	2396	0.992	ug/l	89
78) n-propylbenzene	10.888	91	11447	1.040	ug/l	93
79) 2-Chlorotoluene	10.965	91	5753	0.808	ug/l	98
80) 1,3,5-Trimethylbenzene	11.068	105	5563	0.691	ug/l	95
81) trans-1,4-Dichloro-2-b...	10.534	75	308m	0.426	ug/l	
82) 4-Chlorotoluene	11.081	91	8813	1.090	ug/l	93
83) tert-Butylbenzene	11.396	119	5422	0.647	ug/l	93
84) 1,2,4-Trimethylbenzene	11.447	105	6950	0.880	ug/l	96
85) sec-Butylbenzene	11.621	105	10101	0.954	ug/l	98
86) p-Isopropyltoluene	11.772	119	8358	0.983	ug/l	85
87) 1,3-Dichlorobenzene	11.724	146	5617	1.238	ug/l	96
88) 1,4-Dichlorobenzene	11.814	146	6761m	1.424	ug/l	
89) n-Butylbenzene	12.190	91	13966	1.789	ug/l	99
90) Hexachloroethane	12.450	117	506	0.390	ug/l	89
91) 1,2-Dichlorobenzene	12.193	146	5495	1.213	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.975	75	467	0.618	ug/l	95
93) 1,2,4-Trichlorobenzene	13.820	180	7582	2.626	ug/l	96
94) Hexachlorobutadiene	13.994	225	1798	1.236	ug/l	92
95) Naphthalene	14.065	128	28018	3.582	ug/l	98
96) 1,2,3-Trichlorobenzene	14.306	180	7355	2.740	ug/l	96

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

