

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063714.D
 Acq On : 12 Nov 2025 12:41
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 14 05:00:53 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	189202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	316778	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	295198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	151244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.672	65	136928	48.991	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.980%		
35) Dibromofluoromethane	5.258	113	103891	46.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.640%		
50) Toluene-d8	7.872	98	363086	45.552	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.100%#		
62) 4-Bromofluorobenzene	10.608	95	152071	46.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.370	85	590	0.516	ug/l	89
3) Chloromethane	1.509	50	882	0.664	ug/l	90
4) Vinyl Chloride	1.589	62	939	0.668	ug/l	96
5) Bromomethane	1.840	94	1258	1.275	ug/l	84
6) Chloroethane	1.914	64	977	0.919	ug/l	94
7) Trichlorofluoromethane	2.120	101	1431	0.532	ug/l	92
8) Diethyl Ether	2.354	74	652	0.570	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.560	101	959	0.561	ug/l	96
10) Methyl Iodide	2.695	142	982	0.577	ug/l #	89
11) Tert butyl alcohol	3.164	59	2450m	3.757	ug/l	
12) 1,1-Dichloroethene	2.554	96	1072	0.729	ug/l #	66
13) Acrolein	2.464	56	334	6.406	ug/l	96
14) Allyl chloride	2.898	41	1725	0.629	ug/l	92
15) Acrylonitrile	3.338	53	3213m	2.406	ug/l	
16) Acetone	2.608	43	6563	3.590	ug/l	99
17) Carbon Disulfide	2.766	76	1744	0.806	ug/l	96
18) Methyl Acetate	2.949	43	1747m	0.403	ug/l	
19) Methyl tert-butyl Ether	3.338	73	3224	0.486	ug/l #	77
20) Methylene Chloride	3.020	84	2156	1.035	ug/l #	91
21) trans-1,2-Dichloroethene	3.332	96	978	0.648	ug/l #	61
22) Diisopropyl ether	3.968	45	2912m	0.482	ug/l	
23) Vinyl Acetate	3.968	43	11035m	2.678	ug/l	
24) 1,1-Dichloroethane	3.840	63	1853	0.532	ug/l #	81
25) 2-Butanone	4.734	43	8232m	4.278	ug/l	
26) 2,2-Dichloropropane	4.631	77	1619m	0.541	ug/l	
27) cis-1,2-Dichloroethene	4.650	96	1355m	0.614	ug/l	
28) Bromochloromethane	4.949	49	768m	0.551	ug/l	
29) Tetrahydrofuran	5.042	42	3256m	2.908	ug/l	
30) Chloroform	5.062	83	2381	0.624	ug/l	95
31) Cyclohexane	5.341	56	5500	2.235	ug/l #	46
32) 1,1,1-Trichloroethane	5.293	97	1703	0.544	ug/l #	51
36) 1,1-Dichloropropene	5.508	75	1856	0.822	ug/l #	79
37) Ethyl Acetate	4.734	43	8231m	2.574	ug/l	
38) Carbon Tetrachloride	5.496	117	1196	0.490	ug/l	91
39) Methylcyclohexane	6.730	83	1224	0.477	ug/l #	80
40) Benzene	5.753	78	4151	0.570	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.994	41	401	0.241	ug/l #	44
42) 1,2-Dichloroethane	5.769	62	1577m	0.549	ug/l	
43) Isopropyl Acetate	5.891	43	2393m	0.511	ug/l	
44) Trichloroethene	6.528	130	1341	0.656	ug/l	98
45) 1,2-Dichloropropane	6.775	63	1098m	0.554	ug/l	
46) Dibromomethane	6.894	93	808	0.543	ug/l	98
47) Bromodichloromethane	7.081	83	1421	0.471	ug/l #	76
48) Methyl methacrylate	6.955	41	947m	0.412	ug/l	
49) 1,4-Dioxane	6.965	88	333m	5.464	ug/l	
51) 4-Methyl-2-Pentanone	7.775	43	10066	2.807	ug/l	95
52) Toluene	7.949	92	2918	0.617	ug/l	98
53) t-1,3-Dichloropropene	8.193	75	1196	0.471	ug/l #	70
54) cis-1,3-Dichloropropene	7.592	75	1473	0.518	ug/l #	65
55) 1,1,2-Trichloroethane	8.380	97	1327	0.611	ug/l #	86
56) Ethyl methacrylate	8.322	69	1397	0.436	ug/l #	81
57) 1,3-Dichloropropane	8.550	76	1834	0.518	ug/l	96
59) 2-Hexanone	8.688	43	9040	3.384	ug/l	91
60) Dibromochloromethane	8.788	129	989	0.435	ug/l	97
61) 1,2-Dibromoethane	8.904	107	1128	0.539	ug/l	93
64) Tetrachloroethene	8.531	164	1443	0.758	ug/l	89
65) Chlorobenzene	9.421	112	3996	0.693	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.505	131	1029	0.524	ug/l #	62
67) Ethyl Benzene	9.550	91	6147	0.640	ug/l	94
68) m/p-Xylenes	9.675	106	4001	1.128	ug/l	89
69) o-Xylene	10.081	106	2200	0.601	ug/l	98
70) Styrene	10.103	104	3570	0.607	ug/l	89
71) Bromoform	10.274	173	899	0.569	ug/l #	85
73) Isopropylbenzene	10.463	105	5747	0.605	ug/l	98
74) N-amyl acetate	10.325	43	2699m	0.815	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.756	83	2159	0.592	ug/l #	92
76) 1,2,3-Trichloropropane	10.798	75	2493m	0.654	ug/l	
77) Bromobenzene	10.762	156	1680	0.703	ug/l	91
78) n-propylbenzene	10.884	91	8050	0.739	ug/l	95
79) 2-Chlorotoluene	10.965	91	4821	0.684	ug/l	83
80) 1,3,5-Trimethylbenzene	11.068	105	4840	0.607	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.528	75	133m	0.186	ug/l	
82) 4-Chlorotoluene	11.077	91	6383	0.797	ug/l	97
83) tert-Butylbenzene	11.399	119	4755	0.573	ug/l	94
84) 1,2,4-Trimethylbenzene	11.447	105	5084	0.650	ug/l	99
85) sec-Butylbenzene	11.621	105	7130	0.680	ug/l	96
86) p-Isopropyltoluene	11.769	119	6195	0.736	ug/l	91
87) 1,3-Dichlorobenzene	11.727	146	3905	0.869	ug/l	96
88) 1,4-Dichlorobenzene	11.810	146	4511m	0.960	ug/l	
89) n-Butylbenzene	12.190	91	8663	1.121	ug/l	96
90) Hexachloroethane	12.447	117	479	0.373	ug/l	74
91) 1,2-Dichlorobenzene	12.193	146	3687	0.822	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.971	75	418m	0.559	ug/l	
93) 1,2,4-Trichlorobenzene	13.820	180	4343	1.519	ug/l	92
94) Hexachlorobutadiene	13.994	225	1184	0.822	ug/l	95
95) Naphthalene	14.071	128	16958	2.190	ug/l	98
96) 1,2,3-Trichlorobenzene	14.302	180	4231	1.592	ug/l	95

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

