

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111125\
 Data File : VU063705.D
 Acq On : 11 Nov 2025 14:55
 Operator : MD/SY
 Sample : Q3530-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 12 02:28:25 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	194895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	323914	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.392	117	305691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	155317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.672	65	135928	47.213	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.420%		
35) Dibromofluoromethane	5.258	113	102452	45.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.320%		
50) Toluene-d8	7.872	98	372644	45.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.440%#		
62) 4-Bromofluorobenzene	10.608	95	154048	45.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	540	0.459	ug/l	71
3) Chloromethane	1.509	50	749	0.547	ug/l #	86
4) Vinyl Chloride	1.589	62	911	0.629	ug/l #	69
5) Bromomethane	1.840	94	928	0.913	ug/l	87
6) Chloroethane	1.920	64	800	0.731	ug/l	96
7) Trichlorofluoromethane	2.116	101	1188	0.429	ug/l	99
8) Diethyl Ether	2.357	74	656	0.557	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.560	101	683	0.388	ug/l #	87
10) Methyl Iodide	2.695	142	706	0.402	ug/l #	72
11) Tert butyl alcohol	3.164	59	3206	4.773	ug/l #	73
12) 1,1-Dichloroethene	2.560	96	891	0.588	ug/l	87
13) Acrolein	2.454	56	113	2.104	ug/l #	21
14) Allyl chloride	2.904	41	1688m	0.597	ug/l	
15) Acrylonitrile	3.341	53	2503m	1.819	ug/l	
16) Acetone	2.611	43	6326	3.359	ug/l	91
17) Carbon Disulfide	2.769	76	1601	0.718	ug/l #	70
18) Methyl Acetate	2.939	43	1537m	0.344	ug/l	
19) Methyl tert-butyl Ether	3.338	73	2850	0.417	ug/l	92
20) Methylene Chloride	3.023	84	3385	1.577	ug/l	92
21) trans-1,2-Dichloroethene	3.328	96	748	0.481	ug/l	90
22) Diisopropyl ether	3.965	45	2675	0.430	ug/l #	48
23) Vinyl Acetate	3.975	43	6767m	1.594	ug/l	
24) 1,1-Dichloroethane	3.843	63	1247	0.347	ug/l #	81
25) 2-Butanone	4.743	43	5610m	2.830	ug/l	
26) 2,2-Dichloropropane	4.621	77	1415m	0.459	ug/l	
27) cis-1,2-Dichloroethene	4.653	96	973	0.428	ug/l	96
28) Bromochloromethane	4.949	49	498	0.347	ug/l #	70
29) Tetrahydrofuran	5.045	42	2688m	2.330	ug/l	
30) Chloroform	5.061	83	2020	0.514	ug/l	86
31) Cyclohexane	5.348	56	5493	2.167	ug/l #	34
32) 1,1,1-Trichloroethane	5.287	97	1465	0.454	ug/l #	47
36) 1,1-Dichloropropene	5.499	75	1776m	0.769	ug/l	
37) Ethyl Acetate	4.743	43	3954m	1.209	ug/l	
38) Carbon Tetrachloride	5.492	117	1229	0.492	ug/l	86
39) Methylcyclohexane	6.730	83	1201	0.458	ug/l #	82
40) Benzene	5.756	78	3391	0.455	ug/l	99

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41) Methacrylonitrile	5.052	41	2272m	1.337	ug/l	
42) 1,2-Dichloroethane	5.775	62	1333	0.454	ug/l #	75
43) Isopropyl Acetate	5.904	43	2011m	0.420	ug/l	
44) Trichloroethene	6.521	130	1053	0.504	ug/l	85
45) 1,2-Dichloropropane	6.762	63	821	0.405	ug/l #	44
46) Dibromomethane	6.904	93	676	0.444	ug/l	95
47) Bromodichloromethane	7.081	83	1384	0.449	ug/l #	75
48) Methyl methacrylate	6.975	41	1584m	0.673	ug/l	
49) 1,4-Dioxane	6.965	88	301	4.830	ug/l #	65
51) 4-Methyl-2-Pentanone	7.775	43	7413	2.021	ug/l	100
52) Toluene	7.949	92	2443	0.505	ug/l	94
53) t-1,3-Dichloropropene	8.200	75	1102	0.424	ug/l	91
54) cis-1,3-Dichloropropene	7.598	75	1179	0.405	ug/l #	69
55) 1,1,2-Trichloroethane	8.376	97	1044	0.470	ug/l #	82
56) Ethyl methacrylate	8.322	69	1256m	0.384	ug/l	
57) 1,3-Dichloropropane	8.553	76	1541	0.426	ug/l	98
59) 2-Hexanone	8.688	43	5500	2.014	ug/l	99
60) Dibromochloromethane	8.794	129	908	0.391	ug/l	86
61) 1,2-Dibromoethane	8.904	107	1000	0.468	ug/l #	76
64) Tetrachloroethene	8.528	164	952	0.483	ug/l #	86
65) Chlorobenzene	9.425	112	3191	0.534	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.505	131	801	0.394	ug/l #	65
67) Ethyl Benzene	9.550	91	5491	0.552	ug/l	94
68) m/p-Xylenes	9.675	106	3703	1.008	ug/l	99
69) o-Xylene	10.077	106	1812	0.478	ug/l	95
70) Styrene	10.103	104	2661	0.437	ug/l #	76
71) Bromoform	10.267	173	642	0.392	ug/l #	64
73) Isopropylbenzene	10.463	105	4413	0.452	ug/l	98
74) N-amyl acetate	10.315	43	1693	0.498	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	10.759	83	1501	0.401	ug/l #	93
76) 1,2,3-Trichloropropane	10.804	75	1854m	0.474	ug/l	
77) Bromobenzene	10.765	156	1321	0.538	ug/l	82
78) n-propylbenzene	10.884	91	6148	0.549	ug/l	96
79) 2-Chlorotoluene	10.965	91	3738	0.517	ug/l	95
80) 1,3,5-Trimethylbenzene	11.068	105	3360	0.411	ug/l	90
82) 4-Chlorotoluene	11.081	91	4615	0.561	ug/l	94
83) tert-Butylbenzene	11.392	119	4208	0.494	ug/l	91
84) 1,2,4-Trimethylbenzene	11.450	105	4094	0.510	ug/l	95
85) sec-Butylbenzene	11.621	105	5213	0.484	ug/l	96
86) p-Isopropyltoluene	11.769	119	4756	0.550	ug/l	89
87) 1,3-Dichlorobenzene	11.724	146	2709	0.587	ug/l	94
88) 1,4-Dichlorobenzene	11.814	146	3530m	0.731	ug/l	
89) n-Butylbenzene	12.190	91	5255	0.662	ug/l	98
90) Hexachloroethane	12.441	117	424	0.322	ug/l	86
91) 1,2-Dichlorobenzene	12.196	146	2818	0.612	ug/l	83
92) 1,2-Dibromo-3-Chloropr...	12.978	75	142	0.185	ug/l	82
93) 1,2,4-Trichlorobenzene	13.820	180	2401	0.818	ug/l	95
94) Hexachlorobutadiene	13.994	225	795	0.537	ug/l	89
95) Naphthalene	14.068	128	9500	1.194	ug/l	98
96) 1,2,3-Trichlorobenzene	14.309	180	2501	0.916	ug/l	97

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