

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063479.D
 Acq On : 10 Jul 2025 14:37
 Operator : MD/SY
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/16/2025
 Supervised By :Semsettin Yesilyurt 07/16/2025

Quant Time: Jul 11 04:54:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 11 04:42:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	118550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	210515	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	190774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.807	152	96096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	73384	48.516	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.040%		
35) Dibromofluoromethane	5.280	113	58529	46.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.240%		
50) Toluene-d8	7.888	98	183997	44.483	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.960%#		
62) 4-Bromofluorobenzene	10.627	95	81653	45.130	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	582	0.617	ug/l	88
3) Chloromethane	1.518	50	898	0.782	ug/l #	83
4) Vinyl Chloride	1.595	62	907	0.712	ug/l #	82
5) Bromomethane	1.849	94	982	1.101	ug/l	94
6) Chloroethane	1.920	64	809	0.877	ug/l	99
7) Trichlorofluoromethane	2.129	101	1278	0.622	ug/l	96
8) Diethyl Ether	2.370	74	447	0.522	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.573	101	484	0.398	ug/l #	61
10) Methyl Iodide	2.708	142	771	0.607	ug/l #	77
11) Tert butyl alcohol	3.209	59	2540m	5.008	ug/l	
12) 1,1-Dichloroethene	2.570	96	836	0.739	ug/l #	72
13) Acrolein	2.473	56	298m	4.163	ug/l	
14) Allyl chloride	2.904	41	2084	0.774	ug/l #	75
15) Acrylonitrile	3.312	53	3879	3.571	ug/l	94
16) Acetone	2.624	43	6184	4.874	ug/l #	81
17) Carbon Disulfide	2.779	76	2697	0.997	ug/l #	90
18) Methyl Acetate	2.943	43	1639	0.502	ug/l #	85
19) Methyl tert-butyl Ether	3.357	73	2674	0.548	ug/l #	73
20) Methylene Chloride	3.029	84	2703	1.461	ug/l	98
21) trans-1,2-Dichloroethene	3.335	96	1119	0.921	ug/l #	60
22) Diisopropyl ether	3.997	45	2451	0.535	ug/l #	50
23) Vinyl Acetate	3.965	43	8300	2.333	ug/l	98
24) 1,1-Dichloroethane	3.849	63	1469m	0.565	ug/l	
25) 2-Butanone	4.762	43	5860m	4.114	ug/l	
26) 2,2-Dichloropropane	4.647	77	1212	0.535	ug/l #	68
27) cis-1,2-Dichloroethene	4.666	96	882m	0.550	ug/l	
28) Bromochloromethane	4.968	49	734m	0.601	ug/l	
29) Tetrahydrofuran	5.071	42	2323	2.585	ug/l	94
30) Chloroform	5.074	83	1524	0.555	ug/l	96
31) Cyclohexane	5.357	56	3862	1.847	ug/l #	20
32) 1,1,1-Trichloroethane	5.299	97	1104	0.472	ug/l #	52
36) 1,1-Dichloropropene	5.524	75	1264m	0.733	ug/l	
37) Ethyl Acetate	4.795	43	2136m	0.765	ug/l	
38) Carbon Tetrachloride	5.508	117	1175	0.618	ug/l #	55
39) Methylcyclohexane	6.750	83	1327	0.637	ug/l	99
40) Benzene	5.766	78	3016m	0.560	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.016	41	621m	0.471	ug/l	
42) 1,2-Dichloroethane	5.795	62	1282	0.633	ug/l	80
43) Isopropyl Acetate	5.936	43	2582m	0.696	ug/l	
44) Trichloroethene	6.544	130	739	0.513	ug/l	87
45) 1,2-Dichloropropane	6.785	63	670m	0.448	ug/l	
46) Dibromomethane	6.907	93	529	0.497	ug/l	93
47) Bromodichloromethane	7.100	83	1144	0.517	ug/l #	97
48) Methyl methacrylate	6.981	41	1076m	0.628	ug/l	
49) 1,4-Dioxane	6.981	88	257	6.832	ug/l #	72
51) 4-Methyl-2-Pentanone	7.794	43	8074	3.008	ug/l	96
52) Toluene	7.965	92	1911	0.543	ug/l	89
53) t-1,3-Dichloropropene	8.216	75	746	0.385	ug/l #	80
54) cis-1,3-Dichloropropene	7.611	75	996	0.459	ug/l #	86
55) 1,1,2-Trichloroethane	8.399	97	712	0.476	ug/l	94
56) Ethyl methacrylate	8.351	69	1094	0.453	ug/l #	77
57) 1,3-Dichloropropane	8.569	76	1106	0.449	ug/l	99
59) 2-Hexanone	8.695	43	6857	3.377	ug/l	86
60) Dibromochloromethane	8.807	129	622	0.371	ug/l	75
61) 1,2-Dibromoethane	8.926	107	842	0.574	ug/l #	66
64) Tetrachloroethene	8.544	164	723	0.509	ug/l	91
65) Chlorobenzene	9.441	112	2383	0.600	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.524	131	690	0.507	ug/l #	56
67) Ethyl Benzene	9.566	91	3951	0.579	ug/l	95
68) m/p-Xylenes	9.692	106	3016	1.158	ug/l	90
69) o-Xylene	10.100	106	1322	0.499	ug/l	95
70) Styrene	10.122	104	1862	0.442	ug/l #	87
71) Bromoform	10.290	173	631	0.532	ug/l #	74
73) Isopropylbenzene	10.482	105	3479	0.532	ug/l	98
74) N-amyl acetate	10.335	43	2220m	0.757	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.778	83	1179	0.490	ug/l #	94
76) 1,2,3-Trichloropropane	10.817	75	1835	0.721	ug/l #	81
77) Bromobenzene	10.775	156	807	0.504	ug/l #	61
78) n-propylbenzene	10.900	91	4424	0.583	ug/l	95
79) 2-Chlorotoluene	10.981	91	2930	0.616	ug/l	97
80) 1,3,5-Trimethylbenzene	11.084	105	3033	0.530	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.540	75	237m	0.464	ug/l	
82) 4-Chlorotoluene	11.103	91	3420	0.633	ug/l	99
83) tert-Butylbenzene	11.412	119	3244	0.591	ug/l	94
84) 1,2,4-Trimethylbenzene	11.466	105	3240	0.577	ug/l	94
85) sec-Butylbenzene	11.637	105	4279	0.591	ug/l	88
86) p-Isopropyltoluene	11.788	119	3523	0.600	ug/l	88
87) 1,3-Dichlorobenzene	11.746	146	1921	0.622	ug/l	95
88) 1,4-Dichlorobenzene	11.833	146	2248m	0.714	ug/l	
89) n-Butylbenzene	12.212	91	3879	0.714	ug/l	98
90) Hexachloroethane	12.466	117	442	0.450	ug/l #	58
91) 1,2-Dichlorobenzene	12.216	146	1701	0.565	ug/l	84
92) 1,2-Dibromo-3-Chloropr...	13.000	75	254	0.446	ug/l	71
93) 1,2,4-Trichlorobenzene	13.846	180	1435	0.744	ug/l	90
94) Hexachlorobutadiene	14.023	225	441	0.535	ug/l	93
95) Naphthalene	14.103	128	6819m	1.080	ug/l	
96) 1,2,3-Trichlorobenzene	14.331	180	1301	0.686	ug/l	90

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

