

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063497.D
 Acq On : 11 Jul 2025 17:02
 Operator : MD/SY
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 03:59:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 12 03:41:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.358	168	98344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	181303	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	165584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	84841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.689	65	70331	56.052	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.100%			
35) Dibromofluoromethane	5.277	113	54192	49.587	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	7.888	98	166298	46.682	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.360%			
62) 4-Bromofluorobenzene	10.624	95	75778	48.631	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	292	0.373	ug/l #	43
3) Chloromethane	1.519	50	805	0.845	ug/l	97
4) Vinyl Chloride	1.599	62	531	0.503	ug/l #	79
5) Bromomethane	1.850	94	835	1.128	ug/l #	71
6) Chloroethane	1.920	64	622	0.813	ug/l	91
7) Trichlorofluoromethane	2.123	101	824	0.484	ug/l #	83
8) Diethyl Ether	2.367	74	312	0.439	ug/l	65
9) 1,1,2-Trichlorotrifluo...	2.570	101	509	0.505	ug/l	93
10) Methyl Iodide	2.708	142	787	0.748	ug/l #	77
11) Tert butyl alcohol	3.200	59	1916m	4.554	ug/l	
12) 1,1-Dichloroethene	2.570	96	776	0.827	ug/l #	63
13) Acrolein	2.483	56	421m	7.090	ug/l	
14) Allyl chloride	2.904	41	1487m	0.666	ug/l	
15) Acrylonitrile	3.306	53	3186	3.536	ug/l #	81
16) Acetone	2.621	43	3714	3.529	ug/l	93
17) Carbon Disulfide	2.772	76	1810	0.807	ug/l #	91
18) Methyl Acetate	2.949	43	1933	0.714	ug/l #	86
19) Methyl tert-butyl Ether	3.361	73	1830	0.452	ug/l	99
20) Methylene Chloride	3.023	84	1194	0.778	ug/l #	93
21) trans-1,2-Dichloroethene	3.338	96	603	0.598	ug/l #	77
22) Diisopropyl ether	3.994	45	1860	0.489	ug/l #	76
23) Vinyl Acetate	3.965	43	6534	2.214	ug/l	98
24) 1,1-Dichloroethane	3.846	63	1072m	0.497	ug/l	
25) 2-Butanone	4.750	43	5479m	4.637	ug/l	
26) 2,2-Dichloropropane	4.644	77	788	0.420	ug/l #	57
27) cis-1,2-Dichloroethene	4.653	96	536m	0.403	ug/l	
28) Bromochloromethane	4.965	49	518	0.511	ug/l #	92
29) Tetrahydrofuran	5.078	42	2238	3.003	ug/l #	80
30) Chloroform	5.081	83	1212	0.532	ug/l	93
31) Cyclohexane	5.358	56	3759	2.167	ug/l #	47
32) 1,1,1-Trichloroethane	5.290	97	800	0.412	ug/l #	49
36) 1,1-Dichloropropene	5.505	75	770m	0.519	ug/l	
37) Ethyl Acetate	4.862	43	1406m	0.585	ug/l	
38) Carbon Tetrachloride	5.505	117	1020m	0.623	ug/l	
39) Methylcyclohexane	6.740	83	891	0.497	ug/l #	93
40) Benzene	5.772	78	2287	0.493	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.007	41	530m	0.467	ug/l	
42) 1,2-Dichloroethane	5.792	62	947m	0.543	ug/l	
43) Isopropyl Acetate	5.936	43	1841m	0.576	ug/l	
44) Trichloroethene	6.538	130	509	0.410	ug/l	99
45) 1,2-Dichloropropane	6.788	63	545	0.423	ug/l #	43
46) Dibromomethane	6.920	93	370m	0.403	ug/l	
47) Bromodichloromethane	7.103	83	634	0.332	ug/l #	89
48) Methyl methacrylate	6.985	41	1231m	0.834	ug/l	
49) 1,4-Dioxane	6.981	88	317m	9.785	ug/l	
51) 4-Methyl-2-Pentanone	7.792	43	6049	2.616	ug/l	97
52) Toluene	7.965	92	1530	0.504	ug/l	80
53) t-1,3-Dichloropropene	8.210	75	624	0.374	ug/l #	57
54) cis-1,3-Dichloropropene	7.605	75	706	0.378	ug/l #	73
55) 1,1,2-Trichloroethane	8.396	97	625	0.485	ug/l #	82
56) Ethyl methacrylate	8.345	69	664	0.320	ug/l #	58
57) 1,3-Dichloropropane	8.573	76	1065	0.502	ug/l #	67
59) 2-Hexanone	8.692	43	5182	2.963	ug/l	88
60) Dibromochloromethane	8.804	129	490	0.340	ug/l	92
61) 1,2-Dibromoethane	8.917	107	593	0.469	ug/l #	60
64) Tetrachloroethene	8.541	164	463	0.376	ug/l	93
65) Chlorobenzene	9.441	112	1737	0.504	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.531	131	426	0.361	ug/l #	63
67) Ethyl Benzene	9.573	91	2968	0.501	ug/l	95
68) m/p-Xylenes	9.692	106	2340	1.036	ug/l	93
69) o-Xylene	10.097	106	923	0.402	ug/l	80
70) Styrene	10.116	104	1680	0.460	ug/l #	79
71) Bromoform	10.283	173	316	0.307	ug/l #	96
73) Isopropylbenzene	10.476	105	2447	0.424	ug/l	99
74) N-amyl acetate	10.341	43	1490m	0.576	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.772	83	861	0.405	ug/l #	96
76) 1,2,3-Trichloropropane	10.820	75	1235m	0.549	ug/l	
77) Bromobenzene	10.779	156	628	0.444	ug/l	57
78) n-propylbenzene	10.901	91	3691	0.551	ug/l	86
79) 2-Chlorotoluene	10.981	91	2361	0.562	ug/l	88
80) 1,3,5-Trimethylbenzene	11.084	105	2315	0.458	ug/l	98
82) 4-Chlorotoluene	11.097	91	2397	0.503	ug/l	97
83) tert-Butylbenzene	11.415	119	2090	0.432	ug/l	84
84) 1,2,4-Trimethylbenzene	11.470	105	2295	0.463	ug/l	95
85) sec-Butylbenzene	11.637	105	3417	0.535	ug/l	91
86) p-Isopropyltoluene	11.791	119	2709	0.523	ug/l	86
87) 1,3-Dichlorobenzene	11.743	146	1526	0.560	ug/l	99
88) 1,4-Dichlorobenzene	11.830	146	1652m	0.594	ug/l	
89) n-Butylbenzene	12.209	91	2887	0.602	ug/l	86
91) 1,2-Dichlorobenzene	12.216	146	1468	0.552	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	12.994	75	149	0.296	ug/l	79
93) 1,2,4-Trichlorobenzene	13.852	180	1241	0.729	ug/l	94
94) Hexachlorobutadiene	14.010	225	277	0.381	ug/l #	59
95) Naphthalene	14.106	128	5117	0.918	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.328	180	1080	0.645	ug/l	89

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

