

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063496.D
 Acq On : 11 Jul 2025 16:40
 Operator : MD/SY
 Sample : MDL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Quant Time: Jul 12 03:58:29 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	101701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	185708	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	169062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	84088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.688	65	73361	56.537	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.080%			
35) Dibromofluoromethane	5.274	113	56822	50.760	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	7.888	98	174130	47.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.440%			
62) 4-Bromofluorobenzene	10.624	95	78053	48.903	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	379	0.469	ug/l	80
3) Chloromethane	1.518	50	768	0.780	ug/l #	74
4) Vinyl Chloride	1.599	62	642	0.588	ug/l	98
5) Bromomethane	1.846	94	894	1.168	ug/l	93
6) Chloroethane	1.923	64	954	1.205	ug/l	98
7) Trichlorofluoromethane	2.129	101	757	0.430	ug/l #	66
8) Diethyl Ether	2.370	74	467	0.636	ug/l #	24
9) 1,1,2-Trichlorotrifluo...	2.560	101	500	0.480	ug/l #	79
10) Methyl Iodide	2.708	142	702	0.645	ug/l #	87
11) Tert butyl alcohol	3.197	59	2386	5.484	ug/l #	91
12) 1,1-Dichloroethene	2.570	96	701	0.722	ug/l #	77
13) Acrolein	2.476	56	452m	7.361	ug/l	
14) Allyl chloride	2.910	41	1282m	0.555	ug/l	
15) Acrylonitrile	3.309	53	3790	4.067	ug/l	95
16) Acetone	2.624	43	3977	3.654	ug/l #	84
17) Carbon Disulfide	2.775	76	2101	0.906	ug/l	97
18) Methyl Acetate	2.946	43	2348	0.838	ug/l #	88
19) Methyl tert-butyl Ether	3.367	73	2401m	0.574	ug/l	
20) Methylene Chloride	3.020	84	1138	0.717	ug/l #	78
21) trans-1,2-Dichloroethene	3.325	96	771	0.740	ug/l #	76
22) Diisopropyl ether	3.984	45	1697m	0.432	ug/l	
23) Vinyl Acetate	3.971	43	6981	2.288	ug/l	99
24) 1,1-Dichloroethane	3.853	63	1039m	0.466	ug/l	
25) 2-Butanone	4.759	43	5959m	4.877	ug/l	
26) 2,2-Dichloropropane	4.653	77	823m	0.424	ug/l	
27) cis-1,2-Dichloroethene	4.656	96	816m	0.593	ug/l	
28) Bromochloromethane	4.968	49	471	0.449	ug/l #	73
29) Tetrahydrofuran	5.068	42	2364	3.067	ug/l #	69
30) Chloroform	5.071	83	1100	0.467	ug/l	91
31) Cyclohexane	5.360	56	3723	2.075	ug/l #	32
32) 1,1,1-Trichloroethane	5.296	97	654	0.326	ug/l #	47
36) 1,1-Dichloropropene	5.518	75	940	0.618	ug/l #	66
37) Ethyl Acetate	4.865	43	1558m	0.632	ug/l	
38) Carbon Tetrachloride	5.505	117	866	0.517	ug/l #	72
39) Methylcyclohexane	6.743	83	886	0.482	ug/l #	75
40) Benzene	5.769	78	2390	0.503	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.016	41	817m	0.703	ug/l	
42) 1,2-Dichloroethane	5.795	62	887m	0.497	ug/l	
43) Isopropyl Acetate	5.939	43	2368m	0.724	ug/l	
44) Trichloroethene	6.531	130	657	0.517	ug/l	99
45) 1,2-Dichloropropane	6.785	63	450m	0.341	ug/l	
46) Dibromomethane	6.926	93	485m	0.516	ug/l	
47) Bromodichloromethane	7.094	83	766	0.392	ug/l #	88
48) Methyl methacrylate	6.984	41	1126m	0.745	ug/l	
49) 1,4-Dioxane	6.981	88	334m	10.065	ug/l	
51) 4-Methyl-2-Pentanone	7.798	43	7391	3.121	ug/l	98
52) Toluene	7.968	92	1716	0.552	ug/l	88
53) t-1,3-Dichloropropene	8.209	75	739	0.432	ug/l #	65
54) cis-1,3-Dichloropropene	7.608	75	753	0.393	ug/l #	80
55) 1,1,2-Trichloroethane	8.396	97	567	0.430	ug/l #	71
56) Ethyl methacrylate	8.335	69	894	0.420	ug/l #	75
57) 1,3-Dichloropropane	8.569	76	1021	0.469	ug/l	95
59) 2-Hexanone	8.692	43	6217	3.471	ug/l	95
60) Dibromochloromethane	8.801	129	565	0.382	ug/l	73
61) 1,2-Dibromoethane	8.917	107	546	0.422	ug/l	87
64) Tetrachloroethene	8.550	164	575	0.457	ug/l	93
65) Chlorobenzene	9.434	112	1871	0.532	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.524	131	468	0.388	ug/l #	62
67) Ethyl Benzene	9.566	91	3160	0.523	ug/l	97
68) m/p-Xylenes	9.688	106	2503	1.085	ug/l	96
69) o-Xylene	10.097	106	975	0.416	ug/l	73
70) Styrene	10.132	104	1620	0.434	ug/l	96
71) Bromoform	10.293	173	330m	0.314	ug/l	
73) Isopropylbenzene	10.479	105	3224	0.563	ug/l	97
74) N-amyl acetate	10.328	43	1755	0.684	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	10.778	83	1125	0.534	ug/l #	81
76) 1,2,3-Trichloropropane	10.817	75	1676	0.752	ug/l #	53
77) Bromobenzene	10.781	156	587	0.419	ug/l #	32
78) n-propylbenzene	10.904	91	4205	0.634	ug/l	95
79) 2-Chlorotoluene	10.984	91	2512	0.604	ug/l	91
80) 1,3,5-Trimethylbenzene	11.087	105	2866m	0.573	ug/l	
82) 4-Chlorotoluene	11.100	91	2850	0.603	ug/l	94
83) tert-Butylbenzene	11.408	119	2455	0.512	ug/l	92
84) 1,2,4-Trimethylbenzene	11.470	105	2695	0.548	ug/l	90
85) sec-Butylbenzene	11.634	105	3622	0.572	ug/l	94
86) p-Isopropyltoluene	11.791	119	3292	0.641	ug/l	92
87) 1,3-Dichlorobenzene	11.743	146	1859	0.688	ug/l	87
88) 1,4-Dichlorobenzene	11.826	146	2035m	0.739	ug/l	
89) n-Butylbenzene	12.212	91	3976	0.836	ug/l	91
90) Hexachloroethane	12.470	117	305	0.355	ug/l #	34
91) 1,2-Dichlorobenzene	12.216	146	1484	0.563	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.997	75	241	0.483	ug/l #	35
93) 1,2,4-Trichlorobenzene	13.839	180	1470	0.871	ug/l	94
94) Hexachlorobutadiene	14.016	225	367	0.509	ug/l	78
95) Naphthalene	14.100	128	7104	1.285	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.338	180	1263	0.761	ug/l	84

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