

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063477.D
 Acq On : 10 Jul 2025 13:45
 Operator : MD/SY
 Sample : MDL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Quant Time: Jul 11 04:52:22 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

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	108463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	198442	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	179828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	95719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	72124	52.118	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.274	113	56464	47.204	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.400%			
50) Toluene-d8	7.888	98	178079	45.671	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.340%#			
62) 4-Bromofluorobenzene	10.624	95	82039	48.102	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2445	2.834	ug/l	91
3) Chloromethane	1.515	50	3012	2.867	ug/l	96
4) Vinyl Chloride	1.595	62	3300	2.833	ug/l	89
5) Bromomethane	1.843	94	3578	4.383	ug/l	97
6) Chloroethane	1.923	64	2344	2.777	ug/l #	87
7) Trichlorofluoromethane	2.126	101	5468	2.909	ug/l #	83
8) Diethyl Ether	2.367	74	2307	2.945	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.563	101	3142	2.826	ug/l	93
10) Methyl Iodide	2.708	142	2725	2.347	ug/l #	81
11) Tert butyl alcohol	3.197	59	9017	19.434	ug/l	98
12) 1,1-Dichloroethene	2.570	96	3337	3.225	ug/l	95
13) Acrolein	2.476	56	946m	14.445	ug/l	
14) Allyl chloride	2.904	41	9244m	3.753	ug/l	
15) Acrylonitrile	3.303	53	16265	16.365	ug/l	93
16) Acetone	2.621	43	19426	16.734	ug/l	96
17) Carbon Disulfide	2.775	76	8851	3.578	ug/l	96
18) Methyl Acetate	2.936	43	8463	2.833	ug/l	99
19) Methyl tert-butyl Ether	3.357	73	12391	2.776	ug/l	98
20) Methylene Chloride	3.026	84	6151	3.634	ug/l	89
21) trans-1,2-Dichloroethene	3.332	96	3617	3.253	ug/l	94
22) Diisopropyl ether	3.988	45	11378	2.713	ug/l #	62
23) Vinyl Acetate	3.952	43	44729	13.744	ug/l	96
24) 1,1-Dichloroethane	3.849	63	6290	2.643	ug/l	99
25) 2-Butanone	4.718	43	18531	14.220	ug/l	96
26) 2,2-Dichloropropane	4.647	77	5225	2.523	ug/l	96
27) cis-1,2-Dichloroethene	4.650	96	4115	2.804	ug/l	85
28) Bromochloromethane	4.965	49	3294	2.946	ug/l #	92
29) Tetrahydrofuran	5.058	42	13520	16.446	ug/l	95
30) Chloroform	5.074	83	6888	2.741	ug/l	97
31) Cyclohexane	5.357	56	8102	4.234	ug/l #	80
32) 1,1,1-Trichloroethane	5.296	97	5877	2.747	ug/l	92
36) 1,1-Dichloropropene	5.515	75	4344	2.673	ug/l	81
37) Ethyl Acetate	4.827	43	6986m	2.654	ug/l	
38) Carbon Tetrachloride	5.512	117	4540	2.535	ug/l	95
39) Methylcyclohexane	6.746	83	5694	2.899	ug/l	95
40) Benzene	5.766	78	12775	2.517	ug/l #	88

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Quant Time: Jul 11 04:52:22 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.988	41	3414m	2.749	ug/l	
42) 1,2-Dichloroethane	5.791	62	5632	2.951	ug/l	98
43) Isopropyl Acetate	5.920	43	9534	2.727	ug/l #	93
44) Trichloroethene	6.534	130	3691	2.717	ug/l	90
45) 1,2-Dichloropropane	6.779	63	3866	2.740	ug/l	97
46) Dibromomethane	6.910	93	2799	2.788	ug/l	98
47) Bromodichloromethane	7.094	83	4860	2.328	ug/l	93
48) Methyl methacrylate	6.968	41	4807	2.975	ug/l	86
49) 1,4-Dioxane	6.965	88	2413m	68.048	ug/l	
51) 4-Methyl-2-Pentanone	7.785	43	37552	14.839	ug/l	97
52) Toluene	7.962	92	8792	2.648	ug/l	99
53) t-1,3-Dichloropropene	8.206	75	4010	2.195	ug/l	95
54) cis-1,3-Dichloropropene	7.602	75	4396	2.150	ug/l	98
55) 1,1,2-Trichloroethane	8.396	97	3640	2.582	ug/l	92
56) Ethyl methacrylate	8.332	69	5713	2.512	ug/l	97
57) 1,3-Dichloropropane	8.566	76	6078	2.615	ug/l	98
59) 2-Hexanone	8.682	43	29221	15.267	ug/l	93
60) Dibromochloromethane	8.798	129	3812	2.413	ug/l	92
61) 1,2-Dibromoethane	8.917	107	3604	2.604	ug/l	99
64) Tetrachloroethene	8.544	164	3602	2.691	ug/l	96
65) Chlorobenzene	9.438	112	10381	2.775	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.521	131	3111	2.425	ug/l	84
67) Ethyl Benzene	9.563	91	17309	2.692	ug/l	99
68) m/p-Xylenes	9.688	106	13214	5.385	ug/l	97
69) o-Xylene	10.094	106	6600	2.645	ug/l	99
70) Styrene	10.113	104	10068	2.538	ug/l	98
71) Bromoform	10.280	173	2526	2.259	ug/l #	95
73) Isopropylbenzene	10.476	105	16146	2.479	ug/l	100
74) N-amyl acetate	10.319	43	8096	2.772	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.775	83	6702	2.796	ug/l	93
76) 1,2,3-Trichloropropane	10.814	75	6961	2.744	ug/l #	81
77) Bromobenzene	10.782	156	4176	2.616	ug/l	90
78) n-propylbenzene	10.901	91	20818	2.756	ug/l	96
79) 2-Chlorotoluene	10.981	91	11944	2.521	ug/l	97
80) 1,3,5-Trimethylbenzene	11.081	105	14333	2.516	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.540	75	1145m	2.252	ug/l	
82) 4-Chlorotoluene	11.097	91	14332	2.665	ug/l	98
83) tert-Butylbenzene	11.412	119	13726	2.512	ug/l	95
84) 1,2,4-Trimethylbenzene	11.460	105	13852	2.476	ug/l	99
85) sec-Butylbenzene	11.634	105	18216	2.527	ug/l	99
86) p-Isopropyltoluene	11.785	119	15322	2.620	ug/l	98
87) 1,3-Dichlorobenzene	11.740	146	7922	2.575	ug/l	98
88) 1,4-Dichlorobenzene	11.830	146	9357	2.983	ug/l	91
89) n-Butylbenzene	12.206	91	14707	2.717	ug/l	95
90) Hexachloroethane	12.466	117	2096	2.143	ug/l	88
91) 1,2-Dichlorobenzene	12.209	146	7930	2.643	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.991	75	1591	2.802	ug/l	96
93) 1,2,4-Trichlorobenzene	13.839	180	5718	2.976	ug/l	97
94) Hexachlorobutadiene	14.013	225	1998	2.433	ug/l	98
95) Naphthalene	14.087	128	21905	3.482	ug/l	99
96) 1,2,3-Trichlorobenzene	14.325	180	5024	2.661	ug/l	95

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

