

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063490.D
 Acq On : 11 Jul 2025 12:01
 Operator : MD/SY
 Sample : MDL04
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 03:49:58 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	5.357	168	108768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	192777	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	179228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	90183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.689	65	76034	54.789	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.580%			
35) Dibromofluoromethane	5.274	113	58364	50.226	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.460%			
50) Toluene-d8	7.888	98	188595	49.790	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.580%			
62) 4-Bromofluorobenzene	10.624	95	82680	49.903	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	387	0.447	ug/l	91
3) Chloromethane	1.518	50	732	0.695	ug/l #	69
4) Vinyl Chloride	1.599	62	683	0.585	ug/l #	81
5) Bromomethane	1.846	94	923	1.128	ug/l	91
6) Chloroethane	1.920	64	583	0.689	ug/l #	74
7) Trichlorofluoromethane	2.123	101	1133	0.601	ug/l	91
8) Diethyl Ether	2.370	74	437	0.556	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.573	101	609	0.546	ug/l #	84
10) Methyl Iodide	2.708	142	885	0.760	ug/l #	89
11) Tert butyl alcohol	3.187	59	2086	4.483	ug/l #	82
12) 1,1-Dichloroethene	2.563	96	880	0.848	ug/l #	59
13) Acrolein	2.477	56	234m	3.563	ug/l	
14) Allyl chloride	2.911	41	1232	0.499	ug/l #	34
15) Acrylonitrile	3.303	53	3895	3.908	ug/l #	86
16) Acetone	2.621	43	4856	4.171	ug/l	98
17) Carbon Disulfide	2.776	76	2235	0.901	ug/l	99
18) Methyl Acetate	2.943	43	2361	0.788	ug/l	92
19) Methyl tert-butyl Ether	3.361	73	2378	0.531	ug/l #	86
20) Methylene Chloride	3.026	84	1518	0.894	ug/l #	95
21) trans-1,2-Dichloroethene	3.335	96	908	0.814	ug/l #	77
22) Diisopropyl ether	3.981	45	2409m	0.573	ug/l	
23) Vinyl Acetate	3.965	43	7685	2.355	ug/l	96
24) 1,1-Dichloroethane	3.856	63	1531m	0.641	ug/l	
25) 2-Butanone	4.747	43	6210m	4.752	ug/l	
26) 2,2-Dichloropropane	4.647	77	1071	0.516	ug/l #	68
27) cis-1,2-Dichloroethene	4.653	96	938m	0.637	ug/l	
28) Bromochloromethane	4.975	49	531m	0.474	ug/l	
29) Tetrahydrofuran	5.068	42	2533	3.073	ug/l #	63
30) Chloroform	5.081	83	1282	0.509	ug/l	100
31) Cyclohexane	5.361	56	3657	1.906	ug/l #	15
32) 1,1,1-Trichloroethane	5.300	97	890	0.415	ug/l #	46
36) 1,1-Dichloropropene	5.512	75	1040	0.659	ug/l #	74
37) Ethyl Acetate	4.878	43	1781m	0.696	ug/l	
38) Carbon Tetrachloride	5.496	117	1012m	0.582	ug/l	
39) Methylcyclohexane	6.747	83	1093	0.573	ug/l	91
40) Benzene	5.772	78	2574	0.522	ug/l #	86

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Quant Time: Jul 12 03:49:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.013	41	580	0.481	ug/l #	38
42) 1,2-Dichloroethane	5.795	62	1028m	0.554	ug/l	
43) Isopropyl Acetate	5.936	43	1999m	0.589	ug/l	
44) Trichloroethene	6.538	130	526	0.399	ug/l	38
45) 1,2-Dichloropropane	6.779	63	530m	0.387	ug/l	
46) Dibromomethane	6.914	93	473	0.485	ug/l #	60
47) Bromodichloromethane	7.097	83	854	0.421	ug/l #	82
48) Methyl methacrylate	6.978	41	1336m	0.851	ug/l	
49) 1,4-Dioxane	6.981	88	561	16.285	ug/l #	77
51) 4-Methyl-2-Pentanone	7.795	43	8652	3.519	ug/l	100
52) Toluene	7.965	92	1567	0.486	ug/l	77
53) t-1,3-Dichloropropene	8.203	75	834	0.470	ug/l #	83
54) cis-1,3-Dichloropropene	7.602	75	770	0.388	ug/l #	56
55) 1,1,2-Trichloroethane	8.390	97	556	0.406	ug/l #	86
56) Ethyl methacrylate	8.341	69	953	0.431	ug/l #	49
57) 1,3-Dichloropropane	8.570	76	1175	0.520	ug/l	96
59) 2-Hexanone	8.692	43	6771	3.641	ug/l	98
60) Dibromochloromethane	8.798	129	550	0.358	ug/l	95
61) 1,2-Dibromoethane	8.927	107	659	0.490	ug/l	100
64) Tetrachloroethene	8.541	164	654	0.490	ug/l	96
65) Chlorobenzene	9.438	112	2069	0.555	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.521	131	555	0.434	ug/l #	58
67) Ethyl Benzene	9.563	91	3629	0.566	ug/l	99
68) m/p-Xylenes	9.685	106	2522	1.031	ug/l	89
69) o-Xylene	10.100	106	1232	0.495	ug/l	86
70) Styrene	10.116	104	1799	0.455	ug/l #	85
71) Bromoform	10.287	173	520	0.467	ug/l #	70
73) Isopropylbenzene	10.476	105	3469	0.565	ug/l	93
74) N-amyl acetate	10.332	43	2047	0.744	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	10.772	83	1170	0.518	ug/l #	96
76) 1,2,3-Trichloropropane	10.817	75	1645	0.688	ug/l #	81
77) Bromobenzene	10.779	156	903	0.600	ug/l	78
78) n-propylbenzene	10.901	91	4787	0.673	ug/l	98
79) 2-Chlorotoluene	10.981	91	2889	0.647	ug/l	98
80) 1,3,5-Trimethylbenzene	11.081	105	3238	0.603	ug/l	88
81) trans-1,4-Dichloro-2-b...	10.550	75	216m	0.451	ug/l	
82) 4-Chlorotoluene	11.100	91	4011	0.792	ug/l	95
83) tert-Butylbenzene	11.412	119	3143	0.611	ug/l	97
84) 1,2,4-Trimethylbenzene	11.463	105	3549	0.673	ug/l	90
85) sec-Butylbenzene	11.634	105	3896	0.574	ug/l	99
86) p-Isopropyltoluene	11.785	119	3560	0.646	ug/l	84
87) 1,3-Dichlorobenzene	11.750	146	2125	0.733	ug/l	92
88) 1,4-Dichlorobenzene	11.823	146	2414m	0.817	ug/l	
89) n-Butylbenzene	12.206	91	5253	1.030	ug/l	93
90) Hexachloroethane	12.467	117	326	0.354	ug/l	90
91) 1,2-Dichlorobenzene	12.209	146	1966	0.696	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	13.007	75	249	0.465	ug/l #	31
93) 1,2,4-Trichlorobenzene	13.849	180	2185	1.207	ug/l	93
94) Hexachlorobutadiene	14.010	225	622	0.804	ug/l	84
95) Naphthalene	14.097	128	9906	1.671	ug/l #	97
96) 1,2,3-Trichlorobenzene	14.325	180	2042	1.148	ug/l #	82

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

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

