

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063488.D
 Acq On : 11 Jul 2025 11:15
 Operator : MD/SY
 Sample : MDL04
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 12 03:47:58 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	5.361	168	108587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	191208	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	176795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	88726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	76945	55.538	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.080%			
35) Dibromofluoromethane	5.277	113	60138	52.177	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%			
50) Toluene-d8	7.888	98	191834	51.060	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.120%			
62) 4-Bromofluorobenzene	10.624	95	85675	52.135	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2378	2.754	ug/l	91
3) Chloromethane	1.519	50	3297	3.134	ug/l	91
4) Vinyl Chloride	1.599	62	3834	3.287	ug/l	99
5) Bromomethane	1.843	94	3775	4.620	ug/l	97
6) Chloroethane	1.921	64	2388	2.826	ug/l	94
7) Trichlorofluoromethane	2.126	101	5393	2.866	ug/l	100
8) Diethyl Ether	2.368	74	2202	2.808	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.567	101	3322	2.985	ug/l	94
10) Methyl Iodide	2.708	142	3342	2.875	ug/l #	96
11) Tert butyl alcohol	3.197	59	9834	21.170	ug/l	100
12) 1,1-Dichloroethene	2.564	96	3435	3.316	ug/l	95
13) Acrolein	2.477	56	964	14.703	ug/l #	63
14) Allyl chloride	2.908	41	8124	3.294	ug/l	97
15) Acrylonitrile	3.306	53	17929	18.019	ug/l	99
16) Acetone	2.622	43	18509	15.926	ug/l	98
17) Carbon Disulfide	2.776	76	9168	3.702	ug/l #	94
18) Methyl Acetate	2.943	43	8741	2.923	ug/l	99
19) Methyl tert-butyl Ether	3.358	73	12778	2.860	ug/l	98
20) Methylene Chloride	3.030	84	4604	2.717	ug/l	95
21) trans-1,2-Dichloroethene	3.335	96	3839	3.449	ug/l	90
22) Diisopropyl ether	3.991	45	11442	2.725	ug/l #	68
23) Vinyl Acetate	3.956	43	45203	13.874	ug/l	95
24) 1,1-Dichloroethane	3.850	63	6737	2.827	ug/l	96
25) 2-Butanone	4.721	43	20612	15.799	ug/l	93
26) 2,2-Dichloropropane	4.644	77	5422	2.615	ug/l	83
27) cis-1,2-Dichloroethene	4.663	96	4406m	2.999	ug/l	
28) Bromochloromethane	4.966	49	3426	3.061	ug/l #	92
29) Tetrahydrofuran	5.062	42	14627	17.773	ug/l	91
30) Chloroform	5.072	83	7098	2.821	ug/l	99
31) Cyclohexane	5.367	56	8364	4.366	ug/l #	72
32) 1,1,1-Trichloroethane	5.297	97	5980	2.791	ug/l	97
36) 1,1-Dichloropropene	5.515	75	5036	3.216	ug/l	92
37) Ethyl Acetate	4.827	43	8904m	3.511	ug/l	
38) Carbon Tetrachloride	5.506	117	4987	2.890	ug/l	90
39) Methylcyclohexane	6.753	83	5806	3.068	ug/l	98
40) Benzene	5.766	78	13743	2.810	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.991	41	3246	2.712	ug/l #	87
42) 1,2-Dichloroethane	5.795	62	5153	2.802	ug/l	96
43) Isopropyl Acetate	5.924	43	9455	2.807	ug/l #	88
44) Trichloroethene	6.535	130	3662	2.798	ug/l	94
45) 1,2-Dichloropropane	6.782	63	3608	2.654	ug/l	99
46) Dibromomethane	6.917	93	3013	3.115	ug/l #	78
47) Bromodichloromethane	7.094	83	5170	2.570	ug/l	100
48) Methyl methacrylate	6.965	41	4942	3.174	ug/l #	84
49) 1,4-Dioxane	6.972	88	2836	83.002	ug/l	96
51) 4-Methyl-2-Pentanone	7.789	43	44530	18.262	ug/l	95
52) Toluene	7.965	92	9058	2.831	ug/l	98
53) t-1,3-Dichloropropene	8.210	75	4324	2.456	ug/l	98
54) cis-1,3-Dichloropropene	7.602	75	5030	2.553	ug/l #	90
55) 1,1,2-Trichloroethane	8.393	97	3632	2.673	ug/l	93
56) Ethyl methacrylate	8.335	69	5977	2.727	ug/l #	86
57) 1,3-Dichloropropane	8.570	76	6192	2.765	ug/l	96
59) 2-Hexanone	8.682	43	37197	20.169	ug/l	98
60) Dibromochloromethane	8.805	129	3432	2.255	ug/l	93
61) 1,2-Dibromoethane	8.917	107	3411	2.558	ug/l	97
64) Tetrachloroethene	8.544	164	3457	2.627	ug/l	95
65) Chlorobenzene	9.441	112	11037	3.001	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.525	131	3100	2.457	ug/l	86
67) Ethyl Benzene	9.563	91	17695	2.799	ug/l	100
68) m/p-Xylenes	9.689	106	13710	5.683	ug/l	100
69) o-Xylene	10.097	106	6347	2.588	ug/l	92
70) Styrene	10.113	104	10308	2.643	ug/l	95
71) Bromoform	10.284	173	2413	2.195	ug/l #	100
73) Isopropylbenzene	10.477	105	18208	3.016	ug/l	95
74) N-amyl acetate	10.316	43	10075	3.721	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	10.776	83	6618	2.978	ug/l	97
76) 1,2,3-Trichloropropane	10.817	75	6656	2.831	ug/l #	81
77) Bromobenzene	10.782	156	4523	3.056	ug/l	94
78) n-propylbenzene	10.901	91	21479	3.068	ug/l	100
79) 2-Chlorotoluene	10.981	91	12724	2.898	ug/l	94
80) 1,3,5-Trimethylbenzene	11.081	105	14505	2.747	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.541	75	1301m	2.760	ug/l	
82) 4-Chlorotoluene	11.094	91	14512	2.911	ug/l	99
83) tert-Butylbenzene	11.412	119	14830	2.929	ug/l	95
84) 1,2,4-Trimethylbenzene	11.464	105	14988	2.890	ug/l	97
85) sec-Butylbenzene	11.634	105	19539	2.924	ug/l	99
86) p-Isopropyltoluene	11.785	119	16746	3.089	ug/l	99
87) 1,3-Dichlorobenzene	11.740	146	8357	2.931	ug/l	93
88) 1,4-Dichlorobenzene	11.830	146	9784	3.365	ug/l	88
89) n-Butylbenzene	12.203	91	19001	3.787	ug/l	95
90) Hexachloroethane	12.467	117	2270	2.504	ug/l	80
91) 1,2-Dichlorobenzene	12.210	146	8391	3.018	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.997	75	1807	3.433	ug/l	91
93) 1,2,4-Trichlorobenzene	13.840	180	7080	3.976	ug/l	99
94) Hexachlorobutadiene	14.013	225	2097	2.755	ug/l	96
95) Naphthalene	14.087	128	34855	5.976	ug/l	100
96) 1,2,3-Trichlorobenzene	14.325	180	6888	3.936	ug/l	97

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

