

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063475.D
 Acq On : 10 Jul 2025 13:02
 Operator : MD/SY
 Sample : MDL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

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

Quant Time: Jul 11 04:50:26 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

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	114239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	205790	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	190349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	93992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.689	65	77874	53.428	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.860%			
35) Dibromofluoromethane	5.274	113	60737	48.963	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.920%			
50) Toluene-d8	7.885	98	189901	46.964	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.920%			
62) 4-Bromofluorobenzene	10.624	95	83724	47.337	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2522	2.776	ug/l	95
3) Chloromethane	1.518	50	3502	3.165	ug/l	96
4) Vinyl Chloride	1.599	62	3636	2.963	ug/l	97
5) Bromomethane	1.846	94	3686	4.287	ug/l	98
6) Chloroethane	1.923	64	2805	3.155	ug/l	94
7) Trichlorofluoromethane	2.126	101	5404	2.730	ug/l	94
8) Diethyl Ether	2.367	74	2316	2.807	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.566	101	3499	2.988	ug/l	98
10) Methyl Iodide	2.708	142	3069	2.509	ug/l	89
11) Tert butyl alcohol	3.193	59	8332	17.049	ug/l #	93
12) 1,1-Dichloroethene	2.566	96	3346	3.070	ug/l	82
13) Acrolein	2.483	56	1177m	17.063	ug/l	
14) Allyl chloride	2.907	41	8393m	3.235	ug/l	
15) Acrylonitrile	3.306	53	15502	14.809	ug/l	91
16) Acetone	2.621	43	20788	17.002	ug/l	98
17) Carbon Disulfide	2.775	76	9283	3.563	ug/l #	94
18) Methyl Acetate	2.943	43	8338	2.650	ug/l	92
19) Methyl tert-butyl Ether	3.357	73	12677	2.697	ug/l	99
20) Methylene Chloride	3.029	84	6528	3.662	ug/l	85
21) trans-1,2-Dichloroethene	3.328	96	3719	3.176	ug/l	88
22) Diisopropyl ether	3.994	45	12352	2.796	ug/l	96
23) Vinyl Acetate	3.952	43	44739	13.052	ug/l	98
24) 1,1-Dichloroethane	3.846	63	6474	2.582	ug/l	100
25) 2-Butanone	4.718	43	20654	15.048	ug/l	90
26) 2,2-Dichloropropane	4.647	77	5977	2.740	ug/l	94
27) cis-1,2-Dichloroethene	4.656	96	4440	2.873	ug/l	99
28) Bromochloromethane	4.962	49	3492	2.965	ug/l #	98
29) Tetrahydrofuran	5.055	42	14407	16.639	ug/l	91
30) Chloroform	5.074	83	7236	2.734	ug/l	90
31) Cyclohexane	5.364	56	8552	4.243	ug/l #	67
32) 1,1,1-Trichloroethane	5.299	97	6054	2.686	ug/l	96
36) 1,1-Dichloropropene	5.518	75	4974	2.951	ug/l	90
37) Ethyl Acetate	4.824	43	8241m	3.019	ug/l	
38) Carbon Tetrachloride	5.505	117	5016	2.701	ug/l	95
39) Methylcyclohexane	6.750	83	5807	2.851	ug/l #	85
40) Benzene	5.766	78	13861	2.633	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.981	41	3428m	2.661	ug/l	
42) 1,2-Dichloroethane	5.795	62	5751	2.906	ug/l	93
43) Isopropyl Acetate	5.920	43	8713	2.403	ug/l #	93
44) Trichloroethene	6.531	130	3843	2.728	ug/l	86
45) 1,2-Dichloropropane	6.788	63	3876	2.649	ug/l	92
46) Dibromomethane	6.910	93	2969	2.852	ug/l	91
47) Bromodichloromethane	7.097	83	5180	2.393	ug/l #	99
48) Methyl methacrylate	6.968	41	4810	2.870	ug/l #	85
49) 1,4-Dioxane	6.975	88	1944	52.864	ug/l	92
51) 4-Methyl-2-Pentanone	7.785	43	36556	13.930	ug/l	99
52) Toluene	7.962	92	9476	2.752	ug/l	93
53) t-1,3-Dichloropropene	8.209	75	4436	2.342	ug/l #	87
54) cis-1,3-Dichloropropene	7.602	75	5196	2.450	ug/l	98
55) 1,1,2-Trichloroethane	8.393	97	3700	2.530	ug/l #	87
56) Ethyl methacrylate	8.328	69	5270	2.234	ug/l #	82
57) 1,3-Dichloropropane	8.566	76	6425	2.666	ug/l	97
59) 2-Hexanone	8.682	43	29712	14.969	ug/l	98
60) Dibromochloromethane	8.801	129	3796	2.317	ug/l	99
61) 1,2-Dibromoethane	8.920	107	3869	2.696	ug/l	99
64) Tetrachloroethene	8.540	164	3541	2.499	ug/l #	80
65) Chlorobenzene	9.441	112	10863	2.743	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.524	131	3133	2.307	ug/l	78
67) Ethyl Benzene	9.563	91	18135	2.664	ug/l	98
68) m/p-Xylenes	9.688	106	13464	5.183	ug/l	97
69) o-Xylene	10.093	106	6449	2.442	ug/l	89
70) Styrene	10.113	104	10562	2.515	ug/l	97
71) Bromoform	10.283	173	2689	2.272	ug/l #	99
73) Isopropylbenzene	10.476	105	17598	2.752	ug/l	96
74) N-amyl acetate	10.322	43	8118	2.830	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.775	83	6444	2.737	ug/l	96
76) 1,2,3-Trichloropropane	10.820	75	6752m	2.711	ug/l	
77) Bromobenzene	10.775	156	4157	2.652	ug/l #	56
78) n-propylbenzene	10.901	91	20992	2.830	ug/l	96
79) 2-Chlorotoluene	10.981	91	14035	3.017	ug/l	96
80) 1,3,5-Trimethylbenzene	11.081	105	14865	2.657	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.537	75	1309m	2.621	ug/l	
82) 4-Chlorotoluene	11.093	91	14433	2.733	ug/l	94
83) tert-Butylbenzene	11.412	119	14730	2.746	ug/l	97
84) 1,2,4-Trimethylbenzene	11.463	105	14842	2.702	ug/l	93
85) sec-Butylbenzene	11.634	105	19357	2.735	ug/l	99
86) p-Isopropyltoluene	11.785	119	14584	2.540	ug/l	93
87) 1,3-Dichlorobenzene	11.743	146	8313	2.752	ug/l	96
88) 1,4-Dichlorobenzene	11.830	146	9485	3.080	ug/l	94
89) n-Butylbenzene	12.203	91	15441	2.905	ug/l	95
90) Hexachloroethane	12.466	117	2319	2.414	ug/l	93
91) 1,2-Dichlorobenzene	12.209	146	8100	2.750	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.994	75	1538	2.758	ug/l	92
93) 1,2,4-Trichlorobenzene	13.839	180	5732	3.038	ug/l	97
94) Hexachlorobutadiene	14.013	225	2192	2.718	ug/l	96
95) Naphthalene	14.087	128	23894	3.867	ug/l	99
96) 1,2,3-Trichlorobenzene	14.325	180	5878	3.170	ug/l	91

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

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