

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063495.D
 Acq On : 11 Jul 2025 16:18
 Operator : MD/SY
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 03:56:59 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	99863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	182043	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	167879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	85102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	71709	56.281	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.560%			
35) Dibromofluoromethane	5.274	113	56309	51.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	7.888	98	174926	48.904	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.800%			
62) 4-Bromofluorobenzene	10.624	95	80380	51.375	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	1952	2.458	ug/l	96
3) Chloromethane	1.518	50	2445	2.527	ug/l	97
4) Vinyl Chloride	1.599	62	2940	2.741	ug/l	97
5) Bromomethane	1.843	94	2948	3.923	ug/l	95
6) Chloroethane	1.923	64	2324	2.990	ug/l	94
7) Trichlorofluoromethane	2.126	101	4562	2.636	ug/l	92
8) Diethyl Ether	2.370	74	1741	2.414	ug/l	62
9) 1,1,2-Trichlorotrifluo...	2.567	101	2684	2.622	ug/l	98
10) Methyl Iodide	2.711	142	2335	2.184	ug/l #	85
11) Tert butyl alcohol	3.190	59	7879	18.443	ug/l #	88
12) 1,1-Dichloroethene	2.570	96	2589	2.717	ug/l	92
13) Acrolein	2.483	56	1323	21.941	ug/l #	60
14) Allyl chloride	2.907	41	6255	2.758	ug/l #	87
15) Acrylonitrile	3.303	53	14387	15.722	ug/l	97
16) Acetone	2.621	43	14072	13.166	ug/l	97
17) Carbon Disulfide	2.779	76	6751	2.964	ug/l #	94
18) Methyl Acetate	2.939	43	7492	2.724	ug/l	100
19) Methyl tert-butyl Ether	3.361	73	10126	2.464	ug/l	97
20) Methylene Chloride	3.026	84	3812	2.446	ug/l #	94
21) trans-1,2-Dichloroethene	3.335	96	3089	3.018	ug/l	93
22) Diisopropyl ether	3.994	45	10329	2.675	ug/l	97
23) Vinyl Acetate	3.949	43	38758	12.935	ug/l	99
24) 1,1-Dichloroethane	3.843	63	5496	2.508	ug/l #	92
25) 2-Butanone	4.718	43	15601	13.002	ug/l	99
26) 2,2-Dichloropropane	4.647	77	4202	2.204	ug/l	100
27) cis-1,2-Dichloroethene	4.656	96	3577	2.647	ug/l	92
28) Bromochloromethane	4.955	49	3132	3.042	ug/l #	97
29) Tetrahydrofuran	5.062	42	11316	14.951	ug/l	94
30) Chloroform	5.071	83	6037	2.609	ug/l	94
31) Cyclohexane	5.364	56	7079	4.018	ug/l #	71
32) 1,1,1-Trichloroethane	5.296	97	4882	2.478	ug/l	92
36) 1,1-Dichloropropene	5.515	75	4101	2.750	ug/l	88
37) Ethyl Acetate	4.824	43	7648m	3.167	ug/l	
38) Carbon Tetrachloride	5.508	117	4028	2.452	ug/l	96
39) Methylcyclohexane	6.743	83	4381	2.432	ug/l #	87
40) Benzene	5.766	78	11569	2.484	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.981	41	3375m	2.962	ug/l	
42) 1,2-Dichloroethane	5.795	62	4609	2.632	ug/l	85
43) Isopropyl Acetate	5.920	43	8048	2.509	ug/l #	88
44) Trichloroethene	6.531	130	2853	2.289	ug/l	95
45) 1,2-Dichloropropane	6.785	63	2977	2.300	ug/l	92
46) Dibromomethane	6.904	93	2330	2.530	ug/l #	83
47) Bromodichloromethane	7.090	83	4461	2.329	ug/l	88
48) Methyl methacrylate	6.968	41	3913	2.640	ug/l	91
49) 1,4-Dioxane	6.975	88	1833	56.348	ug/l #	88
51) 4-Methyl-2-Pentanone	7.788	43	30944	13.329	ug/l	98
52) Toluene	7.962	92	6996	2.297	ug/l	95
53) t-1,3-Dichloropropene	8.209	75	3370	2.011	ug/l	89
54) cis-1,3-Dichloropropene	7.605	75	3815	2.034	ug/l	95
55) 1,1,2-Trichloroethane	8.389	97	3216	2.486	ug/l #	88
56) Ethyl methacrylate	8.335	69	4575	2.193	ug/l #	90
57) 1,3-Dichloropropane	8.573	76	4658	2.185	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.479	63	136m	6.277	ug/l	
59) 2-Hexanone	8.682	43	22723	12.941	ug/l	99
60) Dibromochloromethane	8.798	129	2857	1.972	ug/l	98
61) 1,2-Dibromoethane	8.917	107	2954	2.327	ug/l	95
64) Tetrachloroethene	8.541	164	3028	2.423	ug/l	91
65) Chlorobenzene	9.438	112	8921	2.554	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.524	131	2586	2.159	ug/l	92
67) Ethyl Benzene	9.563	91	15020	2.502	ug/l	99
68) m/p-Xylenes	9.688	106	11150	4.867	ug/l	97
69) o-Xylene	10.094	106	5257	2.257	ug/l	98
70) Styrene	10.113	104	7776	2.100	ug/l	92
71) Bromoform	10.277	173	1901	1.821	ug/l #	97
73) Isopropylbenzene	10.476	105	14569	2.516	ug/l	95
74) N-amyl acetate	10.322	43	5991	2.307	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.775	83	5144	2.413	ug/l	98
76) 1,2,3-Trichloropropane	10.817	75	5682	2.520	ug/l #	81
77) Bromobenzene	10.775	156	3047	2.147	ug/l	70
78) n-propylbenzene	10.897	91	16716	2.489	ug/l	98
79) 2-Chlorotoluene	10.981	91	10193	2.420	ug/l	98
80) 1,3,5-Trimethylbenzene	11.081	105	11600	2.290	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.540	75	873m	1.931	ug/l	
82) 4-Chlorotoluene	11.093	91	12271	2.566	ug/l	97
83) tert-Butylbenzene	11.412	119	11872	2.444	ug/l	99
84) 1,2,4-Trimethylbenzene	11.463	105	11350	2.282	ug/l	100
85) sec-Butylbenzene	11.637	105	15010	2.342	ug/l	100
86) p-Isopropyltoluene	11.785	119	11850	2.279	ug/l	94
87) 1,3-Dichlorobenzene	11.740	146	6901	2.523	ug/l	91
88) 1,4-Dichlorobenzene	11.827	146	7405	2.655	ug/l	88
89) n-Butylbenzene	12.206	91	12279	2.551	ug/l	96
90) Hexachloroethane	12.466	117	1742	2.003	ug/l	88
91) 1,2-Dichlorobenzene	12.212	146	6636	2.488	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.991	75	1509	2.989	ug/l	69
93) 1,2,4-Trichlorobenzene	13.839	180	4041	2.366	ug/l	97
94) Hexachlorobutadiene	14.013	225	1799	2.464	ug/l	88
95) Naphthalene	14.090	128	15481	2.767	ug/l	98
96) 1,2,3-Trichlorobenzene	14.325	180	4251	2.532	ug/l	96

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

