

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063507.D
 Acq On : 14 Jul 2025 14:37
 Operator : MD/SY
 Sample : MDL06
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

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

Quant Time: Jul 15 01:36:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 15 01:29:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	94776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.242	114	172684	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.412	117	160710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.807	152	79560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	68867	56.951	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.900%			
35) Dibromofluoromethane	5.280	113	53556	51.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.900%			
50) Toluene-d8	7.891	98	167400	49.336	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.680%			
62) 4-Bromofluorobenzene	10.627	95	73916	49.804	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	428	0.568	ug/l	94
3) Chloromethane	1.518	50	803	0.875	ug/l	95
4) Vinyl Chloride	1.599	62	640	0.629	ug/l #	69
5) Bromomethane	1.850	94	970	1.360	ug/l	96
6) Chloroethane	1.924	64	855	1.159	ug/l #	84
7) Trichlorofluoromethane	2.133	101	1008	0.614	ug/l	90
8) Diethyl Ether	2.370	74	344	0.503	ug/l	59
9) 1,1,2-Trichlorotrifluo...	2.570	101	536	0.552	ug/l	96
10) Methyl Iodide	2.718	142	709	0.699	ug/l #	78
11) Tert butyl alcohol	3.197	59	1847m	4.556	ug/l	
12) 1,1-Dichloroethene	2.579	96	607m	0.671	ug/l	
13) Acrolein	2.477	56	285m	4.980	ug/l	
14) Allyl chloride	2.914	41	1385m	0.643	ug/l	
15) Acrylonitrile	3.309	53	2775	3.195	ug/l #	87
16) Acetone	2.624	43	3906m	3.851	ug/l	
17) Carbon Disulfide	2.779	76	1793	0.829	ug/l	97
18) Methyl Acetate	2.946	43	1428	0.547	ug/l	98
19) Methyl tert-butyl Ether	3.354	73	2054m	0.527	ug/l	
20) Methylene Chloride	3.026	84	1206	0.815	ug/l #	71
21) trans-1,2-Dichloroethene	3.335	96	630	0.649	ug/l #	74
22) Diisopropyl ether	3.994	45	1864	0.509	ug/l #	24
23) Vinyl Acetate	3.965	43	7772m	2.733	ug/l	
24) 1,1-Dichloroethane	3.856	63	1168m	0.562	ug/l	
25) 2-Butanone	4.763	43	2955m	2.595	ug/l	
26) 2,2-Dichloropropane	4.657	77	800m	0.442	ug/l	
27) cis-1,2-Dichloroethene	4.663	96	783m	0.611	ug/l	
28) Bromochloromethane	4.978	49	445m	0.455	ug/l	
29) Tetrahydrofuran	5.075	42	2154m	2.999	ug/l	
30) Chloroform	5.078	83	1242	0.566	ug/l	93
31) Cyclohexane	5.370	56	3434	2.054	ug/l #	44
32) 1,1,1-Trichloroethane	5.309	97	974	0.521	ug/l #	41
36) 1,1-Dichloropropene	5.512	75	822	0.581	ug/l #	62
37) Ethyl Acetate	4.859	43	1492m	0.651	ug/l	
38) Carbon Tetrachloride	5.512	117	821	0.527	ug/l #	79
39) Methylcyclohexane	6.746	83	910	0.532	ug/l #	84
40) Benzene	5.769	78	2528	0.572	ug/l #	68

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.039	41	488m	0.452	ug/l	
42) 1,2-Dichloroethane	5.801	62	1091m	0.657	ug/l	
43) Isopropyl Acetate	5.949	43	1751m	0.576	ug/l	
44) Trichloroethene	6.537	130	703	0.595	ug/l	58
45) 1,2-Dichloropropane	6.792	63	592	0.482	ug/l #	82
46) Dibromomethane	6.917	93	459	0.525	ug/l #	69
47) Bromodichloromethane	7.097	83	974	0.536	ug/l #	92
48) Methyl methacrylate	6.991	41	753	0.535	ug/l #	49
49) 1,4-Dioxane	6.988	88	49m	1.588	ug/l	
51) 4-Methyl-2-Pentanone	7.795	43	6355	2.886	ug/l	88
52) Toluene	7.965	92	1583	0.548	ug/l	87
53) t-1,3-Dichloropropene	8.213	75	523	0.329	ug/l #	44
54) cis-1,3-Dichloropropene	7.608	75	683m	0.384	ug/l	
55) 1,1,2-Trichloroethane	8.402	97	560	0.456	ug/l #	80
56) Ethyl methacrylate	8.348	69	884	0.447	ug/l #	93
57) 1,3-Dichloropropane	8.576	76	1007	0.498	ug/l	100
59) 2-Hexanone	8.701	43	5836	3.504	ug/l	83
60) Dibromochloromethane	8.798	129	467	0.340	ug/l	91
61) 1,2-Dibromoethane	8.930	107	387	0.321	ug/l #	35
64) Tetrachloroethene	8.547	164	543	0.454	ug/l	87
65) Chlorobenzene	9.441	112	2068	0.618	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.528	131	435	0.379	ug/l #	50
67) Ethyl Benzene	9.566	91	3113	0.542	ug/l #	88
68) m/p-Xylenes	9.695	106	2229	1.016	ug/l	87
69) o-Xylene	10.097	106	928	0.416	ug/l	71
70) Styrene	10.123	104	1731	0.488	ug/l #	82
71) Bromoform	10.287	173	296	0.296	ug/l #	50
73) Isopropylbenzene	10.479	105	2835	0.524	ug/l	99
74) N-amyl acetate	10.341	43	1688m	0.695	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.775	83	904	0.454	ug/l #	96
76) 1,2,3-Trichloropropane	10.820	75	1306	0.619	ug/l #	63
77) Bromobenzene	10.785	156	688	0.518	ug/l	86
78) n-propylbenzene	10.904	91	3266	0.520	ug/l	96
79) 2-Chlorotoluene	10.981	91	2720	0.691	ug/l	83
80) 1,3,5-Trimethylbenzene	11.087	105	2481	0.524	ug/l	94
82) 4-Chlorotoluene	11.103	91	2902	0.649	ug/l	88
83) tert-Butylbenzene	11.415	119	2180	0.480	ug/l	86
84) 1,2,4-Trimethylbenzene	11.473	105	2301	0.495	ug/l	97
85) sec-Butylbenzene	11.637	105	3338	0.557	ug/l	99
86) p-Isopropyltoluene	11.791	119	2681	0.552	ug/l #	83
87) 1,3-Dichlorobenzene	11.749	146	1689	0.661	ug/l	93
88) 1,4-Dichlorobenzene	11.833	146	2007m	0.770	ug/l	
89) n-Butylbenzene	12.209	91	2980	0.662	ug/l	95
90) Hexachloroethane	12.470	117	324	0.399	ug/l #	32
91) 1,2-Dichlorobenzene	12.213	146	1585	0.636	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	13.003	75	143m	0.303	ug/l	
93) 1,2,4-Trichlorobenzene	13.849	180	1257m	0.787	ug/l	
94) Hexachlorobutadiene	14.010	225	447	0.655	ug/l #	52
95) Naphthalene	14.100	128	6428	1.229	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.338	180	1039	0.662	ug/l #	20

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