

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063508.D
 Acq On : 14 Jul 2025 15:01
 Operator : MD/SY
 Sample : MDL07
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

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

Quant Time: Jul 15 01:37:06 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	94132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	172437	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	158369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	82587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	68521	57.053	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.100%			
35) Dibromofluoromethane	5.277	113	54162	52.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.220%			
50) Toluene-d8	7.888	98	166648	49.185	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.380%			
62) 4-Bromofluorobenzene	10.624	95	75808	51.152	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	402m	0.537	ug/l	
3) Chloromethane	1.518	50	641	0.703	ug/l	97
4) Vinyl Chloride	1.599	62	711	0.703	ug/l	96
5) Bromomethane	1.846	94	929	1.311	ug/l	95
6) Chloroethane	1.927	64	829	1.132	ug/l	90
7) Trichlorofluoromethane	2.126	101	921	0.565	ug/l #	81
8) Diethyl Ether	2.370	74	513	0.755	ug/l	58
9) 1,1,2-Trichlorotrifluo...	2.567	101	521	0.540	ug/l	88
10) Methyl Iodide	2.708	142	558	0.554	ug/l #	89
11) Tert butyl alcohol	3.190	59	1719m	4.269	ug/l	
12) 1,1-Dichloroethene	2.570	96	494	0.550	ug/l	97
13) Acrolein	2.483	56	483	8.498	ug/l #	72
14) Allyl chloride	2.914	41	959	0.449	ug/l #	80
15) Acrylonitrile	3.306	53	2789	3.233	ug/l	92
16) Acetone	2.621	43	2928	2.906	ug/l	91
17) Carbon Disulfide	2.776	76	1661	0.774	ug/l #	72
18) Methyl Acetate	2.943	43	1827	0.705	ug/l #	67
19) Methyl tert-butyl Ether	3.364	73	2032	0.525	ug/l #	61
20) Methylene Chloride	3.033	84	1177	0.801	ug/l #	86
21) trans-1,2-Dichloroethene	3.332	96	675m	0.700	ug/l	
22) Diisopropyl ether	3.988	45	1747	0.480	ug/l #	12
23) Vinyl Acetate	3.969	43	7044	2.494	ug/l #	91
24) 1,1-Dichloroethane	3.853	63	1173m	0.568	ug/l	
25) 2-Butanone	4.769	43	2478	2.191	ug/l #	83
26) 2,2-Dichloropropane	4.657	77	763m	0.425	ug/l	
27) cis-1,2-Dichloroethene	4.663	96	727	0.571	ug/l	71
28) Bromochloromethane	4.968	49	490	0.505	ug/l #	30
29) Tetrahydrofuran	5.075	42	1836	2.573	ug/l #	78
30) Chloroform	5.081	83	1240	0.569	ug/l	97
31) Cyclohexane	5.364	56	3638	2.191	ug/l #	41
32) 1,1,1-Trichloroethane	5.300	97	596	0.321	ug/l #	49
36) 1,1-Dichloropropene	5.521	75	922m	0.653	ug/l	
37) Ethyl Acetate	4.866	43	1470m	0.643	ug/l	
38) Carbon Tetrachloride	5.502	117	822m	0.528	ug/l	
39) Methylcyclohexane	6.740	83	908m	0.532	ug/l	
40) Benzene	5.772	78	2252	0.511	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.013	41	556m	0.515	ug/l	
42) 1,2-Dichloroethane	5.798	62	796m	0.480	ug/l	
43) Isopropyl Acetate	5.946	43	1942m	0.639	ug/l	
44) Trichloroethene	6.531	130	535	0.453	ug/l	91
45) 1,2-Dichloropropane	6.785	63	557m	0.454	ug/l	
46) Dibromomethane	6.917	93	468	0.536	ug/l #	29
47) Bromodichloromethane	7.103	83	692	0.381	ug/l #	65
48) Methyl methacrylate	6.984	41	1090m	0.776	ug/l	
49) 1,4-Dioxane	6.981	88	97m	3.148	ug/l	
51) 4-Methyl-2-Pentanone	7.795	43	6087	2.768	ug/l	93
52) Toluene	7.965	92	1628	0.564	ug/l	89
53) t-1,3-Dichloropropene	8.213	75	704	0.443	ug/l #	83
54) cis-1,3-Dichloropropene	7.605	75	676	0.380	ug/l #	41
55) 1,1,2-Trichloroethane	8.399	97	556	0.454	ug/l #	84
56) Ethyl methacrylate	8.341	69	742	0.375	ug/l #	77
57) 1,3-Dichloropropane	8.570	76	913	0.452	ug/l	100
59) 2-Hexanone	8.695	43	5199	3.126	ug/l	79
60) Dibromochloromethane	8.804	129	545	0.397	ug/l	87
61) 1,2-Dibromoethane	8.920	107	638	0.531	ug/l #	80
64) Tetrachloroethene	8.541	164	630	0.534	ug/l #	82
65) Chlorobenzene	9.441	112	1787	0.542	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.528	131	408	0.361	ug/l #	49
67) Ethyl Benzene	9.566	91	2976	0.526	ug/l	98
68) m/p-Xylenes	9.689	106	2195	1.016	ug/l	95
69) o-Xylene	10.097	106	1083	0.493	ug/l	87
70) Styrene	10.123	104	1606	0.460	ug/l #	88
71) Bromoform	10.283	173	340m	0.345	ug/l	
73) Isopropylbenzene	10.476	105	2612	0.465	ug/l	96
74) N-amyl acetate	10.338	43	1655m	0.657	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.779	83	1033	0.499	ug/l #	80
76) 1,2,3-Trichloropropane	10.824	75	1008m	0.461	ug/l	
77) Bromobenzene	10.775	156	621	0.451	ug/l #	53
78) n-propylbenzene	10.904	91	3561	0.546	ug/l	97
79) 2-Chlorotoluene	10.981	91	2135	0.522	ug/l	87
80) 1,3,5-Trimethylbenzene	11.081	105	2246	0.457	ug/l	88
81) trans-1,4-Dichloro-2-b...	10.550	75	93m	0.212	ug/l	
82) 4-Chlorotoluene	11.103	91	2562	0.552	ug/l	90
83) tert-Butylbenzene	11.412	119	2224	0.472	ug/l	91
84) 1,2,4-Trimethylbenzene	11.467	105	2266	0.469	ug/l	99
85) sec-Butylbenzene	11.637	105	3067	0.493	ug/l	97
86) p-Isopropyltoluene	11.788	119	2459	0.487	ug/l	89
87) 1,3-Dichlorobenzene	11.750	146	1462	0.551	ug/l	97
88) 1,4-Dichlorobenzene	11.830	146	1851m	0.684	ug/l	
89) n-Butylbenzene	12.209	91	2927	0.627	ug/l	83
90) Hexachloroethane	12.470	117	228m	0.270	ug/l	
91) 1,2-Dichlorobenzene	12.213	146	1134	0.438	ug/l	82
92) 1,2-Dibromo-3-Chloropr...	13.007	75	125	0.255	ug/l #	52
93) 1,2,4-Trichlorobenzene	13.849	180	1014	0.612	ug/l	90
94) Hexachlorobutadiene	14.016	225	215	0.303	ug/l	90
95) Naphthalene	14.106	128	5546	1.022	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.328	180	1072	0.658	ug/l #	88

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

