

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063506.D
 Acq On : 14 Jul 2025 13:51
 Operator : MD/SY
 Sample : MDL07
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 10 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 01:35:12 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	97085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	173348	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	161768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	83545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	66288	53.515	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.020%			
35) Dibromofluoromethane	5.277	113	51711	49.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	7.888	98	163386	47.969	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.940%			
62) 4-Bromofluorobenzene	10.624	95	73785	49.525	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2002	2.593	ug/l	98
3) Chloromethane	1.518	50	2869	3.051	ug/l	91
4) Vinyl Chloride	1.599	62	2994	2.871	ug/l	99
5) Bromomethane	1.846	94	3199	4.378	ug/l	98
6) Chloroethane	1.923	64	2520	3.335	ug/l	91
7) Trichlorofluoromethane	2.129	101	4749	2.823	ug/l	96
8) Diethyl Ether	2.374	74	1981	2.826	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.567	101	2950	2.965	ug/l	95
10) Methyl Iodide	2.708	142	2489	2.395	ug/l	95
11) Tert butyl alcohol	3.203	59	7633	18.379	ug/l	97
12) 1,1-Dichloroethene	2.567	96	3061	3.305	ug/l	94
13) Acrolein	2.486	56	786	13.408	ug/l	92
14) Allyl chloride	2.907	41	6647	3.015	ug/l	95
15) Acrylonitrile	3.309	53	15592	17.527	ug/l	96
16) Acetone	2.624	43	15078	14.511	ug/l	96
17) Carbon Disulfide	2.772	76	7013	3.167	ug/l #	84
18) Methyl Acetate	2.946	43	8382	3.135	ug/l	98
19) Methyl tert-butyl Ether	3.361	73	12045	3.015	ug/l	93
20) Methylene Chloride	3.026	84	4053	2.675	ug/l	95
21) trans-1,2-Dichloroethene	3.332	96	3174	3.190	ug/l	98
22) Diisopropyl ether	3.988	45	10335	2.753	ug/l #	55
23) Vinyl Acetate	3.956	43	39969	13.721	ug/l	98
24) 1,1-Dichloroethane	3.849	63	5817	2.730	ug/l #	93
25) 2-Butanone	4.727	43	17056	14.622	ug/l	100
26) 2,2-Dichloropropane	4.644	77	4661	2.514	ug/l #	71
27) cis-1,2-Dichloroethene	4.660	96	3495	2.661	ug/l	92
28) Bromochloromethane	4.962	49	3105	3.102	ug/l #	96
29) Tetrahydrofuran	5.065	42	11579	15.736	ug/l	95
30) Chloroform	5.078	83	6206	2.759	ug/l	96
31) Cyclohexane	5.364	56	7493	4.375	ug/l #	65
32) 1,1,1-Trichloroethane	5.300	97	5062	2.643	ug/l #	81
36) 1,1-Dichloropropene	5.518	75	3921	2.762	ug/l	93
37) Ethyl Acetate	4.833	43	6332m	2.754	ug/l	
38) Carbon Tetrachloride	5.509	117	4155	2.656	ug/l	95
39) Methylcyclohexane	6.746	83	5574	3.249	ug/l #	92
40) Benzene	5.766	78	12128	2.735	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.988	41	2936m	2.706	ug/l	
42) 1,2-Dichloroethane	5.788	62	5097	3.057	ug/l	96
43) Isopropyl Acetate	5.926	43	8558	2.802	ug/l #	94
44) Trichloroethene	6.534	130	2789	2.350	ug/l	75
45) 1,2-Dichloropropane	6.782	63	3240	2.628	ug/l	90
46) Dibromomethane	6.914	93	2499	2.849	ug/l	95
47) Bromodichloromethane	7.097	83	4234	2.322	ug/l	94
48) Methyl methacrylate	6.975	41	3987m	2.824	ug/l	
49) 1,4-Dioxane	6.978	88	1881m	60.724	ug/l	
51) 4-Methyl-2-Pentanone	7.788	43	34127	15.438	ug/l	95
52) Toluene	7.962	92	8084	2.787	ug/l	93
53) t-1,3-Dichloropropene	8.209	75	3374	2.114	ug/l	97
54) cis-1,3-Dichloropropene	7.602	75	4170	2.334	ug/l	92
55) 1,1,2-Trichloroethane	8.389	97	3298	2.678	ug/l	92
56) Ethyl methacrylate	8.335	69	4544	2.287	ug/l #	83
57) 1,3-Dichloropropane	8.569	76	5467	2.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.467	63	40m	1.939	ug/l	
59) 2-Hexanone	8.685	43	24753	14.804	ug/l	100
60) Dibromochloromethane	8.801	129	3053	2.213	ug/l	96
61) 1,2-Dibromoethane	8.920	107	3229	2.671	ug/l	99
64) Tetrachloroethene	8.541	164	3034	2.519	ug/l	95
65) Chlorobenzene	9.441	112	9085	2.699	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.528	131	2637	2.285	ug/l	94
67) Ethyl Benzene	9.566	91	15587	2.695	ug/l	95
68) m/p-Xylenes	9.685	106	12007	5.439	ug/l	96
69) o-Xylene	10.094	106	5865	2.613	ug/l	98
70) Styrene	10.113	104	9329	2.614	ug/l	98
71) Bromoform	10.283	173	1961	1.949	ug/l #	94
73) Isopropylbenzene	10.476	105	14917	2.624	ug/l	99
74) N-amyl acetate	10.322	43	6635	2.603	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	10.772	83	5551	2.653	ug/l	97
76) 1,2,3-Trichloropropane	10.814	75	6389	2.886	ug/l #	81
77) Bromobenzene	10.778	156	3462	2.484	ug/l #	54
78) n-propylbenzene	10.901	91	18753	2.845	ug/l	96
79) 2-Chlorotoluene	10.981	91	10795	2.611	ug/l	98
80) 1,3,5-Trimethylbenzene	11.081	105	12157	2.445	ug/l	95
81) trans-1,4-Dichloro-2-b...	10.544	75	939m	2.115	ug/l	
82) 4-Chlorotoluene	11.094	91	13383	2.851	ug/l	99
83) tert-Butylbenzene	11.412	119	12462	2.614	ug/l	95
84) 1,2,4-Trimethylbenzene	11.463	105	12624	2.586	ug/l	97
85) sec-Butylbenzene	11.637	105	15733	2.500	ug/l	97
86) p-Isopropyltoluene	11.785	119	13334	2.612	ug/l	96
87) 1,3-Dichlorobenzene	11.740	146	7246	2.699	ug/l	99
88) 1,4-Dichlorobenzene	11.833	146	8483	3.099	ug/l	90
89) n-Butylbenzene	12.206	91	12666	2.681	ug/l	97
90) Hexachloroethane	12.466	117	1731	2.028	ug/l	96
91) 1,2-Dichlorobenzene	12.209	146	7183	2.743	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.991	75	1495	3.017	ug/l	78
93) 1,2,4-Trichlorobenzene	13.839	180	4916	2.932	ug/l	92
94) Hexachlorobutadiene	14.013	225	1794	2.503	ug/l	94
95) Naphthalene	14.090	128	17695	3.222	ug/l	96
96) 1,2,3-Trichlorobenzene	14.328	180	4415	2.679	ug/l	98

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

