

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063480.D
 Acq On : 10 Jul 2025 14:59
 Operator : MD/SY
 Sample : MDL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

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

Quant Time: Jul 11 04:55:05 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	112286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	200064	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	183925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	96820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	72616	50.687	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.380%			
35) Dibromofluoromethane	5.277	113	57002	47.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.540%			
50) Toluene-d8	7.888	98	180017	45.794	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.580%#			
62) 4-Bromofluorobenzene	10.624	95	81659	47.491	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	421	0.471	ug/l	89
3) Chloromethane	1.522	50	846	0.778	ug/l	91
4) Vinyl Chloride	1.599	62	735	0.609	ug/l	94
5) Bromomethane	1.846	94	862	1.020	ug/l	92
6) Chloroethane	1.923	64	1083	1.239	ug/l #	66
7) Trichlorofluoromethane	2.132	101	1071	0.550	ug/l #	71
8) Diethyl Ether	2.370	74	436	0.538	ug/l	60
9) 1,1,2-Trichlorotrifluo...	2.563	101	479	0.416	ug/l #	73
10) Methyl Iodide	2.714	142	758	0.631	ug/l #	88
11) Tert butyl alcohol	3.190	59	2588	5.388	ug/l	100
12) 1,1-Dichloroethene	2.563	96	932	0.870	ug/l #	77
13) Acrolein	2.502	56	232m	3.422	ug/l	
14) Allyl chloride	2.904	41	3814m	1.496	ug/l	
15) Acrylonitrile	3.312	53	3440	3.343	ug/l	90
16) Acetone	2.621	43	5511	4.586	ug/l	93
17) Carbon Disulfide	2.782	76	2176	0.850	ug/l #	87
18) Methyl Acetate	2.952	43	2306m	0.746	ug/l	
19) Methyl tert-butyl Ether	3.357	73	2341	0.507	ug/l	97
20) Methylene Chloride	3.029	84	2679	1.529	ug/l #	85
21) trans-1,2-Dichloroethene	3.341	96	1098	0.954	ug/l #	78
22) Diisopropyl ether	3.994	45	2658	0.612	ug/l #	60
23) Vinyl Acetate	3.968	43	7763	2.304	ug/l #	94
24) 1,1-Dichloroethane	3.849	63	1353m	0.549	ug/l	
25) 2-Butanone	4.759	43	7933m	5.880	ug/l	
26) 2,2-Dichloropropane	4.640	77	1293	0.603	ug/l #	73
27) cis-1,2-Dichloroethene	4.663	96	936	0.616	ug/l	79
28) Bromochloromethane	4.972	49	765	0.661	ug/l #	79
29) Tetrahydrofuran	5.068	42	2816	3.309	ug/l #	76
30) Chloroform	5.078	83	1264	0.486	ug/l	84
31) Cyclohexane	5.354	56	4392	2.217	ug/l #	55
32) 1,1,1-Trichloroethane	5.300	97	1212	0.547	ug/l #	42
36) 1,1-Dichloropropene	5.531	75	1401m	0.855	ug/l	
37) Ethyl Acetate	4.849	43	1986m	0.748	ug/l	
38) Carbon Tetrachloride	5.492	117	1070m	0.593	ug/l	
39) Methylcyclohexane	6.750	83	1187	0.600	ug/l #	85
40) Benzene	5.769	78	2741	0.536	ug/l #	90

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.994	41	826m	0.660	ug/l	
42) 1,2-Dichloroethane	5.798	62	1168m	0.607	ug/l	
43) Isopropyl Acetate	5.939	43	2778m	0.788	ug/l	
44) Trichloroethene	6.537	130	649	0.474	ug/l	42
45) 1,2-Dichloropropane	6.785	63	771	0.542	ug/l	92
46) Dibromomethane	6.914	93	465	0.459	ug/l #	79
47) Bromodichloromethane	7.097	83	1067	0.507	ug/l #	73
48) Methyl methacrylate	6.975	41	1125m	0.691	ug/l	
49) 1,4-Dioxane	6.981	88	429	12.000	ug/l #	37
51) 4-Methyl-2-Pentanone	7.795	43	8214	3.220	ug/l	90
52) Toluene	7.962	92	1772	0.529	ug/l	94
53) t-1,3-Dichloropropene	8.213	75	781	0.424	ug/l	97
54) cis-1,3-Dichloropropene	7.608	75	850	0.412	ug/l #	58
55) 1,1,2-Trichloroethane	8.396	97	520	0.366	ug/l	93
56) Ethyl methacrylate	8.335	69	936	0.408	ug/l #	84
57) 1,3-Dichloropropane	8.569	76	1162	0.496	ug/l #	87
59) 2-Hexanone	8.692	43	5795	3.003	ug/l	99
60) Dibromochloromethane	8.804	129	725	0.455	ug/l	97
61) 1,2-Dibromoethane	8.920	107	632	0.453	ug/l	94
64) Tetrachloroethene	8.544	164	639	0.467	ug/l #	87
65) Chlorobenzene	9.441	112	2176	0.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.524	131	578	0.440	ug/l #	53
67) Ethyl Benzene	9.560	91	3763	0.572	ug/l	93
68) m/p-Xylenes	9.695	106	2649	1.055	ug/l	86
69) o-Xylene	10.097	106	1284	0.503	ug/l	97
70) Styrene	10.119	104	1752	0.432	ug/l	98
71) Bromoform	10.286	173	510	0.446	ug/l #	72
73) Isopropylbenzene	10.479	105	3323	0.504	ug/l	97
74) N-amyl acetate	10.331	43	2626m	0.889	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.778	83	1308	0.539	ug/l #	87
76) 1,2,3-Trichloropropane	10.820	75	1623m	0.633	ug/l	
77) Bromobenzene	10.778	156	790	0.489	ug/l	72
78) n-propylbenzene	10.904	91	4646	0.608	ug/l	98
79) 2-Chlorotoluene	10.981	91	2939	0.613	ug/l	97
80) 1,3,5-Trimethylbenzene	11.084	105	2961	0.514	ug/l	94
82) 4-Chlorotoluene	11.100	91	2989	0.549	ug/l	100
83) tert-Butylbenzene	11.412	119	2763	0.500	ug/l	78
84) 1,2,4-Trimethylbenzene	11.473	105	2732	0.483	ug/l	97
85) sec-Butylbenzene	11.637	105	3919	0.537	ug/l	96
86) p-Isopropyltoluene	11.788	119	3144	0.531	ug/l #	85
87) 1,3-Dichlorobenzene	11.749	146	1877	0.603	ug/l	92
88) 1,4-Dichlorobenzene	11.830	146	2274m	0.717	ug/l	
89) n-Butylbenzene	12.209	91	3524	0.644	ug/l	92
90) Hexachloroethane	12.470	117	406	0.410	ug/l #	48
91) 1,2-Dichlorobenzene	12.219	146	1826	0.602	ug/l #	83
92) 1,2-Dibromo-3-Chloropr...	12.997	75	266	0.463	ug/l #	64
93) 1,2,4-Trichlorobenzene	13.849	180	1230	0.633	ug/l	85
94) Hexachlorobutadiene	14.013	225	506	0.609	ug/l #	61
95) Naphthalene	14.109	128	5836	0.917	ug/l #	79
96) 1,2,3-Trichlorobenzene	14.335	180	1411	0.739	ug/l	74

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