

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063476.D
 Acq On : 10 Jul 2025 13:23
 Operator : MD/SY
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Quant Time: Jul 11 04:51:28 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	110495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	203495	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	187563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	96939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	75246	53.374	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.740%			
35) Dibromofluoromethane	5.277	113	59958	48.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.760%			
50) Toluene-d8	7.885	98	188002	47.019	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.040%			
62) 4-Bromofluorobenzene	10.624	95	83792	47.910	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2398	2.729	ug/l	93
3) Chloromethane	1.518	50	3832	3.580	ug/l	97
4) Vinyl Chloride	1.599	62	3578	3.015	ug/l	95
5) Bromomethane	1.846	94	3495	4.203	ug/l	94
6) Chloroethane	1.924	64	3026	3.519	ug/l	94
7) Trichlorofluoromethane	2.126	101	5731	2.993	ug/l	97
8) Diethyl Ether	2.370	74	2441	3.059	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.563	101	3377	2.982	ug/l	93
10) Methyl Iodide	2.708	142	3092	2.614	ug/l	95
11) Tert butyl alcohol	3.190	59	8686	18.376	ug/l #	91
12) 1,1-Dichloroethene	2.570	96	3735	3.543	ug/l	96
13) Acrolein	2.480	56	1028	15.408	ug/l #	67
14) Allyl chloride	2.907	41	6744	2.688	ug/l #	84
15) Acrylonitrile	3.306	53	17201	16.989	ug/l	98
16) Acetone	2.618	43	19607	16.579	ug/l	99
17) Carbon Disulfide	2.776	76	8770	3.480	ug/l	99
18) Methyl Acetate	2.940	43	8512	2.797	ug/l	95
19) Methyl tert-butyl Ether	3.361	73	13012	2.862	ug/l	91
20) Methylene Chloride	3.026	84	6024	3.493	ug/l	95
21) trans-1,2-Dichloroethene	3.332	96	4023	3.552	ug/l	98
22) Diisopropyl ether	3.994	45	12223	2.861	ug/l #	78
23) Vinyl Acetate	3.952	43	48086	14.504	ug/l	99
24) 1,1-Dichloroethane	3.846	63	6691	2.759	ug/l	96
25) 2-Butanone	4.718	43	18990	14.304	ug/l	96
26) 2,2-Dichloropropane	4.644	77	5443	2.580	ug/l	95
27) cis-1,2-Dichloroethene	4.647	96	4226	2.827	ug/l	95
28) Bromochloromethane	4.962	49	3506	3.078	ug/l #	97
29) Tetrahydrofuran	5.058	42	12653	15.109	ug/l	99
30) Chloroform	5.074	83	7167	2.799	ug/l	92
31) Cyclohexane	5.364	56	8391	4.304	ug/l #	76
32) 1,1,1-Trichloroethane	5.296	97	6051	2.776	ug/l	91
36) 1,1-Dichloropropene	5.518	75	4971	2.982	ug/l	95
37) Ethyl Acetate	4.820	43	7713m	2.857	ug/l	
38) Carbon Tetrachloride	5.505	117	4865	2.649	ug/l	97
39) Methylcyclohexane	6.746	83	6061	3.010	ug/l	97
40) Benzene	5.766	78	14347	2.756	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.984	41	3037m	2.384	ug/l	
42) 1,2-Dichloroethane	5.785	62	5584	2.853	ug/l	91
43) Isopropyl Acetate	5.920	43	8558	2.387	ug/l #	75
44) Trichloroethene	6.534	130	3508	2.518	ug/l	85
45) 1,2-Dichloropropane	6.779	63	3858	2.666	ug/l	97
46) Dibromomethane	6.910	93	2886	2.803	ug/l	98
47) Bromodichloromethane	7.097	83	5342	2.495	ug/l #	96
48) Methyl methacrylate	6.968	41	4177	2.521	ug/l #	92
49) 1,4-Dioxane	6.978	88	2006	55.166	ug/l #	63
51) 4-Methyl-2-Pentanone	7.785	43	38823	14.960	ug/l	97
52) Toluene	7.962	92	8643	2.539	ug/l	97
53) t-1,3-Dichloropropene	8.209	75	3882	2.072	ug/l	89
54) cis-1,3-Dichloropropene	7.602	75	4764	2.272	ug/l	92
55) 1,1,2-Trichloroethane	8.393	97	3615	2.500	ug/l #	91
56) Ethyl methacrylate	8.332	69	5157	2.211	ug/l #	79
57) 1,3-Dichloropropane	8.570	76	6027	2.529	ug/l	98
59) 2-Hexanone	8.682	43	28309	14.423	ug/l	99
60) Dibromochloromethane	8.801	129	3668	2.265	ug/l	98
61) 1,2-Dibromoethane	8.917	107	3787	2.669	ug/l	97
64) Tetrachloroethene	8.547	164	3854	2.760	ug/l	96
65) Chlorobenzene	9.441	112	10933	2.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.528	131	3459	2.585	ug/l	89
67) Ethyl Benzene	9.563	91	18400	2.744	ug/l	96
68) m/p-Xylenes	9.685	106	13435	5.249	ug/l	94
69) o-Xylene	10.094	106	6712	2.579	ug/l	95
70) Styrene	10.110	104	10907	2.636	ug/l	98
71) Bromoform	10.283	173	2354	2.018	ug/l #	98
73) Isopropylbenzene	10.476	105	17926	2.718	ug/l	100
74) N-amyl acetate	10.319	43	7710	2.606	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	10.772	83	7019	2.891	ug/l	91
76) 1,2,3-Trichloropropane	10.814	75	6407	2.494	ug/l #	81
77) Bromobenzene	10.775	156	4264	2.637	ug/l	59
78) n-propylbenzene	10.897	91	20889	2.731	ug/l	97
79) 2-Chlorotoluene	10.978	91	13209	2.753	ug/l	97
80) 1,3,5-Trimethylbenzene	11.081	105	15131	2.623	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.537	75	1214m	2.357	ug/l	
82) 4-Chlorotoluene	11.094	91	15245	2.799	ug/l	96
83) tert-Butylbenzene	11.409	119	14234	2.573	ug/l	90
84) 1,2,4-Trimethylbenzene	11.463	105	14675	2.590	ug/l	98
85) sec-Butylbenzene	11.634	105	18907	2.590	ug/l	99
86) p-Isopropyltoluene	11.785	119	15490	2.615	ug/l	94
87) 1,3-Dichlorobenzene	11.740	146	8529	2.737	ug/l	99
88) 1,4-Dichlorobenzene	11.827	146	8251	2.597	ug/l	79
89) n-Butylbenzene	12.203	91	15785	2.880	ug/l	95
90) Hexachloroethane	12.466	117	2064	2.084	ug/l	86
91) 1,2-Dichlorobenzene	12.209	146	8196	2.698	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.991	75	1716	2.984	ug/l	79
93) 1,2,4-Trichlorobenzene	13.839	180	5715	2.937	ug/l	99
94) Hexachlorobutadiene	14.010	225	2379	2.860	ug/l	91
95) Naphthalene	14.090	128	21252	3.335	ug/l	98
96) 1,2,3-Trichlorobenzene	14.322	180	5718	2.990	ug/l	94

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

