

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071425\
 Data File : VU063505.D
 Acq On : 14 Jul 2025 13:27
 Operator : MD/SY
 Sample : MDL06
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 9 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 01:34:14 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	5.357	168	98551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	175512	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	163906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	81799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	67968	54.055	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.100%			
35) Dibromofluoromethane	5.274	113	53079	50.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	7.888	98	167352	48.528	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.060%			
62) 4-Bromofluorobenzene	10.624	95	73388	48.652	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.383	85	1852	2.363	ug/l	94
3) Chloromethane	1.518	50	2708	2.837	ug/l	92
4) Vinyl Chloride	1.599	62	3282	3.100	ug/l	97
5) Bromomethane	1.846	94	3160	4.261	ug/l	85
6) Chloroethane	1.924	64	2511	3.274	ug/l	98
7) Trichlorofluoromethane	2.126	101	5362	3.140	ug/l	93
8) Diethyl Ether	2.367	74	2061	2.896	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.563	101	2699	2.672	ug/l	98
10) Methyl Iodide	2.708	142	2488	2.358	ug/l	99
11) Tert butyl alcohol	3.194	59	7408	17.572	ug/l #	80
12) 1,1-Dichloroethene	2.567	96	2672	2.842	ug/l	94
13) Acrolein	2.477	56	1001m	16.822	ug/l	
14) Allyl chloride	2.904	41	6311	2.820	ug/l #	91
15) Acrylonitrile	3.303	53	14445	15.996	ug/l	96
16) Acetone	2.621	43	15739	14.922	ug/l	99
17) Carbon Disulfide	2.776	76	7327	3.260	ug/l #	91
18) Methyl Acetate	2.943	43	6943	2.558	ug/l	95
19) Methyl tert-butyl Ether	3.364	73	11452	2.824	ug/l	98
20) Methylene Chloride	3.030	84	4004	2.603	ug/l #	90
21) trans-1,2-Dichloroethene	3.329	96	3246	3.213	ug/l	88
22) Diisopropyl ether	3.988	45	10303	2.704	ug/l #	53
23) Vinyl Acetate	3.952	43	40433	13.674	ug/l	98
24) 1,1-Dichloroethane	3.846	63	6337	2.930	ug/l	99
25) 2-Butanone	4.724	43	16132	13.624	ug/l #	87
26) 2,2-Dichloropropane	4.647	77	5530	2.939	ug/l	89
27) cis-1,2-Dichloroethene	4.657	96	3697	2.773	ug/l	98
28) Bromochloromethane	4.959	49	3050	3.002	ug/l #	97
29) Tetrahydrofuran	5.062	42	10770	14.419	ug/l	97
30) Chloroform	5.075	83	6264	2.743	ug/l	99
31) Cyclohexane	5.361	56	7587	4.364	ug/l #	59
32) 1,1,1-Trichloroethane	5.296	97	4724	2.430	ug/l	95
36) 1,1-Dichloropropene	5.518	75	4395	3.057	ug/l	98
37) Ethyl Acetate	4.837	43	6636m	2.850	ug/l	
38) Carbon Tetrachloride	5.505	117	4010	2.532	ug/l	96
39) Methylcyclohexane	6.747	83	5024	2.892	ug/l	90
40) Benzene	5.766	78	12565	2.799	ug/l	94

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.991	41	2762	2.514	ug/l #	68
42) 1,2-Dichloroethane	5.788	62	5236	3.102	ug/l	93
43) Isopropyl Acetate	5.923	43	8038	2.599	ug/l #	94
44) Trichloroethene	6.534	130	3111	2.589	ug/l	95
45) 1,2-Dichloropropane	6.782	63	3244	2.599	ug/l	92
46) Dibromomethane	6.914	93	2539	2.859	ug/l	86
47) Bromodichloromethane	7.094	83	4610	2.497	ug/l #	97
48) Methyl methacrylate	6.968	41	3418	2.391	ug/l	96
49) 1,4-Dioxane	6.981	88	1536m	48.975	ug/l	
51) 4-Methyl-2-Pentanone	7.788	43	32304	14.433	ug/l	96
52) Toluene	7.962	92	8222	2.800	ug/l	100
53) t-1,3-Dichloropropene	8.206	75	3357	2.078	ug/l	99
54) cis-1,3-Dichloropropene	7.599	75	3978	2.199	ug/l #	86
55) 1,1,2-Trichloroethane	8.396	97	3129	2.509	ug/l	93
56) Ethyl methacrylate	8.335	69	4631	2.302	ug/l #	80
57) 1,3-Dichloropropane	8.566	76	5346	2.601	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.486	63	111m	5.314	ug/l	
59) 2-Hexanone	8.682	43	24863	14.687	ug/l	97
60) Dibromochloromethane	8.804	129	3236	2.316	ug/l	94
61) 1,2-Dibromoethane	8.917	107	3015	2.463	ug/l	82
64) Tetrachloroethene	8.541	164	3229	2.646	ug/l	89
65) Chlorobenzene	9.441	112	9018	2.645	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.525	131	2646	2.263	ug/l	88
67) Ethyl Benzene	9.563	91	16385	2.796	ug/l	97
68) m/p-Xylenes	9.685	106	11765	5.260	ug/l	94
69) o-Xylene	10.094	106	5565	2.447	ug/l	98
70) Styrene	10.110	104	9190	2.542	ug/l	97
71) Bromoform	10.283	173	1968	1.931	ug/l #	98
73) Isopropylbenzene	10.476	105	14991	2.693	ug/l	97
74) N-amyl acetate	10.319	43	6271	2.512	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	10.772	83	5669	2.767	ug/l	99
76) 1,2,3-Trichloropropane	10.814	75	5410	2.496	ug/l #	1
77) Bromobenzene	10.775	156	3610	2.646	ug/l	90
78) n-propylbenzene	10.901	91	18027	2.793	ug/l	97
79) 2-Chlorotoluene	10.981	91	11067	2.734	ug/l	98
80) 1,3,5-Trimethylbenzene	11.081	105	12577	2.583	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.541	75	1216m	2.798	ug/l	
82) 4-Chlorotoluene	11.094	91	12245	2.664	ug/l	97
83) tert-Butylbenzene	11.412	119	12555	2.689	ug/l	96
84) 1,2,4-Trimethylbenzene	11.463	105	12129	2.537	ug/l	99
85) sec-Butylbenzene	11.637	105	16692	2.710	ug/l	98
86) p-Isopropyltoluene	11.788	119	12963	2.594	ug/l	96
87) 1,3-Dichlorobenzene	11.743	146	7305	2.779	ug/l	97
88) 1,4-Dichlorobenzene	11.827	146	7707	2.875	ug/l	90
89) n-Butylbenzene	12.203	91	12515	2.706	ug/l	96
90) Hexachloroethane	12.470	117	1820	2.177	ug/l	91
91) 1,2-Dichlorobenzene	12.209	146	7295	2.846	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.994	75	1554	3.203	ug/l	71
93) 1,2,4-Trichlorobenzene	13.843	180	4570	2.784	ug/l	98
94) Hexachlorobutadiene	14.013	225	1718	2.448	ug/l	91
95) Naphthalene	14.090	128	17533	3.261	ug/l	98
96) 1,2,3-Trichlorobenzene	14.325	180	4421	2.740	ug/l	98

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

