

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071525\
 Data File : VV038897.D
 Acq On : 15 Jul 2025 12:55
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

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

Quant Time: Jul 16 02:51:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 16 02:47:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	542252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	960363	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	892194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	397166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	378810	57.176	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 114.360%			
35) Dibromofluoromethane	4.500	113	317236	48.450	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 96.900%			
50) Toluene-d8	7.236	98	1039589	52.526	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 105.060%			
62) 4-Bromofluorobenzene	10.001	95	387180	48.562	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.118	85	2682	0.563	ug/l	88
3) Chloromethane	1.227	50	3288	0.639	ug/l	91
4) Vinyl Chloride	1.294	62	3605	0.612	ug/l #	85
5) Bromomethane	1.494	94	4126	0.934	ug/l	85
6) Chloroethane	1.558	64	2484	0.631	ug/l	96
7) Trichlorofluoromethane	1.725	101	5725	0.549	ug/l	86
8) Diethyl Ether	1.915	74	2240	0.598	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.079	101	3231	0.519	ug/l #	92
10) Methyl Iodide	2.195	142	3276	0.458	ug/l #	89
11) Tert butyl alcohol	2.564	59	4755m	3.117	ug/l	
12) 1,1-Dichloroethene	2.082	96	3222	0.568	ug/l	96
13) Acrolein	2.005	56	563	2.552	ug/l #	56
14) Allyl chloride	2.355	41	6226	0.688	ug/l #	75
15) Acrylonitrile	2.680	53	11194	2.868	ug/l	88
16) Acetone	2.124	43	6850	2.389	ug/l #	84
17) Carbon Disulfide	2.253	76	8131	0.687	ug/l #	89
18) Methyl Acetate	2.388	43	5001	0.516	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	11304	0.531	ug/l	95
20) Methylene Chloride	2.452	84	5533	0.761	ug/l #	81
21) trans-1,2-Dichloroethene	2.703	96	3933	0.651	ug/l	91
22) Diisopropyl ether	3.220	45	8674	0.480	ug/l #	41
23) Vinyl Acetate	3.204	43	34631	2.444	ug/l	99
24) 1,1-Dichloroethane	3.121	63	6930	0.586	ug/l #	91
25) 2-Butanone	3.950	43	11149m	2.713	ug/l	
26) 2,2-Dichloropropane	3.812	77	4982	0.481	ug/l	83
27) cis-1,2-Dichloroethene	3.831	96	3411m	0.492	ug/l	
28) Bromochloromethane	4.162	49	3370m	0.736	ug/l	
29) Tetrahydrofuran	4.259	42	6857m	2.532	ug/l	
30) Chloroform	4.281	83	6189	0.474	ug/l #	82
31) Cyclohexane	4.593	56	15465	1.991	ug/l #	30
32) 1,1,1-Trichloroethane	4.516	97	5723	0.503	ug/l #	41
36) 1,1-Dichloropropene	4.764	75	4739m	0.630	ug/l	
37) Ethyl Acetate	4.018	43	4749m	0.536	ug/l	
38) Carbon Tetrachloride	4.741	117	6130m	0.613	ug/l	
39) Methylcyclohexane	6.056	83	4990	0.562	ug/l #	78
40) Benzene	5.031	78	11739	0.460	ug/l #	88

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Quant Time: Jul 16 02:51:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.230	41	1147m	0.282	ug/l	
42) 1,2-Dichloroethane	5.059	62	5031	0.517	ug/l	80
43) Isopropyl Acetate	5.233	43	6310m	0.450	ug/l	
44) Trichloroethene	5.850	130	3247	0.487	ug/l	100
45) 1,2-Dichloropropane	6.111	63	3200m	0.475	ug/l	
46) Dibromomethane	6.249	93	2488	0.477	ug/l #	85
47) Bromodichloromethane	6.449	83	4838	0.437	ug/l #	96
48) Methyl methacrylate	6.387	41	2632m	0.433	ug/l	
49) 1,4-Dioxane	6.333	88	1306m	9.968	ug/l	
51) 4-Methyl-2-Pentanone	7.162	43	22281m	2.335	ug/l	
52) Toluene	7.320	92	7919m	0.493	ug/l	
53) t-1,3-Dichloropropene	7.616	75	4720m	0.471	ug/l	
54) cis-1,3-Dichloropropene	6.973	75	4028m	0.372	ug/l	
55) 1,1,2-Trichloroethane	7.780	97	3517	0.458	ug/l	96
56) Ethyl methacrylate	7.760	69	3675m	0.403	ug/l	
57) 1,3-Dichloropropane	7.953	76	5251	0.456	ug/l #	58
58) 2-Chloroethyl Vinyl ether	6.850	63	8068m	1.465	ug/l	
59) 2-Hexanone	8.104	43	12369m	1.742	ug/l	
60) Dibromochloromethane	8.178	129	3648	0.403	ug/l	89
61) 1,2-Dibromoethane	8.291	107	2939	0.380	ug/l	86
64) Tetrachloroethene	7.902	164	3218	0.550	ug/l #	82
65) Chlorobenzene	8.809	112	10184	0.522	ug/l	89
66) 1,1,1,2-Tetrachloroethane	8.908	131	3054	0.393	ug/l #	60
67) Ethyl Benzene	8.950	91	12142	0.419	ug/l	97
68) m/p-Xylenes	9.079	106	8285	0.735	ug/l	99
69) o-Xylene	9.481	106	3886	0.365	ug/l	98
70) Styrene	9.516	104	7078m	0.376	ug/l	
71) Bromoform	9.664	173	2948	0.467	ug/l #	98
73) Isopropylbenzene	9.863	105	10969	0.462	ug/l	94
74) N-amyl acetate	9.760	43	3803m	0.437	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	5932	0.597	ug/l	98
76) 1,2,3-Trichloropropane	10.210	75	3450m	0.467	ug/l	
77) Bromobenzene	10.156	156	3584	0.576	ug/l	91
78) n-propylbenzene	10.291	91	15271	0.551	ug/l	92
79) 2-Chlorotoluene	10.358	91	8204	0.465	ug/l	91
80) 1,3,5-Trimethylbenzene	10.474	105	9550	0.477	ug/l	94
81) trans-1,4-Dichloro-2-b...	9.940	75	1595m	0.527	ug/l	
82) 4-Chlorotoluene	10.480	91	9724	0.493	ug/l	92
83) tert-Butylbenzene	10.792	119	10494	0.500	ug/l	98
84) 1,2,4-Trimethylbenzene	10.850	105	9008	0.457	ug/l	96
85) sec-Butylbenzene	11.014	105	12356	0.461	ug/l	97
86) p-Isopropyltoluene	11.175	119	11160	0.491	ug/l	88
87) 1,3-Dichlorobenzene	11.117	146	6654	0.524	ug/l	95
88) 1,4-Dichlorobenzene	11.198	146	8043m	0.582	ug/l	
89) n-Butylbenzene	11.593	91	9449	0.455	ug/l	93
90) Hexachloroethane	11.818	117	2773	0.513	ug/l	95
91) 1,2-Dichlorobenzene	11.580	146	6789	0.550	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.368	75	1278	0.569	ug/l	63
93) 1,2,4-Trichlorobenzene	13.201	180	3279	0.450	ug/l	91
94) Hexachlorobutadiene	13.371	225	2202	0.587	ug/l	95
95) Naphthalene	13.445	128	11197m	0.468	ug/l	
96) 1,2,3-Trichlorobenzene	13.680	180	3520	0.466	ug/l	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

