

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038861.D
 Acq On : 03 Jul 2025 15:03
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

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

Quant Time: Jul 07 08:24:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 07 08:22:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	440867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	744228	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	701675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	355671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	273645	55.383	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 110.760%			
35) Dibromofluoromethane	4.500	113	242871	51.520	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 103.040%			
50) Toluene-d8	7.236	98	727961	47.729	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.460%			
62) 4-Bromofluorobenzene	10.001	95	304334	49.388	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 98.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	12928	3.089	ug/l	98
3) Chloromethane	1.230	50	14456	2.815	ug/l	96
4) Vinyl Chloride	1.294	62	14028	2.938	ug/l	93
5) Bromomethane	1.494	94	12495	4.288	ug/l	88
6) Chloroethane	1.558	64	9508	2.970	ug/l	100
7) Trichlorofluoromethane	1.725	101	24128	2.856	ug/l	97
8) Diethyl Ether	1.921	74	8616	2.931	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	15778	3.303	ug/l	92
10) Methyl Iodide	2.195	142	11846	1.954	ug/l	96
11) Tert butyl alcohol	2.571	59	9480	14.699	ug/l	98
12) 1,1-Dichloroethene	2.082	96	13074	2.880	ug/l	95
13) Acrolein	2.018	56	2853	17.716	ug/l #	79
14) Allyl chloride	2.362	41	19158	3.138	ug/l #	89
15) Acrylonitrile	2.690	53	33503	14.850	ug/l	91
16) Acetone	2.121	43	26946	16.365	ug/l	99
17) Carbon Disulfide	2.253	76	34192	3.251	ug/l	98
18) Methyl Acetate	2.397	43	13531	2.410	ug/l	95
19) Methyl tert-butyl Ether	2.712	73	40868	2.911	ug/l	96
20) Methylene Chloride	2.455	84	17136	3.149	ug/l	95
21) trans-1,2-Dichloroethene	2.709	96	13577	2.990	ug/l	93
22) Diisopropyl ether	3.220	45	32866	2.626	ug/l #	67
23) Vinyl Acetate	3.208	43	105184	11.653	ug/l	97
24) 1,1-Dichloroethane	3.121	63	25435	3.014	ug/l	98
25) 2-Butanone	3.908	43	29021m	11.919	ug/l	
26) 2,2-Dichloropropane	3.815	77	22628	2.893	ug/l	77
27) cis-1,2-Dichloroethene	3.834	96	14918	2.819	ug/l	91
28) Bromochloromethane	4.156	49	10421	2.889	ug/l #	97
29) Tetrahydrofuran	4.252	42	17747	10.762	ug/l #	74
30) Chloroform	4.285	83	28566	3.107	ug/l	92
31) Cyclohexane	4.587	56	26983	4.038	ug/l #	69
32) 1,1,1-Trichloroethane	4.516	97	24453	2.866	ug/l	95
36) 1,1-Dichloropropene	4.757	75	14533	2.541	ug/l	96
37) Ethyl Acetate	4.021	43	18512m	3.171	ug/l	
38) Carbon Tetrachloride	4.741	117	21568	2.865	ug/l #	90
39) Methylcyclohexane	6.047	83	19337	2.585	ug/l	88
40) Benzene	5.021	78	53214	2.817	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.214	41	2470	0.985	ug/l #	4
42) 1,2-Dichloroethane	5.060	62	20307	3.037	ug/l	98
43) Isopropyl Acetate	5.217	43	20950	2.250	ug/l #	88
44) Trichloroethene	5.847	130	14024	2.845	ug/l	90
45) 1,2-Dichloropropane	6.098	63	12928	2.725	ug/l	91
46) Dibromomethane	6.243	93	10164	2.717	ug/l	96
47) Bromodichloromethane	6.436	83	21537	2.719	ug/l	98
48) Methyl methacrylate	6.339	41	7303	1.649	ug/l #	66
49) 1,4-Dioxane	6.320	88	3300	53.768	ug/l #	66
51) 4-Methyl-2-Pentanone	7.153	43	72264	12.298	ug/l	98
52) Toluene	7.317	92	34044	2.885	ug/l	95
53) t-1,3-Dichloropropene	7.593	75	19538	2.576	ug/l	93
54) cis-1,3-Dichloropropene	6.966	75	20188	2.604	ug/l	95
55) 1,1,2-Trichloroethane	7.770	97	14682	2.845	ug/l	98
56) Ethyl methacrylate	7.731	69	13131	1.934	ug/l #	87
57) 1,3-Dichloropropane	7.944	76	23220	2.856	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.825	63	36336	11.787	ug/l	100
59) 2-Hexanone	8.079	43	47078	11.359	ug/l	95
60) Dibromochloromethane	8.175	129	18027	2.774	ug/l	98
61) 1,2-Dibromoethane	8.284	107	15838	2.966	ug/l	93
64) Tetrachloroethene	7.902	164	13303	2.948	ug/l	95
65) Chlorobenzene	8.809	112	41542	2.809	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.902	131	15967	2.892	ug/l	98
67) Ethyl Benzene	8.944	91	58166	2.511	ug/l	98
68) m/p-Xylenes	9.069	106	42636	4.805	ug/l	99
69) o-Xylene	9.471	106	20066	2.367	ug/l	98
70) Styrene	9.500	104	33181	2.242	ug/l	98
71) Bromoform	9.661	173	12793	2.851	ug/l #	96
73) Isopropylbenzene	9.860	105	56356	2.700	ug/l	99
74) N-amyl acetate	9.738	43	15620	2.138	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.172	83	23585	3.117	ug/l	99
76) 1,2,3-Trichloropropane	10.204	75	17163	3.119	ug/l	97
77) Bromobenzene	10.149	156	15703	2.916	ug/l	96
78) n-propylbenzene	10.284	91	66397	2.673	ug/l	97
79) 2-Chlorotoluene	10.355	91	42517	2.818	ug/l	98
80) 1,3,5-Trimethylbenzene	10.468	105	45955	2.575	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.937	75	6529	2.525	ug/l	93
82) 4-Chlorotoluene	10.471	91	43539	2.503	ug/l	95
83) tert-Butylbenzene	10.789	119	49004	2.647	ug/l	94
84) 1,2,4-Trimethylbenzene	10.844	105	41502	2.373	ug/l	99
85) sec-Butylbenzene	11.014	105	60656	2.574	ug/l	100
86) p-Isopropyltoluene	11.169	119	51427	2.545	ug/l	98
87) 1,3-Dichlorobenzene	11.114	146	30590	2.794	ug/l	96
88) 1,4-Dichlorobenzene	11.201	146	33196	2.878	ug/l	90
89) n-Butylbenzene	11.587	91	47728	2.549	ug/l	97
90) Hexachloroethane	11.821	117	12182	2.778	ug/l	98
91) 1,2-Dichlorobenzene	11.577	146	28847	2.796	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.361	75	4637	2.894	ug/l	96
93) 1,2,4-Trichlorobenzene	13.194	180	17201	2.572	ug/l	94
94) Hexachlorobutadiene	13.371	225	9250	2.866	ug/l	91
95) Naphthalene	13.432	128	45208	2.125	ug/l	98
96) 1,2,3-Trichlorobenzene	13.670	180	16110	2.334	ug/l	96

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

