

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080625\
 Data File : VR026720.D
 Acq On : 6 Aug 2025 16:36
 Operator : SY/MD
 Sample : MDL07
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/07/2025
 Supervised By :Semsettin Yesilyurt 08/07/2025

Quant Time: Aug 07 01:15:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.288	168	351113	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.318	114	630725	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.527	117	510894	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.735	152	231056	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	211220	47.530	ug/l	-0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.060%		
34) Dibromofluoromethane	7.189	113	179466	46.004	ug/l	-0.02
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.000%		
49) Toluene-d8	10.022	98	732609	52.418	ug/l	-0.02
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.840%		
61) 4-Bromofluorobenzene	12.663	95	193602	48.702	ug/l	-0.01
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	4265	1.667	ug/l	74
3) Chloromethane	1.840	50	8888	2.337	ug/l	93
4) Vinyl Chloride	1.952	62	10673	2.746	ug/l #	86
5) Bromomethane	2.292	94	7505	3.962	ug/l #	80
6) Chloroethane	2.417	64	7721m	3.085	ug/l	
7) Trichlorofluoromethane	2.712	101	23313	3.328	ug/l	97
8) Diethyl Ether	3.075	74	7521m	2.419	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.370	101	9402m	2.488	ug/l	
10) Methyl Iodide	3.540	142	8239m	2.259	ug/l	
11) Tert butyl alcohol	4.310	59	8468m	12.179	ug/l	
12) 1,1-Dichloroethene	3.354	96	9199	2.463	ug/l #	77
13) Acrolein	3.242	56	4287	4.218	ug/l	89
14) Allyl chloride	3.874	41	16633m	2.264	ug/l	
15) Acrylonitrile	4.468	53	33415	12.107	ug/l	90
16) Acetone	3.434	43	30803	14.769	ug/l	98
17) Carbon Disulfide	3.637	76	7398m	1.338	ug/l	
18) Methyl Acetate	3.897	43	17322m	1.990	ug/l	
19) Methyl tert-butyl Ether	4.551	73	33595	2.248	ug/l #	70
20) Methylene Chloride	4.070	84	12075m	2.440	ug/l	
21) trans-1,2-Dichloroethene	4.532	96	8166m	1.989	ug/l	
22) Diisopropyl ether	5.450	45	42155m	2.448	ug/l	
23) Vinyl Acetate	5.373	43	113084	11.518	ug/l #	85
24) 1,1-Dichloroethane	5.308	63	19617m	2.250	ug/l	
25) 2-Butanone	6.377	43	42199	13.072	ug/l	95
26) 2,2-Dichloropropane	6.338	77	10557m	1.751	ug/l	
27) cis-1,2-Dichloroethene	6.342	96	12232m	2.316	ug/l	
28) Bromochloromethane	6.736	49	10069m	3.204	ug/l	
29) Chloroform	6.945	83	19172m	2.538	ug/l	
30) Cyclohexane	7.279	56	20986m	2.980	ug/l	
31) 1,1,1-Trichloroethane	7.170	97	11955m	2.191	ug/l	
35) 1,1-Dichloropropene	7.426	75	11824m	2.403	ug/l	
36) Ethyl Acetate	6.470	43	17337m	2.943	ug/l	
37) Carbon Tetrachloride	7.397	117	8053m	2.009	ug/l	
38) Methylcyclohexane	8.870	83	13022m	2.312	ug/l	
39) Benzene	7.696	78	44699	2.522	ug/l #	77
40) Methacrylonitrile	6.714	41	10007m	2.733	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.779	62	11020m	2.445	ug/l	
42) Isopropyl Acetate	7.866	43	20416m	2.155	ug/l	
43) Trichloroethene	8.594	130	9921	2.911	ug/l	39
44) 1,2-Dichloropropane	8.902	63	12306m	2.934	ug/l	
45) Dibromomethane	9.008	93	6574	2.818	ug/l #	41
46) Bromodichloromethane	9.233	83	10554	2.335	ug/l #	84
47) Methyl methacrylate	9.024	41	9807m	2.365	ug/l	
48) 1,4-Dioxane	9.024	88	3765m	56.371	ug/l	
50) 4-Methyl-2-Pentanone	9.910	43	66035	13.351	ug/l	98
51) Toluene	10.103	92	26306	2.908	ug/l	91
52) t-1,3-Dichloropropene	10.356	75	7281	1.644	ug/l #	88
53) cis-1,3-Dichloropropene	9.737	75	9898	1.863	ug/l #	72
54) 1,1,2-Trichloroethane	10.558	97	9643	2.919	ug/l #	87
55) Ethyl methacrylate	10.423	69	11795	2.162	ug/l #	83
56) 1,3-Dichloropropane	10.722	76	15351	2.728	ug/l	96
57) 2-Chloroethyl Vinyl ether	9.573	63	3699	12.267	ug/l #	83
58) 2-Hexanone	10.786	43	43746	13.120	ug/l	95
59) Dibromochloromethane	10.950	129	5904m	2.111	ug/l	
60) 1,2-Dibromoethane	11.059	107	7356	2.587	ug/l	97
63) Tetrachloroethene	10.638	164	6608m	2.368	ug/l	
64) Chlorobenzene	11.556	112	27611	2.597	ug/l #	86
65) 1,1,1,2-Tetrachloroethane	11.649	131	6132	2.112	ug/l	82
66) Ethyl Benzene	11.649	91	39481	2.224	ug/l	97
67) m/p-Xylenes	11.778	106	31825	4.487	ug/l	96
68) o-Xylene	12.150	106	15596	2.265	ug/l	89
69) Styrene	12.166	104	24097	2.094	ug/l #	83
70) Bromoform	12.362	173	3706m	2.255	ug/l	
72) Isopropylbenzene	12.493	105	35681	2.167	ug/l	96
73) N-amyl acetate	12.297	43	12282m	1.881	ug/l	
74) 1,1,2,2-Tetrachloroethane	12.776	83	13931	2.883	ug/l	91
75) 1,2,3-Trichloropropane	12.827	75	10437m	2.725	ug/l	
76) Bromobenzene	12.801	156	10029	2.631	ug/l #	53
77) n-propylbenzene	12.881	91	46006	2.342	ug/l	98
78) 2-Chlorotoluene	12.974	91	25814	2.316	ug/l	98
79) 1,3,5-Trimethylbenzene	13.035	105	28490	2.212	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.554	75	2756m	2.096	ug/l	
81) 4-Chlorotoluene	13.084	91	26527	2.329	ug/l	86
82) tert-Butylbenzene	13.334	119	27262	2.327	ug/l	95
83) 1,2,4-Trimethylbenzene	13.392	105	27899	2.189	ug/l	92
84) sec-Butylbenzene	13.536	105	40277	2.319	ug/l	78
85) p-Isopropyltoluene	13.671	119	28555	2.016	ug/l	90
86) 1,3-Dichlorobenzene	13.661	146	19511	2.611	ug/l	95
87) 1,4-Dichlorobenzene	13.748	146	20531	2.738	ug/l	93
88) n-Butylbenzene	14.037	91	30363	2.326	ug/l #	86
89) Hexachloroethane	14.338	117	4361m	2.144	ug/l	
90) 1,2-Dichlorobenzene	14.082	146	19271	2.746	ug/l	87
91) 1,2-Dibromo-3-Chloropr...	14.781	75	1799m	2.796	ug/l	
92) 1,2,4-Trichlorobenzene	15.538	180	11980	2.855	ug/l #	90
93) Hexachlorobutadiene	15.676	225	4290m	3.147	ug/l	
94) Naphthalene	15.824	128	41080	3.195	ug/l #	96
95) 1,2,3-Trichlorobenzene	16.042	180	11751m	2.950	ug/l	

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

