

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080625\
 Data File : VR026719.D
 Acq On : 6 Aug 2025 16:10
 Operator : SY/MD
 Sample : MDL06
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

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

Quant Time: Aug 07 01:14:28 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	7.292	168	364829	50.000	ug/l	-0.01
33) 1,4-Difluorobenzene	8.315	114	667084	50.000	ug/l	-0.02
62) Chlorobenzene-d5	11.524	117	527984	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.732	152	238020	50.000	ug/l	-0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	218732	47.370	ug/l	-0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.740%		
34) Dibromofluoromethane	7.183	113	181156	43.906	ug/l	-0.02
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.820%		
49) Toluene-d8	10.023	98	755620	51.118	ug/l	-0.02
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.240%		
61) 4-Bromofluorobenzene	12.663	95	205161	48.797	ug/l	-0.01
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.657	85	5522m	2.077	ug/l	
3) Chloromethane	1.833	50	9717	2.458	ug/l #	87
4) Vinyl Chloride	1.949	62	10521	2.605	ug/l	90
5) Bromomethane	2.299	94	7553	3.838	ug/l #	79
6) Chloroethane	2.414	64	6687	2.571	ug/l #	82
7) Trichlorofluoromethane	2.700	101	23876	3.280	ug/l	98
8) Diethyl Ether	3.072	74	7036	2.178	ug/l	53
9) 1,1,2-Trichlorotrifluo...	3.377	101	9361	2.384	ug/l #	88
10) Methyl Iodide	3.547	142	7749	2.044	ug/l #	68
11) Tert butyl alcohol	4.320	59	8164m	11.300	ug/l	
12) 1,1-Dichloroethene	3.345	96	8294m	2.137	ug/l	
13) Acrolein	3.242	56	5053m	4.785	ug/l	
14) Allyl chloride	3.868	41	15769m	2.065	ug/l	
15) Acrylonitrile	4.468	53	36556	12.747	ug/l #	68
16) Acetone	3.441	43	41317m	19.065	ug/l	
17) Carbon Disulfide	3.627	76	8809	1.533	ug/l #	84
18) Methyl Acetate	3.900	43	17879	1.977	ug/l #	62
19) Methyl tert-butyl Ether	4.539	73	32631m	2.101	ug/l	
20) Methylene Chloride	4.070	84	13827m	2.688	ug/l	
21) trans-1,2-Dichloroethene	4.532	96	9384m	2.200	ug/l	
22) Diisopropyl ether	5.453	45	40726	2.276	ug/l #	82
23) Vinyl Acetate	5.382	43	120289	11.792	ug/l #	85
24) 1,1-Dichloroethane	5.328	63	20345m	2.245	ug/l	
25) 2-Butanone	6.374	43	48014m	14.314	ug/l	
26) 2,2-Dichloropropane	6.352	77	11427m	1.824	ug/l	
27) cis-1,2-Dichloroethene	6.345	96	12952m	2.360	ug/l	
28) Bromochloromethane	6.737	49	9973m	3.055	ug/l	
29) Chloroform	6.945	83	20054	2.555	ug/l #	72
30) Cyclohexane	7.266	56	20317	2.777	ug/l #	84
31) 1,1,1-Trichloroethane	7.170	97	12598	2.222	ug/l #	33
35) 1,1-Dichloropropene	7.423	75	12217m	2.347	ug/l	
36) Ethyl Acetate	6.483	43	17085m	2.742	ug/l	
37) Carbon Tetrachloride	7.398	117	9306m	2.195	ug/l	
38) Methylcyclohexane	8.880	83	12896	2.164	ug/l	96
39) Benzene	7.696	78	43249	2.307	ug/l #	89
40) Methacrylonitrile	6.714	41	9742m	2.516	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.783	62	13042	2.735	ug/l	83
42) Isopropyl Acetate	7.866	43	20852	2.081	ug/l #	88
43) Trichloroethene	8.598	130	9055	2.512	ug/l	63
44) 1,2-Dichloropropane	8.906	63	10285m	2.319	ug/l	
45) Dibromomethane	9.009	93	5841m	2.368	ug/l	
46) Bromodichloromethane	9.233	83	11085	2.319	ug/l #	96
47) Methyl methacrylate	9.025	41	11616	2.649	ug/l #	81
48) 1,4-Dioxane	9.018	88	4515m	63.916	ug/l	
50) 4-Methyl-2-Pentanone	9.910	43	73675	14.084	ug/l	97
51) Toluene	10.100	92	24841	2.596	ug/l	100
52) t-1,3-Dichloropropene	10.359	75	7531	1.608	ug/l	94
53) cis-1,3-Dichloropropene	9.731	75	10628m	1.891	ug/l	
54) 1,1,2-Trichloroethane	10.558	97	11666	3.338	ug/l #	63
55) Ethyl methacrylate	10.424	69	12187	2.112	ug/l #	81
56) 1,3-Dichloropropane	10.725	76	15248	2.562	ug/l #	62
57) 2-Chloroethyl Vinyl ether	9.583	63	3681m	11.542	ug/l	
58) 2-Hexanone	10.786	43	49397	14.007	ug/l	98
59) Dibromochloromethane	10.950	129	6446m	2.180	ug/l	
60) 1,2-Dibromoethane	11.065	107	7214m	2.399	ug/l	
63) Tetrachloroethene	10.639	164	6789m	2.354	ug/l	
64) Chlorobenzene	11.556	112	27382	2.492	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.643	131	6792	2.263	ug/l #	61
66) Ethyl Benzene	11.646	91	41716	2.274	ug/l	95
67) m/p-Xylenes	11.775	106	33671	4.594	ug/l	90
68) o-Xylene	12.144	106	17058	2.397	ug/l	89
69) Styrene	12.163	104	25954	2.183	ug/l #	81
70) Bromoform	12.343	173	3565	2.099	ug/l #	80
72) Isopropylbenzene	12.493	105	38672	2.280	ug/l	98
73) N-amyl acetate	12.288	43	15641	2.325	ug/l #	94
74) 1,1,2,2-Tetrachloroethane	12.782	83	14084	2.830	ug/l	97
75) 1,2,3-Trichloropropane	12.837	75	10653m	2.700	ug/l	
76) Bromobenzene	12.801	156	10798	2.750	ug/l	82
77) n-propylbenzene	12.878	91	48368	2.390	ug/l	80
78) 2-Chlorotoluene	12.972	91	29227	2.545	ug/l	97
79) 1,3,5-Trimethylbenzene	13.045	105	29311	2.209	ug/l	66
80) trans-1,4-Dichloro-2-b...	12.545	75	2728m	2.014	ug/l	
81) 4-Chlorotoluene	13.087	91	30149	2.570	ug/l	99
82) tert-Butylbenzene	13.334	119	29281	2.427	ug/l	99
83) 1,2,4-Trimethylbenzene	13.385	105	29890	2.276	ug/l	98
84) sec-Butylbenzene	13.539	105	44292	2.475	ug/l	99
85) p-Isopropyltoluene	13.674	119	37127	2.545	ug/l #	80
86) 1,3-Dichlorobenzene	13.658	146	22765	2.958	ug/l	96
87) 1,4-Dichlorobenzene	13.758	146	24230	3.136	ug/l	73
88) n-Butylbenzene	14.034	91	31873	2.370	ug/l	92
89) Hexachloroethane	14.342	117	4277m	2.041	ug/l	
90) 1,2-Dichlorobenzene	14.079	146	22258	3.079	ug/l	95
91) 1,2-Dibromo-3-Chloropr...	14.772	75	2695m	4.066	ug/l	
92) 1,2,4-Trichlorobenzene	15.535	180	15045m	3.480	ug/l	
93) Hexachlorobutadiene	15.670	225	4746m	3.379	ug/l	
94) Naphthalene	15.821	128	63063	4.761	ug/l #	83
95) 1,2,3-Trichlorobenzene	16.039	180	15444m	3.763	ug/l	

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

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