

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026709.D
 Acq On : 5 Aug 2025 12:43
 Operator : SY/MD
 Sample : MDL03
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/06/2025
 Supervised By :Semsettin Yesilyurt 08/06/2025

Quant Time: Aug 06 01:22:30 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	440344	50.000	ug/l	-0.01
33) 1,4-Difluorobenzene	8.322	114	805343	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.531	117	605225	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	271002	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	286539	51.413	ug/l	-0.02
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.820%			
34) Dibromofluoromethane	7.192	113	231415	46.458	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.920%			
49) Toluene-d8	10.029	98	929698	52.097	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.200%			
61) 4-Bromofluorobenzene	12.667	95	241530	47.585	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.180%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.663	85	7881	2.456	ug/l	87
3) Chloromethane	1.843	50	12639	2.649	ug/l	98
4) Vinyl Chloride	1.959	62	13180	2.704	ug/l	98
5) Bromomethane	2.299	94	8618m	3.628	ug/l	
6) Chloroethane	2.424	64	7957	2.535	ug/l #	85
7) Trichlorofluoromethane	2.706	101	28021	3.189	ug/l #	79
8) Diethyl Ether	3.072	74	7985	2.048	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.374	101	12397m	2.615	ug/l	
10) Methyl Iodide	3.547	142	10050m	2.197	ug/l	
11) Tert butyl alcohol	4.317	59	11998m	13.759	ug/l	
12) 1,1-Dichloroethene	3.348	96	11418m	2.438	ug/l	
13) Acrolein	3.236	56	10729	8.417	ug/l #	42
14) Allyl chloride	3.881	41	23450m	2.545	ug/l	
15) Acrylonitrile	4.484	53	53151m	15.355	ug/l	
16) Acetone	3.444	43	53345	20.394	ug/l	92
17) Carbon Disulfide	3.637	76	8992m	1.297	ug/l	
18) Methyl Acetate	3.894	43	19986	1.831	ug/l #	66
19) Methyl tert-butyl Ether	4.548	73	43096	2.299	ug/l	96
20) Methylene Chloride	4.070	84	17404m	2.804	ug/l	
21) trans-1,2-Dichloroethene	4.516	96	12503	2.428	ug/l #	55
22) Diisopropyl ether	5.453	45	55909	2.589	ug/l	94
23) Vinyl Acetate	5.389	43	170261	13.828	ug/l #	90
24) 1,1-Dichloroethane	5.328	63	27031m	2.472	ug/l	
25) 2-Butanone	6.371	43	67300	16.623	ug/l #	74
26) 2,2-Dichloropropane	6.335	77	15366m	2.033	ug/l	
27) cis-1,2-Dichloroethene	6.352	96	16256m	2.454	ug/l	
28) Bromochloromethane	6.733	49	12928	3.281	ug/l #	47
29) Chloroform	6.945	83	21390	2.258	ug/l	89
30) Cyclohexane	7.279	56	26986m	3.056	ug/l	
31) 1,1,1-Trichloroethane	7.179	97	16062m	2.347	ug/l	
35) 1,1-Dichloropropene	7.427	75	14421	2.295	ug/l #	80
36) Ethyl Acetate	6.480	43	20650m	2.745	ug/l	
37) Carbon Tetrachloride	7.401	117	10821m	2.114	ug/l	
38) Methylcyclohexane	8.880	83	17154m	2.385	ug/l	
39) Benzene	7.696	78	52186	2.306	ug/l	91
40) Methacrylonitrile	6.721	41	13387m	2.863	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.786	62	16329	2.837	ug/l	85
42) Isopropyl Acetate	7.873	43	34019	2.812	ug/l #	61
43) Trichloroethene	8.595	130	11691m	2.686	ug/l	
44) 1,2-Dichloropropane	8.915	63	13256	2.475	ug/l #	85
45) Dibromomethane	9.012	93	7363	2.472	ug/l #	83
46) Bromodichloromethane	9.240	83	13464	2.333	ug/l #	74
47) Methyl methacrylate	9.025	41	13909	2.627	ug/l	95
48) 1,4-Dioxane	9.025	88	6831m	80.100	ug/l	
50) 4-Methyl-2-Pentanone	9.910	43	87738	13.893	ug/l	96
51) Toluene	10.103	92	29096	2.519	ug/l	97
52) t-1,3-Dichloropropene	10.356	75	9820	1.736	ug/l	91
53) cis-1,3-Dichloropropene	9.734	75	13244m	1.952	ug/l	
54) 1,1,2-Trichloroethane	10.562	97	12018	2.849	ug/l #	78
55) Ethyl methacrylate	10.436	69	17475	2.508	ug/l	95
56) 1,3-Dichloropropane	10.725	76	19599	2.727	ug/l #	75
57) 2-Chloroethyl Vinyl ether	9.586	63	6660	17.298	ug/l	91
58) 2-Hexanone	10.789	43	68160	16.010	ug/l	94
59) Dibromochloromethane	10.947	129	7118	1.994	ug/l	88
60) 1,2-Dibromoethane	11.065	107	10085	2.777	ug/l	84
63) Tetrachloroethene	10.645	164	8947	2.706	ug/l #	82
64) Chlorobenzene	11.556	112	31874	2.531	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.656	131	6742	1.960	ug/l #	60
66) Ethyl Benzene	11.656	91	46829	2.227	ug/l	96
67) m/p-Xylenes	11.781	106	37104	4.416	ug/l	98
68) o-Xylene	12.150	106	17421	2.136	ug/l	85
69) Styrene	12.169	104	29019	2.129	ug/l	100
70) Bromoform	12.346	173	4189	2.151	ug/l #	81
72) Isopropylbenzene	12.497	105	46185	2.391	ug/l	97
73) N-amyl acetate	12.291	43	18814	2.457	ug/l #	93
74) 1,1,2,2-Tetrachloroethane	12.785	83	17611	3.108	ug/l	69
75) 1,2,3-Trichloropropane	12.830	75	11284m	2.512	ug/l	
76) Bromobenzene	12.811	156	13240m	2.962	ug/l	
77) n-propylbenzene	12.888	91	54289	2.356	ug/l	99
78) 2-Chlorotoluene	12.978	91	31028	2.373	ug/l	95
79) 1,3,5-Trimethylbenzene	13.045	105	35287m	2.336	ug/l	
80) trans-1,4-Dichloro-2-b...	12.545	75	3013m	1.954	ug/l	
81) 4-Chlorotoluene	13.087	91	33455	2.505	ug/l	72
82) tert-Butylbenzene	13.344	119	31100	2.264	ug/l	98
83) 1,2,4-Trimethylbenzene	13.392	105	35208	2.355	ug/l	97
84) sec-Butylbenzene	13.546	105	48196	2.365	ug/l	81
85) p-Isopropyltoluene	13.674	119	35028	2.109	ug/l	90
86) 1,3-Dichlorobenzene	13.668	146	24225m	2.764	ug/l	
87) 1,4-Dichlorobenzene	13.754	146	26278	2.987	ug/l	93
88) n-Butylbenzene	14.043	91	36286	2.370	ug/l	95
89) Hexachloroethane	14.342	117	5002m	2.097	ug/l	
90) 1,2-Dichlorobenzene	14.098	146	24104m	2.928	ug/l	
91) 1,2-Dibromo-3-Chloropr...	14.794	75	2148m	2.846	ug/l	
92) 1,2,4-Trichlorobenzene	15.548	180	14132m	2.871	ug/l	
93) Hexachlorobutadiene	15.667	225	5091m	3.184	ug/l	
94) Naphthalene	15.831	128	66977	4.441	ug/l #	85
95) 1,2,3-Trichlorobenzene	16.049	180	15453m	3.307	ug/l	

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

