

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026699.D
 Acq On : 4 Aug 2025 16:20
 Operator : SY/MD
 Sample : MDL01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 08:00:27 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	7.304	168	575309	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.331	114	1047606	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.540	117	786324	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.751	152	343379	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.693	65	369310	50.719	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.440%
34) Dibromofluoromethane	7.205	113	314707	48.569	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.140%
49) Toluene-d8	10.042	98	1190082	51.266	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.540%
61) 4-Bromofluorobenzene	12.679	95	322560	48.853	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.670	85	9289	2.215	ug/l	88
3) Chloromethane	1.849	50	16404	2.632	ug/l #	86
4) Vinyl Chloride	1.965	62	16627	2.611	ug/l	93
5) Bromomethane	2.308	94	10903	3.513	ug/l #	69
6) Chloroethane	2.433	64	11733	2.861	ug/l #	85
7) Trichlorofluoromethane	2.719	101	32137	2.799	ug/l	94
8) Diethyl Ether	3.072	74	16575m	3.254	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.393	101	14884	2.403	ug/l #	29
10) Methyl Iodide	3.560	142	12698m	2.125	ug/l	
11) Tert butyl alcohol	4.320	59	14754m	12.951	ug/l	
12) 1,1-Dichloroethene	3.367	96	14100m	2.304	ug/l	
13) Acrolein	3.252	56	6902	4.144	ug/l #	72
14) Allyl chloride	3.900	41	29043m	2.412	ug/l	
15) Acrylonitrile	4.500	53	64601m	14.285	ug/l	
16) Acetone	3.447	43	76159	22.285	ug/l #	85
17) Carbon Disulfide	3.646	76	16759	1.850	ug/l #	82
18) Methyl Acetate	3.906	43	27655m	1.939	ug/l	
19) Methyl tert-butyl Ether	4.574	73	61576m	2.514	ug/l	
20) Methylene Chloride	4.102	84	22838	2.816	ug/l #	93
21) trans-1,2-Dichloroethene	4.538	96	14205	2.111	ug/l	90
22) Diisopropyl ether	5.485	45	72750m	2.579	ug/l	
23) Vinyl Acetate	5.402	43	240709	14.963	ug/l #	87
24) 1,1-Dichloroethane	5.337	63	37429m	2.620	ug/l	
25) 2-Butanone	6.383	43	89659m	16.950	ug/l	
26) 2,2-Dichloropropane	6.364	77	23655m	2.395	ug/l	
27) cis-1,2-Dichloroethene	6.361	96	21689	2.506	ug/l	99
28) Bromochloromethane	6.756	49	17305	3.361	ug/l #	66
29) Chloroform	6.958	83	31315	2.530	ug/l	97
30) Cyclohexane	7.295	56	36181m	3.136	ug/l	
31) 1,1,1-Trichloroethane	7.199	97	22151m	2.478	ug/l	
35) 1,1-Dichloropropene	7.436	75	18752	2.294	ug/l #	51
36) Ethyl Acetate	6.486	43	30105m	3.076	ug/l	
37) Carbon Tetrachloride	7.420	117	13721m	2.061	ug/l	
38) Methylcyclohexane	8.890	83	20749	2.218	ug/l #	82
39) Benzene	7.712	78	71918	2.443	ug/l	100
40) Methacrylonitrile	6.740	41	15721m	2.585	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.805	62	19924	2.661	ug/l	90
42) Isopropyl Acetate	7.879	43	41209	2.619	ug/l	95
43) Trichloroethene	8.610	130	14189	2.506	ug/l	71
44) 1,2-Dichloropropane	8.931	63	17713	2.543	ug/l	90
45) Dibromomethane	9.024	93	9544	2.464	ug/l #	79
46) Bromodichloromethane	9.255	83	15639	2.083	ug/l	85
47) Methyl methacrylate	9.044	41	18354m	2.665	ug/l	
48) 1,4-Dioxane	9.047	88	7361	66.354	ug/l #	25
50) 4-Methyl-2-Pentanone	9.923	43	113085	13.766	ug/l	96
51) Toluene	10.115	92	36960	2.460	ug/l	92
52) t-1,3-Dichloropropene	10.372	75	14291	1.942	ug/l #	86
53) cis-1,3-Dichloropropene	9.753	75	18948	2.147	ug/l	91
54) 1,1,2-Trichloroethane	10.577	97	14742m	2.686	ug/l	
55) Ethyl methacrylate	10.443	69	21258	2.346	ug/l	97
56) 1,3-Dichloropropane	10.738	76	24743	2.647	ug/l	98
57) 2-Chloroethyl Vinyl ether	9.599	63	7441m	14.857	ug/l	
58) 2-Hexanone	10.802	43	78714	14.213	ug/l	99
59) Dibromochloromethane	10.959	129	10529	2.267	ug/l	97
60) 1,2-Dibromoethane	11.081	107	11540	2.443	ug/l	93
63) Tetrachloroethene	10.667	164	10043m	2.338	ug/l	
64) Chlorobenzene	11.569	112	40752	2.490	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.669	131	9896m	2.214	ug/l	
66) Ethyl Benzene	11.669	91	62999	2.306	ug/l	94
67) m/p-Xylenes	11.787	106	47378m	4.340	ug/l	
68) o-Xylene	12.166	106	22300	2.104	ug/l	92
69) Styrene	12.182	104	41509	2.344	ug/l #	68
70) Bromoform	12.358	173	5315m	2.101	ug/l	
72) Isopropylbenzene	12.509	105	60991	2.492	ug/l	96
73) N-amyl acetate	12.310	43	25782	2.657	ug/l	94
74) 1,1,2,2-Tetrachloroethane	12.795	83	18670	2.600	ug/l	96
75) 1,2,3-Trichloropropane	12.849	75	14053m	2.469	ug/l	
76) Bromobenzene	12.824	156	14446	2.551	ug/l	93
77) n-propylbenzene	12.898	91	71046	2.433	ug/l	97
78) 2-Chlorotoluene	12.994	91	43547	2.629	ug/l	96
79) 1,3,5-Trimethylbenzene	13.055	105	44792	2.340	ug/l	96
80) trans-1,4-Dichloro-2-b...	12.551	75	3945m	2.019	ug/l	
81) 4-Chlorotoluene	13.100	91	42493	2.511	ug/l	99
82) tert-Butylbenzene	13.353	119	42784	2.458	ug/l	97
83) 1,2,4-Trimethylbenzene	13.408	105	45913	2.424	ug/l	98
84) sec-Butylbenzene	13.562	105	65737	2.546	ug/l	98
85) p-Isopropyltoluene	13.690	119	48467	2.303	ug/l	87
86) 1,3-Dichlorobenzene	13.677	146	27212	2.451	ug/l	96
87) 1,4-Dichlorobenzene	13.777	146	30179m	2.708	ug/l	
88) n-Butylbenzene	14.056	91	43335	2.234	ug/l	95
89) Hexachloroethane	14.361	117	5721m	1.893	ug/l	
90) 1,2-Dichlorobenzene	14.098	146	28127	2.697	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.794	75	3215m	3.362	ug/l	
92) 1,2,4-Trichlorobenzene	15.567	180	16123	2.585	ug/l	91
93) Hexachlorobutadiene	15.689	225	5046m	2.490	ug/l	
94) Naphthalene	15.843	128	69424	3.633	ug/l	96
95) 1,2,3-Trichlorobenzene	16.078	180	16859m	2.848	ug/l	

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

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