

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026700.D
 Acq On : 4 Aug 2025 16:47
 Operator : SY/MD
 Sample : MDL02
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 07:45:51 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	7.311	168	517176	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.338	114	999127	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.544	117	737654	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.751	152	323821	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.699	65	359569	54.932	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.860%			
34) Dibromofluoromethane	7.215	113	300951	48.700	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.400%			
49) Toluene-d8	10.042	98	1134568	51.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.500%			
61) 4-Bromofluorobenzene	12.680	95	303895	48.260	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.663	85	8421	2.234	ug/l	87
3) Chloromethane	1.846	50	15391	2.747	ug/l #	74
4) Vinyl Chloride	1.965	62	16356	2.857	ug/l	97
5) Bromomethane	2.302	94	10746	3.852	ug/l	86
6) Chloroethane	2.440	64	10799	2.929	ug/l	91
7) Trichlorofluoromethane	2.725	101	32052	3.106	ug/l	91
8) Diethyl Ether	3.085	74	15176	3.314	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.390	101	15120m	2.716	ug/l	
10) Methyl Iodide	3.566	142	10884m	2.026	ug/l	
11) Tert butyl alcohol	4.340	59	14970	14.617	ug/l #	81
12) 1,1-Dichloroethene	3.370	96	13558	2.464	ug/l #	67
13) Acrolein	3.252	56	8170m	5.457	ug/l	
14) Allyl chloride	3.894	41	26734m	2.470	ug/l	
15) Acrylonitrile	4.490	53	67637	16.637	ug/l	97
16) Acetone	3.454	43	58991	19.202	ug/l	88
17) Carbon Disulfide	3.653	76	13589	1.669	ug/l	100
18) Methyl Acetate	3.916	43	28344	2.211	ug/l #	61
19) Methyl tert-butyl Ether	4.574	73	61552m	2.796	ug/l	
20) Methylene Chloride	4.096	84	20466	2.807	ug/l #	84
21) trans-1,2-Dichloroethene	4.551	96	13823	2.286	ug/l	85
22) Diisopropyl ether	5.482	45	66111	2.607	ug/l #	97
23) Vinyl Acetate	5.408	43	233446	16.143	ug/l	99
24) 1,1-Dichloroethane	5.341	63	35684	2.778	ug/l #	89
25) 2-Butanone	6.393	43	81537	17.147	ug/l #	84
26) 2,2-Dichloropropane	6.368	77	21775m	2.452	ug/l	
27) cis-1,2-Dichloroethene	6.368	96	19513	2.508	ug/l	72
28) Bromochloromethane	6.759	49	17166	3.709	ug/l #	62
29) Chloroform	6.980	83	29209	2.625	ug/l #	73
30) Cyclohexane	7.298	56	31077	2.996	ug/l #	49
31) 1,1,1-Trichloroethane	7.179	97	19949m	2.482	ug/l	
35) 1,1-Dichloropropene	7.446	75	17295m	2.218	ug/l	
36) Ethyl Acetate	6.499	43	27474m	2.944	ug/l	
37) Carbon Tetrachloride	7.420	117	14587m	2.297	ug/l	
38) Methylcyclohexane	8.899	83	17045	1.910	ug/l	91
39) Benzene	7.719	78	65064	2.318	ug/l	95
40) Methacrylonitrile	6.737	41	17344m	2.990	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.808	62	18447	2.583	ug/l	92
42) Isopropyl Acetate	7.879	43	41076m	2.737	ug/l	
43) Trichloroethene	8.614	130	12648	2.343	ug/l	95
44) 1,2-Dichloropropane	8.935	63	16034	2.413	ug/l #	82
45) Dibromomethane	9.028	93	9746	2.638	ug/l	94
46) Bromodichloromethane	9.259	83	16888	2.359	ug/l #	80
47) Methyl methacrylate	9.044	41	17749	2.702	ug/l #	90
48) 1,4-Dioxane	9.047	88	6953m	65.718	ug/l	
50) 4-Methyl-2-Pentanone	9.926	43	116159	14.826	ug/l	96
51) Toluene	10.116	92	34594	2.414	ug/l	97
52) t-1,3-Dichloropropene	10.372	75	12888	1.837	ug/l	93
53) cis-1,3-Dichloropropene	9.759	75	19130	2.273	ug/l	89
54) 1,1,2-Trichloroethane	10.574	97	14466	2.764	ug/l #	80
55) Ethyl methacrylate	10.440	69	20965	2.426	ug/l	95
56) 1,3-Dichloropropane	10.741	76	23373	2.622	ug/l	90
57) 2-Chloroethyl Vinyl ether	9.599	63	8585m	17.973	ug/l	
58) 2-Hexanone	10.806	43	77453	14.664	ug/l	99
59) Dibromochloromethane	10.969	129	8984	2.028	ug/l	80
60) 1,2-Dibromoethane	11.081	107	13341	2.962	ug/l	95
63) Tetrachloroethene	10.661	164	8782	2.179	ug/l #	65
64) Chlorobenzene	11.576	112	39267	2.558	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.659	131	8049	1.920	ug/l	73
66) Ethyl Benzene	11.669	91	57650	2.249	ug/l	91
67) m/p-Xylenes	11.794	106	44723m	4.367	ug/l	
68) o-Xylene	12.169	106	23444	2.358	ug/l	96
69) Styrene	12.185	104	38815	2.336	ug/l	97
70) Bromoform	12.371	173	4926	2.076	ug/l #	63
72) Isopropylbenzene	12.506	105	56335	2.441	ug/l	99
73) N-amyl acetate	12.314	43	26354	2.880	ug/l #	79
74) 1,1,2,2-Tetrachloroethane	12.792	83	19396	2.864	ug/l	92
75) 1,2,3-Trichloropropane	12.856	75	12020m	2.239	ug/l	
76) Bromobenzene	12.824	156	13422	2.513	ug/l	82
77) n-propylbenzene	12.898	91	65009	2.361	ug/l	96
78) 2-Chlorotoluene	12.988	91	40063	2.564	ug/l	92
79) 1,3,5-Trimethylbenzene	13.061	105	40901	2.266	ug/l	96
80) trans-1,4-Dichloro-2-b...	12.558	75	3840m	2.084	ug/l	
81) 4-Chlorotoluene	13.106	91	38991	2.443	ug/l	91
82) tert-Butylbenzene	13.353	119	40960	2.495	ug/l #	63
83) 1,2,4-Trimethylbenzene	13.405	105	37945	2.124	ug/l	88
84) sec-Butylbenzene	13.559	105	54641	2.244	ug/l	100
85) p-Isopropyltoluene	13.694	119	43772	2.205	ug/l	87
86) 1,3-Dichlorobenzene	13.681	146	25730	2.457	ug/l	90
87) 1,4-Dichlorobenzene	13.774	146	24909	2.370	ug/l	85
88) n-Butylbenzene	14.063	91	43394	2.372	ug/l	96
89) Hexachloroethane	14.364	117	5134m	1.801	ug/l	
90) 1,2-Dichlorobenzene	14.098	146	24663	2.508	ug/l	96
91) 1,2-Dibromo-3-Chloropr...	14.807	75	2166m	2.402	ug/l	
92) 1,2,4-Trichlorobenzene	15.564	180	14588	2.481	ug/l	83
93) Hexachlorobutadiene	15.699	225	4708m	2.464	ug/l	
94) Naphthalene	15.853	128	60912m	3.380	ug/l	
95) 1,2,3-Trichlorobenzene	16.068	180	15161	2.715	ug/l	94

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

