

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080725\
 Data File : VR026728.D
 Acq On : 7 Aug 2025 15:28
 Operator : SY/MD
 Sample : Q2126-07
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Aug 08 01:42:33 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.288	168	357791	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.315	114	632514	50.000	ug/l	-0.02
62) Chlorobenzene-d5	11.531	117	504529	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.735	152	235105	50.000	ug/l	-0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.673	65	221431	48.898	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
34) Dibromofluoromethane	7.192	113	184933	47.271	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.540%
49) Toluene-d8	10.026	98	760824	54.283	ug/l	-0.01
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.560%
61) 4-Bromofluorobenzene	12.666	95	199595	50.068	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.663	85	5048	1.936	ug/l	96
3) Chloromethane	1.840	50	8768	2.262	ug/l	98
4) Vinyl Chloride	1.952	62	11617	2.933	ug/l #	71
5) Bromomethane	2.292	94	6740m	3.492	ug/l	
6) Chloroethane	2.417	64	6489m	2.544	ug/l	
7) Trichlorofluoromethane	2.709	101	21688	3.038	ug/l	96
8) Diethyl Ether	3.072	74	6807	2.149	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.367	101	8949m	2.324	ug/l	
10) Methyl Iodide	3.544	142	7132	1.919	ug/l	91
11) Tert butyl alcohol	4.320	59	7613m	10.745	ug/l	
12) 1,1-Dichloroethene	3.354	96	9339m	2.454	ug/l	
13) Acrolein	3.239	56	5629	5.435	ug/l	92
14) Allyl chloride	3.877	41	14459m	1.931	ug/l	
15) Acrylonitrile	4.471	53	34997	12.444	ug/l #	52
16) Acetone	3.441	43	43012	20.237	ug/l #	83
17) Carbon Disulfide	3.630	76	7950	1.411	ug/l #	95
18) Methyl Acetate	3.890	43	15227m	1.717	ug/l	
19) Methyl tert-butyl Ether	4.542	73	29357m	1.927	ug/l	
20) Methylene Chloride	4.083	84	15286	3.031	ug/l #	71
21) trans-1,2-Dichloroethene	4.532	96	7640m	1.826	ug/l	
22) Diisopropyl ether	5.456	45	38286m	2.182	ug/l	
23) Vinyl Acetate	5.379	43	112025	11.197	ug/l #	90
24) 1,1-Dichloroethane	5.328	63	20228m	2.276	ug/l	
25) 2-Butanone	6.371	43	48048	14.606	ug/l #	76
26) 2,2-Dichloropropane	6.358	77	10592m	1.724	ug/l	
27) cis-1,2-Dichloroethene	6.329	96	11890m	2.209	ug/l	
28) Bromochloromethane	6.743	49	10434m	3.259	ug/l	
29) Chloroform	6.948	83	18559m	2.411	ug/l	
30) Cyclohexane	7.276	56	20636m	2.876	ug/l	
31) 1,1,1-Trichloroethane	7.166	97	11856m	2.132	ug/l	
35) 1,1-Dichloropropene	7.413	75	11230m	2.275	ug/l	
36) Ethyl Acetate	6.467	43	18300m	3.097	ug/l	
37) Carbon Tetrachloride	7.397	117	8858m	2.204	ug/l	
38) Methylcyclohexane	8.867	83	10220	1.809	ug/l #	71
39) Benzene	7.699	78	40970	2.305	ug/l	91
40) Methacrylonitrile	6.711	41	9347m	2.546	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.776	62	11805m	2.611	ug/l	
42) Isopropyl Acetate	7.853	43	19755m	2.079	ug/l	
43) Trichloroethene	8.588	130	9781m	2.862	ug/l	
44) 1,2-Dichloropropane	8.915	63	10310m	2.451	ug/l	
45) Dibromomethane	9.015	93	6452	2.758	ug/l	94
46) Bromodichloromethane	9.239	83	10135m	2.236	ug/l	
47) Methyl methacrylate	9.018	41	9839	2.366	ug/l #	23
48) 1,4-Dioxane	9.040	88	3751m	56.002	ug/l	
50) 4-Methyl-2-Pentanone	9.910	43	69787	14.070	ug/l	96
51) Toluene	10.096	92	22817	2.515	ug/l	94
52) t-1,3-Dichloropropene	10.362	75	7344	1.653	ug/l #	71
53) cis-1,3-Dichloropropene	9.740	75	10207m	1.916	ug/l	
54) 1,1,2-Trichloroethane	10.568	97	9862	2.976	ug/l	97
55) Ethyl methacrylate	10.430	69	12061	2.204	ug/l	91
56) 1,3-Dichloropropane	10.732	76	16152	2.862	ug/l	95
57) 2-Chloroethyl Vinyl ether	9.573	63	5904m	19.524	ug/l	
58) 2-Hexanone	10.792	43	49898	14.923	ug/l	99
59) Dibromochloromethane	10.953	129	5977	2.131	ug/l	79
60) 1,2-Dibromoethane	11.068	107	7385	2.590	ug/l	91
63) Tetrachloroethene	10.654	164	6832m	2.479	ug/l	
64) Chlorobenzene	11.566	112	26319	2.507	ug/l #	84
65) 1,1,1,2-Tetrachloroethane	11.652	131	4985m	1.738	ug/l	
66) Ethyl Benzene	11.652	91	36844	2.101	ug/l #	84
67) m/p-Xylenes	11.774	106	28579	4.080	ug/l	99
68) o-Xylene	12.153	106	13803	2.030	ug/l	97
69) Styrene	12.172	104	24484	2.155	ug/l	99
70) Bromoform	12.349	173	4026	2.480	ug/l #	94
72) Isopropylbenzene	12.493	105	37557	2.241	ug/l	74
73) N-amyl acetate	12.297	43	14702	2.213	ug/l #	83
74) 1,1,2,2-Tetrachloroethane	12.785	83	14304	2.909	ug/l #	26
75) 1,2,3-Trichloropropane	12.837	75	9080m	2.330	ug/l	
76) Bromobenzene	12.814	156	10588m	2.730	ug/l	
77) n-propylbenzene	12.881	91	46339	2.318	ug/l	98
78) 2-Chlorotoluene	12.978	91	25097m	2.213	ug/l	
79) 1,3,5-Trimethylbenzene	13.042	105	26152	1.996	ug/l	94
80) trans-1,4-Dichloro-2-b...	12.551	75	2114m	1.580	ug/l	
81) 4-Chlorotoluene	13.087	91	27138	2.342	ug/l	94
82) tert-Butylbenzene	13.344	119	27665	2.321	ug/l #	89
83) 1,2,4-Trimethylbenzene	13.395	105	28313	2.183	ug/l	98
84) sec-Butylbenzene	13.549	105	41079	2.324	ug/l	97
85) p-Isopropyltoluene	13.671	119	32922	2.284	ug/l	89
86) 1,3-Dichlorobenzene	13.664	146	19259	2.533	ug/l	94
87) 1,4-Dichlorobenzene	13.761	146	22144	2.902	ug/l	92
88) n-Butylbenzene	14.046	91	29355	2.210	ug/l	98
89) Hexachloroethane	14.338	117	3968m	1.917	ug/l	
90) 1,2-Dichlorobenzene	14.094	146	19514	2.733	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	14.778	75	2512m	3.837	ug/l	
92) 1,2,4-Trichlorobenzene	15.564	180	12881m	3.017	ug/l	
93) Hexachlorobutadiene	15.676	225	4341m	3.129	ug/l	
94) Naphthalene	15.827	128	56234	4.298	ug/l #	87
95) 1,2,3-Trichlorobenzene	16.052	180	12775	3.152	ug/l #	85

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

