

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR081125\
 Data File : VR026736.D
 Acq On : 11 Aug 2025 13:01
 Operator : SY/MD
 Sample : Q2126-07
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 12 03:02:15 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	7.295	168	344547	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.325	114	614767	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.540	117	487279	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.741	152	222286	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.686	65	203519	46.670	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.340%
34) Dibromofluoromethane	7.202	113	176061m	46.303	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.600%
49) Toluene-d8	10.032	98	696083	51.098	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.200%
61) 4-Bromofluorobenzene	12.676	95	183890	47.460	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.663	85	5453	2.172	ug/l	95
3) Chloromethane	1.840	50	8618	2.309	ug/l	95
4) Vinyl Chloride	1.962	62	9263	2.428	ug/l #	81
5) Bromomethane	2.302	94	6877	3.700	ug/l #	58
6) Chloroethane	2.424	64	6266	2.551	ug/l #	73
7) Trichlorofluoromethane	2.716	101	23414m	3.406	ug/l	
8) Diethyl Ether	3.078	74	6410m	2.101	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.377	101	7880m	2.125	ug/l	
10) Methyl Iodide	3.544	142	6415m	1.792	ug/l	
11) Tert butyl alcohol	4.323	59	7539m	11.050	ug/l	
12) 1,1-Dichloroethene	3.361	96	7691	2.098	ug/l #	70
13) Acrolein	3.245	56	40802	40.910	ug/l	98
14) Allyl chloride	3.884	41	15443m	2.142	ug/l	
15) Acrylonitrile	4.474	53	33319m	12.302	ug/l	
16) Acetone	3.447	43	40847m	19.957	ug/l	
17) Carbon Disulfide	3.633	76	7775m	1.433	ug/l	
18) Methyl Acetate	3.890	43	14647m	1.715	ug/l	
19) Methyl tert-butyl Ether	4.548	73	28079m	1.914	ug/l	
20) Methylene Chloride	4.083	84	11538	2.375	ug/l #	71
21) trans-1,2-Dichloroethene	4.525	96	7546m	1.873	ug/l	
22) Diisopropyl ether	5.466	45	34096m	2.018	ug/l	
23) Vinyl Acetate	5.392	43	106050	11.008	ug/l #	92
24) 1,1-Dichloroethane	5.341	63	17177m	2.007	ug/l	
25) 2-Butanone	6.380	43	42259m	13.340	ug/l	
26) 2,2-Dichloropropane	6.335	77	10017m	1.693	ug/l	
27) cis-1,2-Dichloroethene	6.355	96	10593m	2.044	ug/l	
28) Bromochloromethane	6.743	49	8150	2.643	ug/l #	51
29) Chloroform	6.948	83	17008m	2.295	ug/l	
30) Cyclohexane	7.279	56	18992	2.748	ug/l #	78
31) 1,1,1-Trichloroethane	7.179	97	10992m	2.053	ug/l	
35) 1,1-Dichloropropene	7.426	75	10592m	2.208	ug/l	
36) Ethyl Acetate	6.480	43	15467m	2.693	ug/l	
37) Carbon Tetrachloride	7.417	117	7632m	1.954	ug/l	
38) Methylcyclohexane	8.883	83	9268m	1.688	ug/l	
39) Benzene	7.712	78	34573	2.001	ug/l #	76
40) Methacrylonitrile	6.727	41	8824m	2.472	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.789	62	10055	2.288	ug/l	85
42) Isopropyl Acetate	7.869	43	18942	2.051	ug/l #	84
43) Trichloroethene	8.604	130	7219	2.173	ug/l	50
44) 1,2-Dichloropropane	8.912	63	9015	2.205	ug/l #	88
45) Dibromomethane	9.024	93	5838m	2.568	ug/l	
46) Bromodichloromethane	9.246	83	9862m	2.239	ug/l	
47) Methyl methacrylate	9.024	41	9032m	2.235	ug/l	
48) 1,4-Dioxane	9.031	88	4174m	64.117	ug/l	
50) 4-Methyl-2-Pentanone	9.916	43	58495	12.134	ug/l	100
51) Toluene	10.109	92	18475	2.095	ug/l #	58
52) t-1,3-Dichloropropene	10.362	75	7082m	1.640	ug/l	
53) cis-1,3-Dichloropropene	9.740	75	8671	1.674	ug/l #	75
54) 1,1,2-Trichloroethane	10.571	97	8769	2.723	ug/l #	81
55) Ethyl methacrylate	10.430	69	10273m	1.932	ug/l	
56) 1,3-Dichloropropane	10.735	76	13332	2.430	ug/l #	72
57) 2-Chloroethyl Vinyl ether	9.586	63	4679m	15.920	ug/l	
58) 2-Hexanone	10.796	43	43171	13.284	ug/l	95
59) Dibromochloromethane	10.956	129	6533	2.397	ug/l #	44
60) 1,2-Dibromoethane	11.072	107	6028	2.175	ug/l	95
63) Tetrachloroethene	10.655	164	5926m	2.226	ug/l	
64) Chlorobenzene	11.566	112	23516	2.319	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.649	131	6480	2.339	ug/l #	30
66) Ethyl Benzene	11.662	91	34263	2.023	ug/l	96
67) m/p-Xylenes	11.790	106	27830	4.114	ug/l	85
68) o-Xylene	12.153	106	14182	2.160	ug/l	88
69) Styrene	12.179	104	19562	1.783	ug/l #	85
70) Bromoform	12.358	173	3457m	2.205	ug/l	
72) Isopropylbenzene	12.503	105	30490	1.924	ug/l	96
73) N-amyl acetate	12.304	43	12651	2.014	ug/l #	95
74) 1,1,2,2-Tetrachloroethane	12.788	83	11869	2.553	ug/l	93
75) 1,2,3-Trichloropropane	12.846	75	5237m	1.421	ug/l	
76) Bromobenzene	12.817	156	8366	2.282	ug/l #	50
77) n-propylbenzene	12.894	91	39703	2.100	ug/l	100
78) 2-Chlorotoluene	12.984	91	21872	2.039	ug/l	83
79) 1,3,5-Trimethylbenzene	13.055	105	24858	2.006	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.554	75	2065m	1.632	ug/l	
81) 4-Chlorotoluene	13.100	91	23761	2.169	ug/l	87
82) tert-Butylbenzene	13.356	119	21982	1.951	ug/l #	40
83) 1,2,4-Trimethylbenzene	13.401	105	23453	1.912	ug/l	88
84) sec-Butylbenzene	13.549	105	33072	1.979	ug/l	93
85) p-Isopropyltoluene	13.677	119	26702	1.960	ug/l	91
86) 1,3-Dichlorobenzene	13.671	146	18828m	2.619	ug/l	
87) 1,4-Dichlorobenzene	13.764	146	19841m	2.750	ug/l	
88) n-Butylbenzene	14.056	91	27719	2.207	ug/l	94
89) Hexachloroethane	14.354	117	3672m	1.877	ug/l	
90) 1,2-Dichlorobenzene	14.094	146	18026	2.670	ug/l	86
91) 1,2-Dibromo-3-Chloropr...	14.788	75	2326m	3.758	ug/l	
92) 1,2,4-Trichlorobenzene	15.555	180	11075	2.743	ug/l #	39
93) Hexachlorobutadiene	15.683	225	4234m	3.228	ug/l	
94) Naphthalene	15.837	128	45188	3.653	ug/l #	81
95) 1,2,3-Trichlorobenzene	16.058	180	10446	2.726	ug/l	81

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

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