

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082125\
 Data File : VR026754.D
 Acq On : 21 Aug 2025 13:36
 Operator : SY/MD
 Sample : Q2893-07
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Quant Time: Aug 22 06:55:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 06:50:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.388	168	1678942	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.392	114	2852335	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.566	117	2105403	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.764	152	611538	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.773	65	960796	45.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.140%		
34) Dibromofluoromethane	7.295	113	813164	43.711	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.420%		
49) Toluene-d8	10.074	98	3057572	49.026	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.060%		
61) 4-Bromofluorobenzene	12.695	95	684844	38.702	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	77.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.824	85	45405	2.862	ug/l	83
3) Chloromethane	1.821	50	5616m	2.975	ug/l	
4) Vinyl Chloride	2.125	62	77303	2.961	ug/l	100
5) Bromomethane	2.453	94	46524m	5.805	ug/l	
6) Chloroethane	2.587	64	47972	3.220	ug/l	99
7) Trichlorofluoromethane	2.879	101	145363	2.872	ug/l	92
8) Diethyl Ether	3.236	74	43918	2.713	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.553	101	57499m	2.843	ug/l	
10) Methyl Iodide	3.717	142	52553	2.445	ug/l #	75
11) Tert butyl alcohol	4.506	59	27241m	8.404	ug/l	
12) 1,1-Dichloroethene	3.524	96	59861m	2.728	ug/l	
13) Acrolein	3.419	56	49509m	22.099	ug/l	
14) Allyl chloride	4.047	41	96212m	2.379	ug/l	
15) Acrylonitrile	4.670	53	147458	10.637	ug/l #	90
16) Acetone	3.611	43	165785	14.855	ug/l	92
17) Carbon Disulfide	3.816	76	124795	2.342	ug/l	96
18) Methyl Acetate	4.070	43	69014	2.123	ug/l #	83
19) Methyl tert-butyl Ether	4.718	73	164260	2.360	ug/l	95
20) Methylene Chloride	4.259	84	71992	3.024	ug/l	95
21) trans-1,2-Dichloroethene	4.712	96	59609	2.598	ug/l	90
22) Diisopropyl ether	5.620	45	213479	2.566	ug/l	95
23) Vinyl Acetate	5.546	43	808323	14.649	ug/l #	72
24) 1,1-Dichloroethane	5.491	63	107270	2.620	ug/l #	94
25) 2-Butanone	6.502	43	202406	11.681	ug/l #	84
26) 2,2-Dichloropropane	6.477	77	61912	2.207	ug/l #	58
27) cis-1,2-Dichloroethene	6.483	96	63579	2.448	ug/l	99
28) Bromochloromethane	6.868	49	37757	3.116	ug/l #	18
29) Chloroform	7.057	83	92010	2.501	ug/l	88
30) Cyclohexane	7.378	56	144177	3.339	ug/l #	76
31) 1,1,1-Trichloroethane	7.276	97	73131	2.448	ug/l	95
35) 1,1-Dichloropropene	7.520	75	68815	2.375	ug/l	99
36) Ethyl Acetate	6.602	43	74929m	2.022	ug/l	
37) Carbon Tetrachloride	7.503	117	52920	2.030	ug/l #	87
38) Methylcyclohexane	8.941	83	84334	2.326	ug/l	91
39) Benzene	7.789	78	236035	2.654	ug/l #	86
40) Methacrylonitrile	6.849	41	35993	1.862	ug/l	92

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41) 1,2-Dichloroethane	7.872	62	58216	2.361	ug/l #	72
42) Isopropyl Acetate	7.946	43	103992	1.979	ug/l #	82
43) Trichloroethene	8.665	130	46329	2.388	ug/l	94
44) 1,2-Dichloropropane	8.980	63	48096	2.259	ug/l	100
45) Dibromomethane	9.073	93	29685	2.195	ug/l	97
46) Bromodichloromethane	9.294	83	52177	2.072	ug/l	90
47) Methyl methacrylate	9.082	41	45050	1.757	ug/l	97
48) 1,4-Dioxane	9.092	88	12643m	38.375	ug/l	
50) 4-Methyl-2-Pentanone	9.961	43	286077	11.013	ug/l #	72
51) Toluene	10.148	92	125551	2.472	ug/l	87
52) t-1,3-Dichloropropene	10.401	75	40659	1.705	ug/l	93
53) cis-1,3-Dichloropropene	9.788	75	56232	1.944	ug/l	94
54) 1,1,2-Trichloroethane	10.603	97	37915	2.103	ug/l	94
55) Ethyl methacrylate	10.462	69	56660	1.827	ug/l	100
56) 1,3-Dichloropropane	10.770	76	67898	2.235	ug/l	97
57) 2-Chloroethyl Vinyl ether	9.631	63	4323	2.602	ug/l #	68
58) 2-Hexanone	10.831	43	168669	9.500	ug/l	81
59) Dibromochloromethane	10.988	129	30634	1.807	ug/l	100
60) 1,2-Dibromoethane	11.107	107	33707	2.069	ug/l	94
63) Tetrachloroethene	10.683	164	37296	2.521	ug/l #	75
64) Chlorobenzene	11.595	112	124012	2.647	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.685	131	29653	1.885	ug/l	90
66) Ethyl Benzene	11.685	91	203792	2.602	ug/l #	74
67) m/p-Xylenes	11.813	106	160082	4.884	ug/l #	73
68) o-Xylene	12.182	106	74046	2.229	ug/l	95
69) Styrene	12.201	104	103898	2.126	ug/l	91
70) Bromoform	12.381	173	13808	1.628	ug/l #	98
72) Isopropylbenzene	12.529	105	185215	2.790	ug/l	90
73) N-amyl acetate	12.326	43	37650	1.571	ug/l #	93
74) 1,1,2,2-Tetrachloroethane	12.805	83	43430	2.285	ug/l	97
75) 1,2,3-Trichloropropane	12.862	75	33476m	2.221	ug/l	
76) Bromobenzene	12.833	156	33220	2.286	ug/l	90
77) n-propylbenzene	12.910	91	188080	2.643	ug/l	90
78) 2-Chlorotoluene	13.010	91	100338	2.387	ug/l	96
79) 1,3,5-Trimethylbenzene	13.074	105	113455	2.289	ug/l	94
80) trans-1,4-Dichloro-2-b...	12.577	75	6281m	1.271	ug/l	
81) 4-Chlorotoluene	13.116	91	85708	2.226	ug/l	99
82) tert-Butylbenzene	13.366	119	108955	2.351	ug/l	91
83) 1,2,4-Trimethylbenzene	13.417	105	94136	2.083	ug/l	96
84) sec-Butylbenzene	13.568	105	139783	2.345	ug/l	96
85) p-Isopropyltoluene	13.703	119	99089	2.139	ug/l	95
86) 1,3-Dichlorobenzene	13.697	146	52414	2.429	ug/l	96
87) 1,4-Dichlorobenzene	13.783	146	55693	2.679	ug/l	88
88) n-Butylbenzene	14.072	91	81603	2.466	ug/l	98
89) Hexachloroethane	14.367	117	13959	1.858	ug/l	64
90) 1,2-Dichlorobenzene	14.111	146	50456	2.784	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.813	75	3742m	1.986	ug/l	
92) 1,2,4-Trichlorobenzene	15.577	180	31566	2.651	ug/l	98
93) Hexachlorobutadiene	15.693	225	11651m	2.969	ug/l	
94) Naphthalene	15.863	128	78727	2.312	ug/l #	95
95) 1,2,3-Trichlorobenzene	16.084	180	30668	2.655	ug/l	94

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

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