

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048705.D
 Acq On : 03 Dec 2025 15:07
 Operator : JC/MD
 Sample : Q2893-07 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 04 02:46:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 02:13:49 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

12/04/2025
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	181931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	341394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	136410	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	139393	56.748	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.500%	
35) Dibromofluoromethane	5.367	113	107648	46.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 92.520%	
50) Toluene-d8	8.629	98	392008	49.126	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.260%	
62) 4-Bromofluorobenzene	11.061	95	137483	46.948	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.900%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	1084	0.517	ug/l	91
3) Chloromethane	1.301	50	1139	0.557	ug/l #	87
4) Vinyl Chloride	1.380	62	1267	0.566	ug/l	96
5) Bromomethane	1.618	94	1229	0.826	ug/l #	77
6) Chloroethane	1.697	64	688	0.519	ug/l	92
7) Trichlorofluoromethane	1.892	101	1687	0.518	ug/l	90
8) Diethyl Ether	2.130	74	556	0.480	ug/l	65
9) 1,1,2-Trichlorotrifluo...	2.325	101	1138	0.587	ug/l	92
10) Methyl Iodide	2.459	142	2077	0.743	ug/l	98
11) Tert butyl alcohol	2.928	59	1285	3.459	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	1092	0.566	ug/l	91
13) Acrolein	2.233	56	597	2.972	ug/l	99
14) Allyl chloride	2.666	41	2085	0.571	ug/l	91
15) Acrylonitrile	3.069	53	3128	2.649	ug/l	95
16) Acetone	2.374	43	2441	3.041	ug/l	97
17) Carbon Disulfide	2.514	76	4566	0.778	ug/l #	80
18) Methyl Acetate	2.691	43	1751	0.659	ug/l #	78
19) Methyl tert-butyl Ether	3.105	73	3556	0.541	ug/l #	86
20) Methylene Chloride	2.788	84	1289	0.575	ug/l #	91
21) trans-1,2-Dichloroethene	3.093	96	1221	0.614	ug/l #	72
22) Diisopropyl ether	3.745	45	3500	0.536	ug/l #	72
23) Vinyl Acetate	3.721	43	12390	2.182	ug/l	99
24) 1,1-Dichloroethane	3.605	63	2080	0.559	ug/l #	82
25) 2-Butanone	4.556	43	3425	2.450	ug/l	95
26) 2,2-Dichloropropane	4.459	77	1926	0.561	ug/l #	75
27) cis-1,2-Dichloroethene	4.489	96	1319	0.529	ug/l	67
28) Bromochloromethane	4.879	49	808	0.452	ug/l #	97
29) Tetrahydrofuran	4.995	42	2457	2.308	ug/l #	74
30) Chloroform	5.080	83	2058m	0.522	ug/l	
31) Cyclohexane	5.458	56	1555	0.491	ug/l	88
32) 1,1,1-Trichloroethane	5.355	97	1889	0.533	ug/l #	51
36) 1,1-Dichloropropene	5.678	75	1793	0.570	ug/l #	79
37) Ethyl Acetate	4.721	43	2004m	0.502	ug/l	
38) Carbon Tetrachloride	5.672	117	1640	0.454	ug/l #	80
39) Methylcyclohexane	7.361	83	1998	0.546	ug/l	96
40) Benzene	6.031	78	4765	0.516	ug/l	91

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41) Methacrylonitrile	4.934	41	699m	0.387	ug/l	
42) 1,2-Dichloroethane	6.080	62	1749	0.527	ug/l #	73
43) Isopropyl Acetate	6.330	43	2665	0.475	ug/l #	77
44) Trichloroethene	7.098	130	1254	0.515	ug/l	76
45) 1,2-Dichloropropane	7.415	63	1157	0.512	ug/l	96
46) Dibromomethane	7.580	93	980	0.564	ug/l	90
47) Bromodichloromethane	7.806	83	1772	0.497	ug/l #	96
48) Methyl methacrylate	7.684	41	1183	0.442	ug/l	91
49) 1,4-Dioxane	7.690	88	222m	6.763	ug/l	
51) 4-Methyl-2-Pentanone	8.555	43	7467	2.113	ug/l	94
52) Toluene	8.696	92	2724	0.480	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	1778	0.501	ug/l #	87
54) cis-1,3-Dichloropropene	8.354	75	1759	0.468	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	1130	0.503	ug/l #	72
56) Ethyl methacrylate	9.104	69	1323	0.367	ug/l #	72
57) 1,3-Dichloropropane	9.299	76	1851	0.489	ug/l	90
58) 2-Chloroethyl Vinyl ether	8.232	63	4038	2.185	ug/l	98
59) 2-Hexanone	9.421	43	5221	2.059	ug/l	99
60) Dibromochloromethane	9.506	129	1197	0.427	ug/l	80
61) 1,2-Dibromoethane	9.604	107	1012	0.407	ug/l	89
64) Tetrachloroethene	9.257	164	1112	0.560	ug/l	95
65) Chlorobenzene	10.061	112	3261	0.533	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.147	131	1054	0.495	ug/l #	63
67) Ethyl Benzene	10.177	91	5198	0.517	ug/l	97
68) m/p-Xylenes	10.287	106	3866	0.998	ug/l	100
69) o-Xylene	10.628	106	1660	0.445	ug/l	89
70) Styrene	10.647	104	2853	0.455	ug/l #	90
71) Bromoform	10.787	173	1090	0.562	ug/l #	98
73) Isopropylbenzene	10.945	105	4715	0.517	ug/l	98
74) N-amyl acetate	10.829	43	1994	0.484	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.195	83	1673	0.536	ug/l	97
76) 1,2,3-Trichloropropane	11.226	75	1240m	0.452	ug/l	
77) Bromobenzene	11.183	156	1363	0.555	ug/l	86
78) n-propylbenzene	11.287	91	6107	0.572	ug/l	92
79) 2-Chlorotoluene	11.348	91	3622	0.558	ug/l	93
80) 1,3,5-Trimethylbenzene	11.433	105	3854	0.517	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.006	75	403m	0.378	ug/l	
82) 4-Chlorotoluene	11.439	91	4220	0.559	ug/l	94
83) tert-Butylbenzene	11.701	119	4062	0.525	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	3888	0.523	ug/l	96
85) sec-Butylbenzene	11.872	105	4774	0.510	ug/l	100
86) p-Isopropyltoluene	11.994	119	4219	0.545	ug/l #	87
87) 1,3-Dichlorobenzene	11.951	146	2610	0.584	ug/l	93
88) 1,4-Dichlorobenzene	12.024	146	2841m	0.622	ug/l	
89) n-Butylbenzene	12.317	91	4251	0.583	ug/l	99
90) Hexachloroethane	12.518	117	898	0.577	ug/l	87
91) 1,2-Dichlorobenzene	12.317	146	2436	0.585	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.927	75	225	0.317	ug/l #	49
93) 1,2,4-Trichlorobenzene	13.573	180	1775	0.670	ug/l	97
94) Hexachlorobutadiene	13.707	225	931	0.843	ug/l	91
95) Naphthalene	13.762	128	3934	0.486	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	1777	0.726	ug/l	88

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

