

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048704.D
 Acq On : 03 Dec 2025 14:38
 Operator : JC/MD
 Sample : Q2893-07 0.2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Dec 04 02:45:34 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 12/04/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	173235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	305450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	277496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	143799	61.481	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	= 122.960%#	
35) Dibromofluoromethane	5.367	113	111602	53.605	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.200%	
50) Toluene-d8	8.629	98	378140	52.965	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.920%	
62) 4-Bromofluorobenzene	11.061	95	140521	53.632	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	446	0.223	ug/l	97
3) Chloromethane	1.301	50	677	0.348	ug/l #	80
4) Vinyl Chloride	1.380	62	625	0.293	ug/l #	71
5) Bromomethane	1.624	94	734	0.518	ug/l	93
6) Chloroethane	1.697	64	339	0.268	ug/l	90
7) Trichlorofluoromethane	1.904	101	798	0.258	ug/l	86
8) Diethyl Ether	2.130	74	252	0.228	ug/l #	8
9) 1,1,2-Trichlorotrifluo...	2.331	101	549	0.297	ug/l	90
10) Methyl Iodide	2.465	142	1479	0.556	ug/l #	98
11) Tert butyl alcohol	2.947	59	402	1.136	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	438	0.239	ug/l #	90
13) Acrolein	2.233	56	308	1.610	ug/l #	70
14) Allyl chloride	2.666	41	923	0.266	ug/l	100
15) Acrylonitrile	3.062	53	1321	1.175	ug/l	99
16) Acetone	2.380	43	1563	2.045	ug/l	89
17) Carbon Disulfide	2.514	76	2951	0.528	ug/l #	93
18) Methyl Acetate	2.703	43	740	0.292	ug/l #	60
19) Methyl tert-butyl Ether	3.105	73	1536	0.246	ug/l	94
20) Methylene Chloride	2.782	84	626	0.293	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	696	0.367	ug/l #	78
22) Diisopropyl ether	3.757	45	1556	0.250	ug/l #	68
23) Vinyl Acetate	3.721	43	5272	0.975	ug/l	98
24) 1,1-Dichloroethane	3.611	63	928m	0.262	ug/l	
25) 2-Butanone	4.574	43	1840m	1.382	ug/l	
26) 2,2-Dichloropropane	4.465	77	839	0.257	ug/l #	58
27) cis-1,2-Dichloroethene	4.477	96	555	0.234	ug/l	96
29) Tetrahydrofuran	5.013	42	1379m	1.360	ug/l	
30) Chloroform	5.093	83	1091m	0.291	ug/l	
31) Cyclohexane	5.452	56	750	0.249	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	850	0.252	ug/l #	46
36) 1,1-Dichloropropene	5.672	75	1118	0.397	ug/l #	53
37) Ethyl Acetate	4.708	43	956m	0.268	ug/l	
38) Carbon Tetrachloride	5.635	117	965m	0.299	ug/l	
39) Methylcyclohexane	7.354	83	1164	0.355	ug/l #	81
40) Benzene	6.025	78	2329	0.282	ug/l #	88
41) Methacrylonitrile	4.922	41	426m	0.264	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.074	62	912	0.307	ug/l #	73
43) Isopropyl Acetate	6.324	43	1037	0.207	ug/l #	68
44) Trichloroethene	7.117	130	718	0.330	ug/l	41
45) 1,2-Dichloropropane	7.409	63	556m	0.275	ug/l	
46) Dibromomethane	7.562	93	483	0.311	ug/l #	79
47) Bromodichloromethane	7.812	83	782	0.245	ug/l #	82
48) Methyl methacrylate	7.696	41	602m	0.251	ug/l	
49) 1,4-Dioxane	7.665	88	58	1.975	ug/l #	37
51) 4-Methyl-2-Pentanone	8.561	43	3522	1.114	ug/l	91
52) Toluene	8.696	92	1373	0.271	ug/l	78
53) t-1,3-Dichloropropene	8.970	75	821	0.259	ug/l #	70
54) cis-1,3-Dichloropropene	8.360	75	911	0.271	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	543	0.270	ug/l #	68
56) Ethyl methacrylate	9.104	69	670	0.208	ug/l #	76
57) 1,3-Dichloropropane	9.299	76	759	0.224	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.238	63	1377	0.833	ug/l #	84
59) 2-Hexanone	9.421	43	2644	1.166	ug/l	89
60) Dibromochloromethane	9.506	129	696	0.277	ug/l	98
61) 1,2-Dibromoethane	9.598	107	523	0.235	ug/l	100
64) Tetrachloroethene	9.263	164	782	0.410	ug/l #	72
65) Chlorobenzene	10.061	112	1600	0.272	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.140	131	556	0.272	ug/l #	63
67) Ethyl Benzene	10.183	91	2766	0.286	ug/l	93
68) m/p-Xylenes	10.287	106	2305	0.620	ug/l	97
69) o-Xylene	10.622	106	1004	0.280	ug/l	93
70) Styrene	10.640	104	1783	0.296	ug/l	95
71) Bromoform	10.787	173	583	0.313	ug/l #	99
73) Isopropylbenzene	10.945	105	2712	0.286	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.189	83	763	0.235	ug/l #	94
76) 1,2,3-Trichloropropane	11.220	75	719m	0.252	ug/l	
77) Bromobenzene	11.183	156	759	0.297	ug/l	89
78) n-propylbenzene	11.287	91	4169	0.375	ug/l	91
79) 2-Chlorotoluene	11.348	91	2372	0.351	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	2893	0.373	ug/l	98
82) 4-Chlorotoluene	11.445	91	2988	0.380	ug/l	99
83) tert-Butylbenzene	11.695	119	2859	0.355	ug/l	98
84) 1,2,4-Trimethylbenzene	11.738	105	2829	0.366	ug/l	100
85) sec-Butylbenzene	11.872	105	3916	0.402	ug/l	100
86) p-Isopropyltoluene	11.988	119	3407	0.423	ug/l #	81
87) 1,3-Dichlorobenzene	11.951	146	2002	0.430	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	2285m	0.481	ug/l	
89) n-Butylbenzene	12.317	91	4130	0.544	ug/l	99
90) Hexachloroethane	12.518	117	670	0.413	ug/l	83
91) 1,2-Dichlorobenzene	12.323	146	1722	0.397	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.933	75	187	0.253	ug/l	66
93) 1,2,4-Trichlorobenzene	13.573	180	1741	0.631	ug/l	96
94) Hexachlorobutadiene	13.707	225	1327	1.155	ug/l	98
95) Naphthalene	13.762	128	2855	0.339	ug/l	96
96) 1,2,3-Trichlorobenzene	13.945	180	1165	0.457	ug/l	92

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

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