

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048708.D
 Acq On : 03 Dec 2025 16:08
 Operator : JC/MD
 Sample : Q2893-08 1.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Quant Time: Dec 04 02:31:25 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	5.544	168	204372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	335828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	300382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	146661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	145800	52.839	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.680%			
35) Dibromofluoromethane	5.373	113	116572	50.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.635	98	412502	52.551	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.100%			
62) 4-Bromofluorobenzene	11.061	95	143602	49.850	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	1999	0.849	ug/l	89
3) Chloromethane	1.301	50	2633	1.147	ug/l	92
4) Vinyl Chloride	1.380	62	2373	0.943	ug/l	95
5) Bromomethane	1.618	94	2036	1.218	ug/l	89
6) Chloroethane	1.697	64	1476	0.991	ug/l	98
7) Trichlorofluoromethane	1.898	101	3761	1.029	ug/l	91
8) Diethyl Ether	2.136	74	1482	1.139	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	2115	0.971	ug/l	94
10) Methyl Iodide	2.465	142	2987	0.952	ug/l	92
11) Tert butyl alcohol	2.941	59	2193	5.255	ug/l #	87
12) 1,1-Dichloroethene	2.325	96	2090	0.965	ug/l	93
13) Acrolein	2.233	56	1083	4.799	ug/l	95
14) Allyl chloride	2.672	41	2764	0.674	ug/l #	83
15) Acrylonitrile	3.063	53	5833	4.397	ug/l	97
16) Acetone	2.374	43	5150	5.711	ug/l	93
17) Carbon Disulfide	2.520	76	7113	1.078	ug/l	98
18) Methyl Acetate	2.703	43	2173	0.727	ug/l #	81
19) Methyl tert-butyl Ether	3.111	73	7531	1.020	ug/l	95
20) Methylene Chloride	2.794	84	2521	1.001	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	2468	1.104	ug/l #	79
22) Diisopropyl ether	3.758	45	7245	0.987	ug/l #	87
23) Vinyl Acetate	3.721	43	27148	4.255	ug/l	94
24) 1,1-Dichloroethane	3.605	63	4429	1.060	ug/l #	93
25) 2-Butanone	4.562	43	7418	4.724	ug/l	98
26) 2,2-Dichloropropane	4.459	77	3964	1.028	ug/l #	72
27) cis-1,2-Dichloroethene	4.483	96	2728	0.974	ug/l	97
28) Bromochloromethane	4.891	49	1812	0.903	ug/l #	94
29) Tetrahydrofuran	5.007	42	5770	4.824	ug/l #	79
30) Chloroform	5.087	83	4403	0.995	ug/l	92
31) Cyclohexane	5.458	56	3380	0.949	ug/l	90
32) 1,1,1-Trichloroethane	5.379	97	4077	1.024	ug/l #	51
36) 1,1-Dichloropropene	5.684	75	3297	1.066	ug/l	91
37) Ethyl Acetate	4.709	43	4536m	1.155	ug/l	
38) Carbon Tetrachloride	5.666	117	3896	1.096	ug/l #	79
39) Methylcyclohexane	7.367	83	3654	1.015	ug/l	91
40) Benzene	6.032	78	9777	1.075	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	1649	0.928	ug/l #	40
42) 1,2-Dichloroethane	6.074	62	3549	1.087	ug/l	87
43) Isopropyl Acetate	6.336	43	4942	0.896	ug/l	94
44) Trichloroethene	7.111	130	2462	1.029	ug/l	77
45) 1,2-Dichloropropane	7.421	63	2233	1.005	ug/l	94
46) Dibromomethane	7.580	93	1924	1.126	ug/l	85
47) Bromodichloromethane	7.806	83	3607	1.029	ug/l #	95
48) Methyl methacrylate	7.684	41	2181	0.828	ug/l #	89
49) 1,4-Dioxane	7.671	88	687	21.276	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	16350	4.704	ug/l	92
52) Toluene	8.702	92	5760	1.032	ug/l	97
53) t-1,3-Dichloropropene	8.970	75	3443	0.987	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	3601	0.973	ug/l	89
55) 1,1,2-Trichloroethane	9.141	97	2176	0.984	ug/l #	93
56) Ethyl methacrylate	9.110	69	3030	0.855	ug/l #	82
57) 1,3-Dichloropropane	9.293	76	3878	1.042	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.232	63	6692	3.681	ug/l	93
59) 2-Hexanone	9.421	43	12145	4.870	ug/l	94
60) Dibromochloromethane	9.506	129	2796	1.014	ug/l	99
61) 1,2-Dibromoethane	9.604	107	2529	1.034	ug/l	95
64) Tetrachloroethene	9.263	164	2072	1.004	ug/l	89
65) Chlorobenzene	10.061	112	6647	1.045	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.147	131	2269	1.025	ug/l #	66
67) Ethyl Benzene	10.183	91	10760	1.029	ug/l	93
68) m/p-Xylenes	10.287	106	7882	1.957	ug/l	99
69) o-Xylene	10.628	106	3878	1.000	ug/l	98
70) Styrene	10.640	104	5847	0.897	ug/l	96
71) Bromoform	10.781	173	2025	1.004	ug/l #	93
73) Isopropylbenzene	10.945	105	9306	0.949	ug/l	98
74) N-amyl acetate	10.829	43	4152	0.938	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.195	83	3654	1.089	ug/l	90
76) 1,2,3-Trichloropropane	11.220	75	3311m	1.124	ug/l	
77) Bromobenzene	11.183	156	2810	1.064	ug/l	97
78) n-propylbenzene	11.287	91	12530	1.092	ug/l	95
79) 2-Chlorotoluene	11.348	91	6998	1.003	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	7841	0.978	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.006	75	946m	0.826	ug/l	
82) 4-Chlorotoluene	11.439	91	8728	1.076	ug/l	93
83) tert-Butylbenzene	11.695	119	7878	0.947	ug/l	94
84) 1,2,4-Trimethylbenzene	11.738	105	7579	0.949	ug/l	92
85) sec-Butylbenzene	11.872	105	9964	0.990	ug/l	98
86) p-Isopropyltoluene	11.994	119	8175	0.983	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	5288	1.100	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	5517m	1.124	ug/l	
89) n-Butylbenzene	12.317	91	7851	1.002	ug/l	98
90) Hexachloroethane	12.518	117	1854	1.107	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	4683	1.046	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	857	1.124	ug/l	77
93) 1,2,4-Trichlorobenzene	13.573	180	2999	1.052	ug/l	94
94) Hexachlorobutadiene	13.707	225	1600	1.348	ug/l	97
95) Naphthalene	13.762	128	8532	0.981	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	2962	1.126	ug/l	95

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

