

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048581.D
 Acq On : 12 Nov 2025 16:15
 Operator : JC/MD
 Sample : Q2893-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Nov 14 00:29:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/17/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	212331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	358301	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	337581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	161455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	126231	42.665	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.320%		
35) Dibromofluoromethane	5.373	113	111982	41.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.580%		
50) Toluene-d8	8.635	98	391730	46.316	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.640%		
62) 4-Bromofluorobenzene	11.061	95	143340	45.477	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	4280	2.488	ug/l	92
3) Chloromethane	1.301	50	5366	2.351	ug/l	99
4) Vinyl Chloride	1.380	62	5756	2.228	ug/l	91
5) Bromomethane	1.618	94	4447	2.726	ug/l	86
6) Chloroethane	1.697	64	3576	2.113	ug/l	97
7) Trichlorofluoromethane	1.898	101	8664	2.120	ug/l	96
8) Diethyl Ether	2.136	74	3526	2.149	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.337	101	5189	2.193	ug/l	100
10) Methyl Iodide	2.459	142	7215	2.060	ug/l	99
11) Tert butyl alcohol	2.934	59	5418	9.664	ug/l #	93
12) 1,1-Dichloroethene	2.325	96	5714	2.312	ug/l	90
13) Acrolein	2.239	56	2154	26.555	ug/l	94
14) Allyl chloride	2.660	41	9207	2.001	ug/l	97
15) Acrylonitrile	3.063	53	15013	9.173	ug/l	93
16) Acetone	2.374	43	13577	9.694	ug/l	97
17) Carbon Disulfide	2.520	76	14983	2.154	ug/l	97
18) Methyl Acetate	2.697	43	7188	1.868	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	17243	1.975	ug/l	92
20) Methylene Chloride	2.788	84	6068	2.107	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	5872	2.241	ug/l	98
22) Diisopropyl ether	3.751	45	18790	2.126	ug/l #	80
23) Vinyl Acetate	3.721	43	74691	9.651	ug/l	97
24) 1,1-Dichloroethane	3.599	63	11126	2.295	ug/l	92
25) 2-Butanone	4.550	43	22446	10.834	ug/l	94
26) 2,2-Dichloropropane	4.459	77	8869	2.146	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6830	2.133	ug/l	98
28) Bromochloromethane	4.891	49	4638	1.947	ug/l #	94
29) Tetrahydrofuran	5.001	42	14598	9.879	ug/l	98
30) Chloroform	5.080	83	10598	2.117	ug/l	93
31) Cyclohexane	5.465	56	7760	1.953	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	8967	2.053	ug/l	98
36) 1,1-Dichloropropene	5.684	75	7817	2.153	ug/l	92
37) Ethyl Acetate	4.702	43	8772	1.716	ug/l	100
38) Carbon Tetrachloride	5.672	117	8898	2.153	ug/l	90
39) Methylcyclohexane	7.367	83	8712	2.137	ug/l #	81
40) Benzene	6.025	78	23468	2.085	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	4028	1.792	ug/l #	73
42) 1,2-Dichloroethane	6.080	62	7286	1.889	ug/l	92
43) Isopropyl Acetate	6.324	43	12851	1.789	ug/l	98
44) Trichloroethene	7.117	130	5958	2.214	ug/l	97
45) 1,2-Dichloropropane	7.415	63	5694	2.200	ug/l	98
46) Dibromomethane	7.568	93	4740	2.511	ug/l	88
47) Bromodichloromethane	7.812	83	7996	2.123	ug/l	94
48) Methyl methacrylate	7.684	41	6398	2.003	ug/l	97
49) 1,4-Dioxane	7.653	88	1837	37.744	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	44057	10.772	ug/l	99
52) Toluene	8.702	92	14074	2.375	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	7886	2.032	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	9147	2.276	ug/l	98
55) 1,1,2-Trichloroethane	9.141	97	6119	2.584	ug/l #	84
56) Ethyl methacrylate	9.104	69	8752	2.222	ug/l	99
57) 1,3-Dichloropropane	9.293	76	9795	2.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	17586	8.304	ug/l	100
59) 2-Hexanone	9.415	43	33839	11.122	ug/l	97
60) Dibromochloromethane	9.506	129	7071	2.432	ug/l	98
61) 1,2-Dibromoethane	9.598	107	6204	2.419	ug/l	99
64) Tetrachloroethene	9.257	164	5506	2.246	ug/l	98
65) Chlorobenzene	10.061	112	16630	2.075	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.147	131	5462	2.034	ug/l	96
67) Ethyl Benzene	10.177	91	27393	2.036	ug/l	98
68) m/p-Xylenes	10.287	106	20738	4.092	ug/l	97
69) o-Xylene	10.628	106	9986	2.014	ug/l	97
70) Styrene	10.640	104	16789	2.019	ug/l	98
71) Bromoform	10.787	173	4541	1.833	ug/l #	95
73) Isopropylbenzene	10.945	105	24038	2.051	ug/l	100
74) N-amyl acetate	10.829	43	11029	1.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	8857	2.143	ug/l	98
76) 1,2,3-Trichloropropane	11.226	75	7463m	1.919	ug/l	
77) Bromobenzene	11.183	156	6733	2.225	ug/l	97
78) n-propylbenzene	11.287	91	28132	2.041	ug/l	98
79) 2-Chlorotoluene	11.348	91	17261	2.073	ug/l	96
80) 1,3,5-Trimethylbenzene	11.433	105	19307	2.021	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	2486	1.828	ug/l #	88
82) 4-Chlorotoluene	11.439	91	20704	2.120	ug/l	100
83) tert-Butylbenzene	11.695	119	20755	2.100	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	19879	2.062	ug/l	99
85) sec-Butylbenzene	11.872	105	25269	2.069	ug/l	99
86) p-Isopropyltoluene	11.994	119	20696	2.016	ug/l	96
87) 1,3-Dichlorobenzene	11.951	146	12419	2.190	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	12369	2.111	ug/l	85
89) n-Butylbenzene	12.317	91	19078	1.981	ug/l	98
90) Hexachloroethane	12.518	117	3828	1.957	ug/l	92
91) 1,2-Dichlorobenzene	12.317	146	11945	2.194	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.927	75	1921	2.000	ug/l	94
93) 1,2,4-Trichlorobenzene	13.573	180	7123	1.969	ug/l	94
94) Hexachlorobutadiene	13.707	225	2994	1.979	ug/l	97
95) Naphthalene	13.756	128	21569	1.854	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	7170	2.130	ug/l	94

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

