

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048579.D
 Acq On : 12 Nov 2025 15:33
 Operator : JC/MD
 Sample : Q2893-07 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Nov 14 00:33:51 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	5.531	168	207862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	348674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	300992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	130254	44.971	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.940%		
35) Dibromofluoromethane	5.361	113	111763	42.351	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.700%		
50) Toluene-d8	8.628	98	391006	47.507	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.020%		
62) 4-Bromofluorobenzene	11.061	95	144393	47.076	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	984	0.584	ug/l	92
3) Chloromethane	1.300	50	1191	0.533	ug/l #	85
4) Vinyl Chloride	1.380	62	1309	0.518	ug/l #	60
5) Bromomethane	1.617	94	1338	0.838	ug/l	92
6) Chloroethane	1.697	64	765	0.462	ug/l #	87
7) Trichlorofluoromethane	1.892	101	1986	0.496	ug/l	87
8) Diethyl Ether	2.136	74	874	0.544	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.337	101	1165	0.503	ug/l	90
10) Methyl Iodide	2.459	142	2281	0.665	ug/l	91
11) Tert butyl alcohol	2.934	59	1388	2.529	ug/l #	71
12) 1,1-Dichloroethene	2.325	96	1397	0.577	ug/l #	60
13) Acrolein	2.239	56	258	3.249	ug/l #	44
14) Allyl chloride	2.660	41	2097	0.465	ug/l	93
15) Acrylonitrile	3.068	53	3435	2.144	ug/l	88
16) Acetone	2.373	43	4335	3.162	ug/l	90
17) Carbon Disulfide	2.514	76	3851	0.566	ug/l	99
18) Methyl Acetate	2.696	43	1859	0.493	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	4264	0.499	ug/l	92
20) Methylene Chloride	2.788	84	2027	0.719	ug/l #	91
21) trans-1,2-Dichloroethene	3.093	96	1330	0.519	ug/l	90
22) Diisopropyl ether	3.739	45	4109	0.475	ug/l #	20
23) Vinyl Acetate	3.715	43	16125	2.128	ug/l	98
24) 1,1-Dichloroethane	3.599	63	2517	0.530	ug/l #	92
25) 2-Butanone	4.550	43	4908	2.420	ug/l #	86
26) 2,2-Dichloropropane	4.458	77	2249	0.556	ug/l #	72
27) cis-1,2-Dichloroethene	4.477	96	1559	0.497	ug/l	82
28) Bromochloromethane	4.885	49	1032	0.443	ug/l #	56
29) Tetrahydrofuran	5.001	42	2863	1.979	ug/l	95
30) Chloroform	5.080	83	2448	0.500	ug/l	100
31) Cyclohexane	5.458	56	2222	0.571	ug/l #	76
32) 1,1,1-Trichloroethane	5.367	97	2370	0.554	ug/l #	50
36) 1,1-Dichloropropene	5.678	75	2153	0.609	ug/l #	77
37) Ethyl Acetate	4.708	43	2465m	0.496	ug/l	
38) Carbon Tetrachloride	5.647	117	2341	0.582	ug/l #	91
39) Methylcyclohexane	7.366	83	2222	0.560	ug/l #	81
40) Benzene	6.025	78	5616	0.513	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	905	0.414	ug/l #	68
42) 1,2-Dichloroethane	6.068	62	1732	0.461	ug/l #	73
43) Isopropyl Acetate	6.324	43	3391	0.485	ug/l #	77
44) Trichloroethene	7.110	130	1580	0.603	ug/l	97
45) 1,2-Dichloropropane	7.415	63	1228	0.488	ug/l	97
46) Dibromomethane	7.568	93	936	0.510	ug/l	91
47) Bromodichloromethane	7.805	83	2063	0.563	ug/l #	92
48) Methyl methacrylate	7.696	41	1383	0.445	ug/l	92
49) 1,4-Dioxane	7.653	88	300	6.334	ug/l #	76
51) 4-Methyl-2-Pentanone	8.555	43	9538	2.396	ug/l	93
52) Toluene	8.701	92	3557	0.617	ug/l	97
53) t-1,3-Dichloropropene	8.970	75	1957	0.518	ug/l	96
54) cis-1,3-Dichloropropene	8.354	75	1948	0.498	ug/l	94
55) 1,1,2-Trichloroethane	9.140	97	1492	0.648	ug/l #	87
56) Ethyl methacrylate	9.104	69	2040	0.532	ug/l	91
57) 1,3-Dichloropropane	9.293	76	2241	0.559	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.232	63	3772	1.830	ug/l	99
59) 2-Hexanone	9.421	43	7021	2.371	ug/l	97
60) Dibromochloromethane	9.506	129	1479	0.523	ug/l	77
61) 1,2-Dibromoethane	9.598	107	1264	0.506	ug/l	98
64) Tetrachloroethene	9.250	164	1425	0.652	ug/l #	62
65) Chlorobenzene	10.061	112	3710	0.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	1356	0.566	ug/l #	66
67) Ethyl Benzene	10.177	91	6256	0.521	ug/l	99
68) m/p-Xylenes	10.287	106	4534	1.003	ug/l	97
69) o-Xylene	10.628	106	2066	0.467	ug/l	100
70) Styrene	10.640	104	3454	0.466	ug/l	99
71) Bromoform	10.787	173	1189	0.538	ug/l #	91
73) Isopropylbenzene	10.945	105	5285	0.486	ug/l	97
74) N-amyl acetate	10.829	43	2333	0.427	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.195	83	1969	0.514	ug/l #	87
76) 1,2,3-Trichloropropane	11.219	75	1981m	0.549	ug/l	
77) Bromobenzene	11.177	156	1546	0.551	ug/l	96
78) n-propylbenzene	11.286	91	7067	0.553	ug/l	95
79) 2-Chlorotoluene	11.347	91	4068	0.527	ug/l	93
80) 1,3,5-Trimethylbenzene	11.433	105	4421	0.499	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	477m	0.378	ug/l	
82) 4-Chlorotoluene	11.439	91	4793	0.529	ug/l	98
83) tert-Butylbenzene	11.701	119	4737	0.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	4281	0.479	ug/l	90
85) sec-Butylbenzene	11.872	105	5591	0.494	ug/l	98
86) p-Isopropyltoluene	11.994	119	5093	0.535	ug/l	89
87) 1,3-Dichlorobenzene	11.951	146	2897	0.551	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	3171m	0.584	ug/l	
89) n-Butylbenzene	12.317	91	4808	0.538	ug/l	95
90) Hexachloroethane	12.518	117	983	0.542	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	2351	0.465	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	12.932	75	507	0.569	ug/l	90
93) 1,2,4-Trichlorobenzene	13.573	180	1879	0.560	ug/l	94
94) Hexachlorobutadiene	13.707	225	771	0.550	ug/l	92
95) Naphthalene	13.762	128	4941	0.458	ug/l	99
96) 1,2,3-Trichlorobenzene	13.944	180	1557	0.499	ug/l	98

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

