

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070925\
 Data File : VX046927.D
 Acq On : 09 Jul 2025 13:15
 Operator : JC/MD
 Sample : Q2126-07 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2025

Quant Time: Jul 10 03:00:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 10 02:52:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2025
 Supervised By : Mahesh Dadoda 07/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	360532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	601555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	544598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	284583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	243583	51.141	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.280%			
35) Dibromofluoromethane	5.391	113	205063	50.219	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.440%			
50) Toluene-d8	8.647	98	712463	49.453	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	280125	51.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	1393	0.404	ug/l	92
3) Chloromethane	1.307	50	1812	0.481	ug/l #	83
4) Vinyl Chloride	1.386	62	2060	0.502	ug/l #	79
5) Bromomethane	1.630	94	1894	0.719	ug/l	93
6) Chloroethane	1.703	64	1325	0.489	ug/l	95
7) Trichlorofluoromethane	1.910	101	2699	0.425	ug/l	95
8) Diethyl Ether	2.142	74	862m	0.382	ug/l	
9) 1,1,2-Trichlorotrifluo...	2.349	101	1765	0.437	ug/l #	90
10) Methyl Iodide	2.465	142	2501	0.568	ug/l	97
11) Tert butyl alcohol	2.959	59	698	2.234	ug/l #	72
12) 1,1-Dichloroethene	2.343	96	2076	0.531	ug/l #	57
13) Acrolein	2.246	56	805	2.158	ug/l #	38
14) Allyl chloride	2.678	41	3642	0.523	ug/l #	92
15) Acrylonitrile	3.075	53	4028	2.230	ug/l	96
16) Acetone	2.386	43	3845	2.599	ug/l #	74
17) Carbon Disulfide	2.526	76	5415	0.528	ug/l #	92
18) Methyl Acetate	2.715	43	1781	0.457	ug/l #	81
19) Methyl tert-butyl Ether	3.123	73	4601	0.417	ug/l #	88
20) Methylene Chloride	2.800	84	8793	2.010	ug/l	92
21) trans-1,2-Dichloroethene	3.117	96	2022	0.505	ug/l	89
22) Diisopropyl ether	3.764	45	5897	0.439	ug/l #	26
23) Vinyl Acetate	3.745	43	21122m	2.097	ug/l	
24) 1,1-Dichloroethane	3.623	63	3938	0.513	ug/l #	82
25) 2-Butanone	4.611	43	4085	2.070	ug/l #	74
26) 2,2-Dichloropropane	4.495	77	2668	0.467	ug/l	78
27) cis-1,2-Dichloroethene	4.507	96	2714m	0.556	ug/l	
28) Bromochloromethane	4.922	49	1857m	0.491	ug/l	
29) Tetrahydrofuran	5.026	42	3112m	2.473	ug/l	
30) Chloroform	5.105	83	4265	0.544	ug/l	93
31) Cyclohexane	5.471	56	2955m	0.434	ug/l	
32) 1,1,1-Trichloroethane	5.379	97	3174m	0.485	ug/l	
36) 1,1-Dichloropropene	5.696	75	2942	0.534	ug/l #	49
37) Ethyl Acetate	4.788	43	2629m	0.560	ug/l	
38) Carbon Tetrachloride	5.684	117	2936	0.504	ug/l #	73
39) Methylcyclohexane	7.379	83	3506	0.509	ug/l	96
40) Benzene	6.044	78	7935	0.476	ug/l	94

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41) Methacrylonitrile	4.965	41	923m	0.369	ug/l	
42) 1,2-Dichloroethane	6.111	62	3212	0.568	ug/l	87
43) Isopropyl Acetate	6.361	43	2577	0.359	ug/l #	75
44) Trichloroethene	7.135	130	2215	0.511	ug/l	100
45) 1,2-Dichloropropane	7.440	63	2003	0.476	ug/l #	86
46) Dibromomethane	7.598	93	1299	0.445	ug/l	83
47) Bromodichloromethane	7.830	83	2994	0.481	ug/l #	83
48) Methyl methacrylate	7.732	41	1451	0.391	ug/l #	82
49) 1,4-Dioxane	7.696	88	132	3.070	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	8838	2.084	ug/l	90
52) Toluene	8.720	92	5553	0.538	ug/l	95
53) t-1,3-Dichloropropene	8.994	75	2167	0.390	ug/l	97
54) cis-1,3-Dichloropropene	8.379	75	2849	0.449	ug/l #	81
55) 1,1,2-Trichloroethane	9.159	97	2121	0.551	ug/l #	84
56) Ethyl methacrylate	9.135	69	1927	0.362	ug/l #	81
57) 1,3-Dichloropropane	9.317	76	3342	0.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.263	63	4518	1.506	ug/l	91
59) 2-Hexanone	9.452	43	5487	1.950	ug/l	80
60) Dibromochloromethane	9.519	129	2235	0.486	ug/l	94
61) 1,2-Dibromoethane	9.616	107	1980	0.513	ug/l	88
64) Tetrachloroethene	9.275	164	1851	0.510	ug/l #	81
65) Chlorobenzene	10.079	112	6422	0.545	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	10.165	131	2084	0.527	ug/l #	63
67) Ethyl Benzene	10.195	91	9890	0.490	ug/l	93
68) m/p-Xylenes	10.305	106	7342	0.966	ug/l	99
69) o-Xylene	10.646	106	3473	0.473	ug/l	95
70) Styrene	10.665	104	5500	0.438	ug/l	95
71) Bromoform	10.799	173	1564	0.531	ug/l #	89
73) Isopropylbenzene	10.963	105	8405	0.420	ug/l	91
74) N-amyl acetate	10.848	43	2722m	0.400	ug/l	
75) 1,1,2,2-Tetrachloroethane	11.213	83	2596	0.472	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	2001m	0.455	ug/l	
77) Bromobenzene	11.201	156	2660	0.534	ug/l	96
78) n-propylbenzene	11.305	91	11728	0.486	ug/l	97
79) 2-Chlorotoluene	11.366	91	6993	0.491	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	7938	0.488	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	651m	0.397	ug/l	
82) 4-Chlorotoluene	11.457	91	7912	0.481	ug/l	99
83) tert-Butylbenzene	11.713	119	7985	0.476	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	7554	0.460	ug/l	97
85) sec-Butylbenzene	11.890	105	9590	0.453	ug/l	98
86) p-Isopropyltoluene	12.006	119	8327	0.470	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	4819	0.517	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	5500m	0.567	ug/l	
89) n-Butylbenzene	12.335	91	6979	0.419	ug/l	94
90) Hexachloroethane	12.530	117	1332	0.424	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	4112	0.455	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.951	75	407	0.423	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	3150	0.513	ug/l	93
94) Hexachlorobutadiene	13.725	225	1370	0.592	ug/l	100
95) Naphthalene	13.780	128	6215	0.384	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2988	0.515	ug/l	89

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

