

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048580.D
 Acq On : 12 Nov 2025 15:54
 Operator : JC/MD
 Sample : Q2893-07 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Nov 14 00:34:37 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

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	201965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	334743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	305256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	153213	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	119997	42.639	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.280%
35) Dibromofluoromethane	5.373	113	103488	40.847	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	81.700%
50) Toluene-d8	8.634	98	362446	45.869	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.740%#
62) 4-Bromofluorobenzene	11.061	95	141387	48.014	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.020%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.172	85	1105	0.675	ug/l	89
3) Chloromethane	1.300	50	1275	0.587	ug/l #	73
4) Vinyl Chloride	1.379	62	1388	0.565	ug/l	89
5) Bromomethane	1.623	94	1293	0.833	ug/l	97
6) Chloroethane	1.696	64	872	0.542	ug/l #	59
7) Trichlorofluoromethane	1.898	101	2189	0.563	ug/l #	82
8) Diethyl Ether	2.135	74	822	0.527	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.343	101	1359	0.604	ug/l	98
10) Methyl Iodide	2.465	142	2172	0.652	ug/l	97
11) Tert butyl alcohol	2.934	59	1394	2.614	ug/l #	93
12) 1,1-Dichloroethene	2.324	96	1448	0.616	ug/l	91
13) Acrolein	2.239	56	490	6.351	ug/l	98
14) Allyl chloride	2.672	41	2380	0.544	ug/l	94
15) Acrylonitrile	3.068	53	3803	2.443	ug/l	98
16) Acetone	2.373	43	4064	3.051	ug/l #	82
17) Carbon Disulfide	2.519	76	3850	0.582	ug/l	99
18) Methyl Acetate	2.696	43	2010	0.549	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	4290	0.517	ug/l #	87
20) Methylene Chloride	2.794	84	2016	0.736	ug/l	93
21) trans-1,2-Dichloroethene	3.092	96	1636	0.657	ug/l	85
22) Diisopropyl ether	3.757	45	4443	0.529	ug/l #	67
23) Vinyl Acetate	3.720	43	16623	2.258	ug/l	96
24) 1,1-Dichloroethane	3.617	63	2549	0.553	ug/l #	82
25) 2-Butanone	4.562	43	5109	2.593	ug/l	91
26) 2,2-Dichloropropane	4.470	77	2252	0.573	ug/l #	64
27) cis-1,2-Dichloroethene	4.501	96	1783	0.585	ug/l	94
28) Bromochloromethane	4.891	49	960	0.424	ug/l #	88
29) Tetrahydrofuran	5.013	42	3232	2.300	ug/l	93
30) Chloroform	5.074	83	2652	0.557	ug/l	99
31) Cyclohexane	5.458	56	2077m	0.550	ug/l	
32) 1,1,1-Trichloroethane	5.366	97	2365	0.569	ug/l #	47
36) 1,1-Dichloropropene	5.690	75	2127	0.627	ug/l #	49
37) Ethyl Acetate	4.708	43	2393	0.501	ug/l #	81
38) Carbon Tetrachloride	5.659	117	2315	0.599	ug/l	87
39) Methylcyclohexane	7.372	83	2195	0.576	ug/l	97
40) Benzene	6.031	78	5792	0.551	ug/l	91

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41) Methacrylonitrile	4.946	41	1022m	0.487	ug/l	
42) 1,2-Dichloroethane	6.068	62	1951	0.541	ug/l	89
43) Isopropyl Acetate	6.324	43	2815	0.419	ug/l #	93
44) Trichloroethene	7.116	130	1483	0.590	ug/l	81
45) 1,2-Dichloropropane	7.427	63	1156	0.478	ug/l	95
46) Dibromomethane	7.567	93	1075	0.610	ug/l	91
47) Bromodichloromethane	7.811	83	2096	0.596	ug/l #	89
48) Methyl methacrylate	7.689	41	1331	0.446	ug/l #	73
49) 1,4-Dioxane	7.665	88	451	9.919	ug/l	88
51) 4-Methyl-2-Pentanone	8.561	43	9569	2.504	ug/l	100
52) Toluene	8.707	92	3670	0.663	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	1899	0.524	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	2076	0.553	ug/l #	84
55) 1,1,2-Trichloroethane	9.134	97	1392	0.629	ug/l #	78
56) Ethyl methacrylate	9.110	69	1863	0.506	ug/l	90
57) 1,3-Dichloropropane	9.299	76	2468	0.641	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.232	63	4968	2.511	ug/l	94
59) 2-Hexanone	9.421	43	7570	2.663	ug/l	93
60) Dibromochloromethane	9.506	129	1492	0.549	ug/l	91
61) 1,2-Dibromoethane	9.597	107	1520	0.634	ug/l	99
64) Tetrachloroethene	9.256	164	1305	0.589	ug/l	84
65) Chlorobenzene	10.061	112	3735	0.516	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.146	131	1405	0.579	ug/l #	59
67) Ethyl Benzene	10.177	91	6461	0.531	ug/l	91
68) m/p-Xylenes	10.286	106	4840	1.056	ug/l	94
69) o-Xylene	10.628	106	1984	0.443	ug/l	76
70) Styrene	10.640	104	3671	0.488	ug/l	95
71) Bromoform	10.780	173	1254	0.560	ug/l #	96
73) Isopropylbenzene	10.945	105	5931	0.533	ug/l	96
74) N-amyl acetate	10.829	43	2369	0.424	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	2156	0.550	ug/l	98
76) 1,2,3-Trichloropropane	11.225	75	1717m	0.465	ug/l	
77) Bromobenzene	11.183	156	1689	0.588	ug/l	93
78) n-propylbenzene	11.286	91	7004	0.536	ug/l	93
79) 2-Chlorotoluene	11.347	91	4480	0.567	ug/l	97
80) 1,3,5-Trimethylbenzene	11.439	105	4643	0.512	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.006	75	529m	0.410	ug/l	
82) 4-Chlorotoluene	11.439	91	4908	0.530	ug/l	97
83) tert-Butylbenzene	11.695	119	5395	0.575	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	4968	0.543	ug/l	99
85) sec-Butylbenzene	11.871	105	5682	0.490	ug/l	100
86) p-Isopropyltoluene	11.987	119	4863	0.499	ug/l	87
87) 1,3-Dichlorobenzene	11.951	146	2893	0.538	ug/l	93
88) 1,4-Dichlorobenzene	12.024	146	3235m	0.582	ug/l	
89) n-Butylbenzene	12.316	91	5043	0.552	ug/l	94
90) Hexachloroethane	12.518	117	923	0.497	ug/l	92
91) 1,2-Dichlorobenzene	12.323	146	2699	0.522	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.926	75	361	0.396	ug/l	87
93) 1,2,4-Trichlorobenzene	13.572	180	1883	0.548	ug/l	90
94) Hexachlorobutadiene	13.706	225	758	0.528	ug/l	88
95) Naphthalene	13.761	128	5204	0.471	ug/l	99
96) 1,2,3-Trichlorobenzene	13.944	180	1601	0.501	ug/l	92

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

