

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048709.D
 Acq On : 03 Dec 2025 16:29
 Operator : JC/MD
 Sample : Q2893-08 5.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Dec 04 02:32:11 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	191686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	316759	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288480	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	123135	47.579	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.160%		
35) Dibromofluoromethane	5.367	113	93818	43.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.900%		
50) Toluene-d8	8.634	98	340176	45.946	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.900%#		
62) 4-Bromofluorobenzene	11.061	95	121106	44.571	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	10120	4.580	ug/l	99
3) Chloromethane	1.300	50	10694	4.966	ug/l	94
4) Vinyl Chloride	1.380	62	11134	4.719	ug/l	99
5) Bromomethane	1.611	94	8049	5.134	ug/l	95
6) Chloroethane	1.691	64	6619	4.737	ug/l	95
7) Trichlorofluoromethane	1.892	101	17251	5.032	ug/l	93
8) Diethyl Ether	2.136	74	6445	5.279	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.337	101	10495	5.137	ug/l	99
10) Methyl Iodide	2.459	142	12806	4.351	ug/l	98
11) Tert butyl alcohol	2.940	59	9493	24.252	ug/l	98
12) 1,1-Dichloroethene	2.325	96	10664	5.250	ug/l	96
13) Acrolein	2.233	56	7308	34.524	ug/l	99
14) Allyl chloride	2.666	41	18387	4.783	ug/l	97
15) Acrylonitrile	3.062	53	31494	25.312	ug/l	96
16) Acetone	2.373	43	25555	30.213	ug/l	95
17) Carbon Disulfide	2.520	76	30700	4.962	ug/l	98
18) Methyl Acetate	2.697	43	13579	4.847	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	33735	4.874	ug/l #	89
20) Methylene Chloride	2.788	84	10721	4.541	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	10325	4.925	ug/l	95
22) Diisopropyl ether	3.757	45	37730	5.481	ug/l	98
23) Vinyl Acetate	3.715	43	154746	25.861	ug/l	97
24) 1,1-Dichloroethane	3.611	63	20945	5.343	ug/l	98
25) 2-Butanone	4.550	43	40726	27.650	ug/l	97
26) 2,2-Dichloropropane	4.458	77	18459	5.105	ug/l #	53
27) cis-1,2-Dichloroethene	4.483	96	13900	5.289	ug/l	95
28) Bromochloromethane	4.891	49	9185	4.880	ug/l	94
29) Tetrahydrofuran	4.989	42	30792	27.450	ug/l	93
30) Chloroform	5.080	83	21745	5.237	ug/l	98
31) Cyclohexane	5.464	56	17205	5.152	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	19307	5.171	ug/l	96
36) 1,1-Dichloropropene	5.684	75	14938	5.121	ug/l	99
37) Ethyl Acetate	4.708	43	19900	5.373	ug/l	96
38) Carbon Tetrachloride	5.665	117	18536	5.529	ug/l	97
39) Methylcyclohexane	7.366	83	17074	5.028	ug/l	95
40) Benzene	6.025	78	47401	5.528	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	8473	5.054	ug/l #	81
42) 1,2-Dichloroethane	6.074	62	17675	5.741	ug/l	95
43) Isopropyl Acetate	6.330	43	28061	5.395	ug/l	96
44) Trichloroethene	7.116	130	12444	5.513	ug/l	89
45) 1,2-Dichloropropane	7.421	63	11480	5.478	ug/l	93
46) Dibromomethane	7.574	93	8687	5.388	ug/l	98
47) Bromodichloromethane	7.805	83	17332	5.243	ug/l	95
48) Methyl methacrylate	7.683	41	13139	5.288	ug/l	94
49) 1,4-Dioxane	7.653	88	3480	114.264	ug/l #	77
51) 4-Methyl-2-Pentanone	8.555	43	93504	28.523	ug/l	93
52) Toluene	8.708	92	29790	5.661	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	18019	5.476	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	18337	5.254	ug/l	93
55) 1,1,2-Trichloroethane	9.140	97	11800	5.656	ug/l	97
56) Ethyl methacrylate	9.104	69	16721	5.002	ug/l #	88
57) 1,3-Dichloropropane	9.293	76	19671	5.604	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	49923	29.114	ug/l	96
59) 2-Hexanone	9.415	43	64589	27.459	ug/l	94
60) Dibromochloromethane	9.506	129	14312	5.500	ug/l	100
61) 1,2-Dibromoethane	9.598	107	12369	5.362	ug/l	97
64) Tetrachloroethene	9.256	164	10479	5.290	ug/l	94
65) Chlorobenzene	10.061	112	32326	5.290	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	11657	5.483	ug/l	97
67) Ethyl Benzene	10.177	91	54290	5.408	ug/l	97
68) m/p-Xylenes	10.287	106	40213	10.398	ug/l	97
69) o-Xylene	10.628	106	19821	5.320	ug/l	98
70) Styrene	10.640	104	32372	5.169	ug/l	97
71) Bromoform	10.787	173	10056	5.193	ug/l #	99
73) Isopropylbenzene	10.945	105	50116	5.183	ug/l	100
74) N-amyl acetate	10.829	43	22347	5.119	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	17438	5.267	ug/l	98
76) 1,2,3-Trichloropropane	11.225	75	15227m	5.238	ug/l	
77) Bromobenzene	11.183	156	13326	5.114	ug/l	94
78) n-propylbenzene	11.286	91	60459	5.339	ug/l	100
79) 2-Chlorotoluene	11.347	91	36698	5.333	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	41978	5.307	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	4877	4.315	ug/l #	81
82) 4-Chlorotoluene	11.439	91	43270	5.406	ug/l	98
83) tert-Butylbenzene	11.695	119	41154	5.016	ug/l	97
84) 1,2,4-Trimethylbenzene	11.738	105	41882	5.316	ug/l	98
85) sec-Butylbenzene	11.872	105	51692	5.205	ug/l	100
86) p-Isopropyltoluene	11.994	119	43202	5.266	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	24752	5.219	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	25894	5.349	ug/l	96
89) n-Butylbenzene	12.311	91	42031	5.439	ug/l	99
90) Hexachloroethane	12.518	117	8232	4.984	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	24794	5.614	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	4069	5.408	ug/l	88
93) 1,2,4-Trichlorobenzene	13.573	180	14132	5.026	ug/l	96
94) Hexachlorobutadiene	13.707	225	6360	5.432	ug/l	99
95) Naphthalene	13.756	128	42442	4.945	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	13405	5.165	ug/l	98

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

