

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048707.D
 Acq On : 03 Dec 2025 15:48
 Operator : JC/MD
 Sample : Q2893-07 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 04 02:30:36 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	5.538	168	177184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	293874	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	137415	57.442	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.880%
35) Dibromofluoromethane	5.373	113	108886	54.360	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.720%
50) Toluene-d8	8.635	98	390855	56.902	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	113.800%#
62) 4-Bromofluorobenzene	11.061	95	133929	53.129	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.260%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	5073	2.484	ug/l	100
3) Chloromethane	1.301	50	5210	2.617	ug/l	95
4) Vinyl Chloride	1.380	62	5769	2.645	ug/l	97
5) Bromomethane	1.618	94	4314	2.977	ug/l	100
6) Chloroethane	1.697	64	3739	2.895	ug/l	100
7) Trichlorofluoromethane	1.898	101	8809	2.780	ug/l	95
8) Diethyl Ether	2.136	74	3045	2.698	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.337	101	5020	2.658	ug/l	97
10) Methyl Iodide	2.459	142	5673	2.085	ug/l	93
11) Tert butyl alcohol	2.934	59	5330	14.731	ug/l	99
12) 1,1-Dichloroethene	2.325	96	5299	2.822	ug/l	90
13) Acrolein	2.233	56	3153	16.114	ug/l	99
14) Allyl chloride	2.666	41	10541	2.967	ug/l	98
15) Acrylonitrile	3.062	53	16947	14.735	ug/l	98
16) Acetone	2.374	43	11637	14.884	ug/l	98
17) Carbon Disulfide	2.514	76	16652	2.912	ug/l	95
18) Methyl Acetate	2.703	43	7323	2.828	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	17345	2.711	ug/l	99
20) Methylene Chloride	2.794	84	6479	2.969	ug/l	89
21) trans-1,2-Dichloroethene	3.099	96	5601	2.890	ug/l	98
22) Diisopropyl ether	3.757	45	18463	2.902	ug/l	92
23) Vinyl Acetate	3.721	43	74661	13.498	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	11201	3.091	ug/l	99
25) 2-Butanone	4.562	43	19761	14.515	ug/l	92
26) 2,2-Dichloropropane	4.477	77	9391	2.810	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	6426	2.645	ug/l	91
28) Bromochloromethane	4.885	49	4840	2.782	ug/l #	99
29) Tetrahydrofuran	5.007	42	14291	13.783	ug/l	94
30) Chloroform	5.080	83	10579	2.756	ug/l	95
31) Cyclohexane	5.458	56	8749	2.834	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	9637	2.792	ug/l	94
36) 1,1-Dichloropropene	5.690	75	7555	2.791	ug/l	98
37) Ethyl Acetate	4.709	43	8572	2.495	ug/l	99
38) Carbon Tetrachloride	5.672	117	9112	2.930	ug/l #	93
39) Methylcyclohexane	7.367	83	9519	3.022	ug/l	95
40) Benzene	6.025	78	22736	2.858	ug/l	98

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41) Methacrylonitrile	4.928	41	3562	2.290	ug/l #	83
42) 1,2-Dichloroethane	6.080	62	8306	2.908	ug/l	99
43) Isopropyl Acetate	6.324	43	14013	2.904	ug/l	95
44) Trichloroethene	7.117	130	5472	2.613	ug/l	99
45) 1,2-Dichloropropane	7.415	63	5611	2.886	ug/l	97
46) Dibromomethane	7.574	93	4291	2.869	ug/l	92
47) Bromodichloromethane	7.812	83	8129	2.651	ug/l	98
48) Methyl methacrylate	7.684	41	6271	2.720	ug/l	92
49) 1,4-Dioxane	7.653	88	1735	61.404	ug/l	90
51) 4-Methyl-2-Pentanone	8.555	43	43217	14.210	ug/l	94
52) Toluene	8.702	92	14213	2.911	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	8760	2.870	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	8905	2.750	ug/l #	81
55) 1,1,2-Trichloroethane	9.135	97	5137	2.654	ug/l	96
56) Ethyl methacrylate	9.104	69	8168	2.634	ug/l #	85
57) 1,3-Dichloropropane	9.293	76	9764	2.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.232	63	22712	14.277	ug/l	99
59) 2-Hexanone	9.415	43	30987	14.200	ug/l	94
60) Dibromochloromethane	9.506	129	6528	2.704	ug/l	100
61) 1,2-Dibromoethane	9.598	107	5591	2.613	ug/l	93
64) Tetrachloroethene	9.263	164	5134	2.903	ug/l	89
65) Chlorobenzene	10.061	112	15318	2.808	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	5154	2.716	ug/l	95
67) Ethyl Benzene	10.177	91	25628	2.860	ug/l	99
68) m/p-Xylenes	10.287	106	19910	5.768	ug/l	98
69) o-Xylene	10.628	106	8749	2.631	ug/l	97
70) Styrene	10.640	104	15090	2.700	ug/l	98
71) Bromoform	10.781	173	4571	2.644	ug/l #	95
73) Isopropylbenzene	10.945	105	23374	2.683	ug/l	99
74) N-amyl acetate	10.829	43	10282	2.615	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	7977	2.675	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	6680m	2.551	ug/l	
77) Bromobenzene	11.183	156	6219	2.649	ug/l	90
78) n-propylbenzene	11.287	91	28315	2.776	ug/l	95
79) 2-Chlorotoluene	11.348	91	17503	2.823	ug/l	96
80) 1,3,5-Trimethylbenzene	11.433	105	18381	2.580	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	2304	2.263	ug/l #	83
82) 4-Chlorotoluene	11.439	91	19460	2.699	ug/l	96
83) tert-Butylbenzene	11.695	119	19515	2.641	ug/l	97
84) 1,2,4-Trimethylbenzene	11.738	105	20843	2.937	ug/l	98
85) sec-Butylbenzene	11.872	105	25452	2.845	ug/l	99
86) p-Isopropyltoluene	11.994	119	21123	2.858	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	11812	2.765	ug/l	96
88) 1,4-Dichlorobenzene	12.024	146	12254	2.810	ug/l	86
89) n-Butylbenzene	12.317	91	19903	2.859	ug/l	96
90) Hexachloroethane	12.524	117	4157	2.794	ug/l	91
91) 1,2-Dichlorobenzene	12.317	146	11131	2.798	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.920	75	1920	2.833	ug/l	85
93) 1,2,4-Trichlorobenzene	13.573	180	6687	2.640	ug/l	97
94) Hexachlorobutadiene	13.707	225	3361	3.187	ug/l	95
95) Naphthalene	13.756	128	18964	2.453	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	6039	2.583	ug/l	96

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

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