

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048775.D
 Acq On : 09 Dec 2025 12:05
 Operator : JC/MD
 Sample : Q3788-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-120525MS

Quant Time: Dec 10 00:17:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	174579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	316376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	297896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	149827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	127803	54.543	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.080%			
35) Dibromofluoromethane	5.373	113	106630	48.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.635	98	371724	48.681	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.360%			
62) 4-Bromofluorobenzene	11.061	95	141246	53.643	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	55047	30.947	ug/l	100
3) Chloromethane	1.300	50	68644	30.582	ug/l	99
4) Vinyl Chloride	1.380	62	68529	28.667	ug/l	96
5) Bromomethane	1.617	94	48170	32.607	ug/l	99
6) Chloroethane	1.697	64	41877	28.147	ug/l	97
7) Trichlorofluoromethane	1.898	101	88297	25.771	ug/l	99
8) Diethyl Ether	2.136	74	41372	30.253	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	50780	25.566	ug/l	99
10) Methyl Iodide	2.459	142	84952	30.043	ug/l	99
11) Tert butyl alcohol	2.934	59	58674	155.097	ug/l	100
12) 1,1-Dichloroethene	2.325	96	229005	112.965	ug/l	98
13) Acrolein	2.233	56	77293	217.785	ug/l	97
14) Allyl chloride	2.666	41	112526	33.061	ug/l	97
15) Acrylonitrile	3.056	53	209670	177.871	ug/l	99
16) Acetone	2.367	43	167876	187.150	ug/l	100
17) Carbon Disulfide	2.520	76	183243	31.126	ug/l	100
18) Methyl Acetate	2.697	43	87560	34.693	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	219214	33.227	ug/l	99
20) Methylene Chloride	2.788	84	70964	31.651	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	77778	37.591	ug/l	99
22) Diisopropyl ether	3.751	45	227532	35.770	ug/l	97
23) Vinyl Acetate	3.709	43	1015539	190.005	ug/l	97
24) 1,1-Dichloroethane	3.605	63	139655	39.371	ug/l	99
25) 2-Butanone	4.532	43	264745	199.973	ug/l	96
26) 2,2-Dichloropropane	4.471	77	95398	30.395	ug/l	88
27) cis-1,2-Dichloroethene	4.477	96	227120	97.277	ug/l	98
28) Bromochloromethane	4.885	49	57653	33.160	ug/l	88
29) Tetrahydrofuran	4.983	42	173580	171.708	ug/l	96
30) Chloroform	5.080	83	121617	31.998	ug/l	97
31) Cyclohexane	5.464	56	86004	27.156	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	98431	28.904	ug/l	96
36) 1,1-Dichloropropene	5.684	75	74629	25.013	ug/l	99
37) Ethyl Acetate	4.690	43	121547	34.094	ug/l	97
38) Carbon Tetrachloride	5.666	117	85223	25.217	ug/l	95
39) Methylcyclohexane	7.366	83	81982	23.237	ug/l	95
40) Benzene	6.025	78	255608	28.899	ug/l	100

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41) Methacrylonitrile	4.897	41	50969	31.422	ug/l	98
42) 1,2-Dichloroethane	6.068	62	106554	34.037	ug/l	98
43) Isopropyl Acetate	6.318	43	169340	31.369	ug/l	97
44) Trichloroethene	7.110	130	102194	44.282	ug/l	93
45) 1,2-Dichloropropane	7.415	63	65617	29.682	ug/l	98
46) Dibromomethane	7.568	93	49637	29.609	ug/l	98
47) Bromodichloromethane	7.805	83	100481	28.748	ug/l	100
48) Methyl methacrylate	7.677	41	82673	30.444	ug/l	99
49) 1,4-Dioxane	7.647	88	21643	579.503	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	551119	164.476	ug/l	97
52) Toluene	8.702	92	158862	29.786	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	102980	30.970	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	107566	30.100	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	65702	30.617	ug/l	96
56) Ethyl methacrylate	9.098	69	109396	32.568	ug/l	99
57) 1,3-Dichloropropane	9.293	76	112919	31.645	ug/l	100
59) 2-Hexanone	9.415	43	402164	170.977	ug/l	99
60) Dibromochloromethane	9.506	129	79942	30.126	ug/l	99
61) 1,2-Dibromoethane	9.592	107	70541	30.372	ug/l	99
64) Tetrachloroethene	9.256	164	48511	22.341	ug/l	99
65) Chlorobenzene	10.061	112	174749	26.799	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.146	131	63152	27.078	ug/l	98
67) Ethyl Benzene	10.177	91	289950	27.250	ug/l	100
68) m/p-Xylenes	10.281	106	221341	53.403	ug/l	98
69) o-Xylene	10.622	106	110105	28.350	ug/l	97
70) Styrene	10.640	104	189685	28.450	ug/l	99
71) Bromoform	10.780	173	54791	26.314	ug/l #	99
73) Isopropylbenzene	10.945	105	262420	25.991	ug/l	99
74) N-amyl acetate	10.823	43	138491	31.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	99039	29.071	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	78315m	28.064	ug/l	
77) Bromobenzene	11.177	156	72725	26.987	ug/l	97
78) n-propylbenzene	11.286	91	309384	26.457	ug/l	99
79) 2-Chlorotoluene	11.347	91	192291	26.967	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	217641	26.224	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34389	29.273	ug/l #	79
82) 4-Chlorotoluene	11.433	91	229554	27.587	ug/l	100
83) tert-Butylbenzene	11.695	119	219423	25.445	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	222251	26.548	ug/l	98
85) sec-Butylbenzene	11.872	105	262703	25.137	ug/l	99
86) p-Isopropyltoluene	11.988	119	223274	24.994	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	131506	26.471	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	133050	25.917	ug/l	99
89) n-Butylbenzene	12.311	91	201562	24.098	ug/l	100
90) Hexachloroethane	12.518	117	42816	23.483	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	124511	25.852	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21051	25.390	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	76675	24.104	ug/l	99
94) Hexachlorobutadiene	13.707	225	27161	20.642	ug/l	95
95) Naphthalene	13.756	128	257654	30.485	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	72553	24.732	ug/l	99

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

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