

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048793.D
 Acq On : 09 Dec 2025 18:12
 Operator : JC/MD
 Sample : Q3788-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Dec 10 00:30:21 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	5.538	168	135862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	235253	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106800	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	86491	47.431	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.860%
35) Dibromofluoromethane	5.367	113	70662	43.624	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.240%
50) Toluene-d8	8.635	98	247323	43.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	87.120%#
62) 4-Bromofluorobenzene	11.061	95	92199	47.090	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.180%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	73772	53.293	ug/l	98
3) Chloromethane	1.301	50	86461	49.496	ug/l	98
4) Vinyl Chloride	1.380	62	86180	46.324	ug/l	99
5) Bromomethane	1.618	94	58836	51.176	ug/l	99
6) Chloroethane	1.697	64	52239	45.118	ug/l	93
7) Trichlorofluoromethane	1.898	101	117779	44.173	ug/l	99
8) Diethyl Ether	2.136	74	51205	48.114	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	65619	42.452	ug/l	100
10) Methyl Iodide	2.459	142	109394	49.711	ug/l	100
11) Tert butyl alcohol	2.934	59	84817	288.095	ug/l	100
12) 1,1-Dichloroethene	2.325	96	256746	162.740	ug/l	95
13) Acrolein	2.233	56	77904	270.202	ug/l	99
14) Allyl chloride	2.666	41	141576	53.451	ug/l	99
15) Acrylonitrile	3.056	53	261289	284.829	ug/l	99
16) Acetone	2.374	43	213792	306.257	ug/l	99
17) Carbon Disulfide	2.514	76	225734	49.271	ug/l	99
18) Methyl Acetate	2.697	43	108805	55.396	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	276190	53.793	ug/l	98
20) Methylene Chloride	2.788	84	85693	49.111	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	96662	60.032	ug/l	92
22) Diisopropyl ether	3.751	45	276574	55.870	ug/l	98
23) Vinyl Acetate	3.709	43	1228265	295.293	ug/l	98
24) 1,1-Dichloroethane	3.605	63	172431	62.464	ug/l	99
25) 2-Butanone	4.532	43	338813	328.849	ug/l	94
26) 2,2-Dichloropropane	4.471	77	117054	47.923	ug/l	91
27) cis-1,2-Dichloroethene	4.477	96	250899	138.086	ug/l	98
28) Bromochloromethane	4.885	49	58780	43.443	ug/l	88
29) Tetrahydrofuran	4.983	42	230997	293.623	ug/l	94
30) Chloroform	5.080	83	152100	51.422	ug/l	98
31) Cyclohexane	5.458	56	109996	44.630	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	125868	47.493	ug/l	97
36) 1,1-Dichloropropene	5.684	75	95456	43.026	ug/l	98
37) Ethyl Acetate	4.696	43	141688	53.448	ug/l	99
38) Carbon Tetrachloride	5.666	117	110526	43.982	ug/l	96
39) Methylcyclohexane	7.367	83	107842	41.108	ug/l	97
40) Benzene	6.025	78	322873	49.092	ug/l	99

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41) Methacrylonitrile	4.898	41	67710	56.137	ug/l	96
42) 1,2-Dichloroethane	6.074	62	127152	54.623	ug/l	99
43) Isopropyl Acetate	6.318	43	210357	52.404	ug/l	97
44) Trichloroethene	7.111	130	124536	72.571	ug/l	96
45) 1,2-Dichloropropane	7.415	63	81628	49.658	ug/l	100
46) Dibromomethane	7.568	93	61457	49.301	ug/l	100
47) Bromodichloromethane	7.806	83	123473	47.508	ug/l	96
48) Methyl methacrylate	7.678	41	104806	51.903	ug/l	98
49) 1,4-Dioxane	7.641	88	36430	1311.794	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	686301	275.449	ug/l	100
52) Toluene	8.702	92	201614	50.837	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	129406	52.337	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	134574	50.643	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	81207	50.891	ug/l	95
56) Ethyl methacrylate	9.098	69	139651	55.912	ug/l	99
57) 1,3-Dichloropropane	9.293	76	136275	51.359	ug/l	99
59) 2-Hexanone	9.415	43	510215	291.712	ug/l	100
60) Dibromochloromethane	9.506	129	99011	50.179	ug/l	98
61) 1,2-Dibromoethane	9.592	107	87969	50.936	ug/l	100
64) Tetrachloroethene	9.257	164	64007	41.260	ug/l	98
65) Chlorobenzene	10.061	112	220538	47.341	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	78469	47.094	ug/l	99
67) Ethyl Benzene	10.177	91	370452	48.733	ug/l	100
68) m/p-Xylenes	10.287	106	282883	95.532	ug/l	98
69) o-Xylene	10.622	106	138772	50.013	ug/l	98
70) Styrene	10.634	104	241974	50.799	ug/l	99
71) Bromoform	10.781	173	72040	48.428	ug/l #	99
73) Isopropylbenzene	10.945	105	341213	47.410	ug/l	100
74) N-amyl acetate	10.823	43	176401	56.410	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	123420	50.823	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	99943m	50.243	ug/l	
77) Bromobenzene	11.177	156	92358	48.079	ug/l	96
78) n-propylbenzene	11.287	91	399588	47.938	ug/l	100
79) 2-Chlorotoluene	11.348	91	242953	47.798	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	279665	47.274	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	43166	51.547	ug/l #	79
82) 4-Chlorotoluene	11.433	91	285817	48.186	ug/l	99
83) tert-Butylbenzene	11.695	119	285168	46.392	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	287351	48.152	ug/l	99
85) sec-Butylbenzene	11.872	105	340091	45.652	ug/l	99
86) p-Isopropyltoluene	11.988	119	288197	45.258	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	165194	46.649	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	169404	46.292	ug/l	99
89) n-Butylbenzene	12.311	91	263521	44.199	ug/l	100
90) Hexachloroethane	12.518	117	55057	42.363	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	161948	47.171	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	27689	46.850	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	100514	44.328	ug/l	98
94) Hexachlorobutadiene	13.707	225	37509	39.992	ug/l	96
95) Naphthalene	13.756	128	350323	53.803	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	96168	45.989	ug/l	99

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

