

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048776.D
 Acq On : 09 Dec 2025 12:25
 Operator : JC/MD
 Sample : Q3788-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 10 00:18:37 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	135940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	240144	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	217048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	109904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103307	56.620	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.240%			
35) Dibromofluoromethane	5.373	113	83892	50.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.480%			
50) Toluene-d8	8.635	98	285687	49.291	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.061	95	105889	52.981	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	81540	58.870	ug/l	97
3) Chloromethane	1.301	50	95748	54.781	ug/l	98
4) Vinyl Chloride	1.386	62	94039	50.520	ug/l	100
5) Bromomethane	1.618	94	66896	58.154	ug/l	98
6) Chloroethane	1.697	64	57507	49.639	ug/l	99
7) Trichlorofluoromethane	1.898	101	130671	48.980	ug/l	99
8) Diethyl Ether	2.136	74	59537	55.911	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	74729	48.317	ug/l	99
10) Methyl Iodide	2.459	142	124403	56.499	ug/l	100
11) Tert butyl alcohol	2.934	59	86113	292.329	ug/l	99
12) 1,1-Dichloroethene	2.325	96	235971	149.486	ug/l	99
13) Acrolein	2.233	56	100392	336.432	ug/l	100
14) Allyl chloride	2.666	41	155415	58.642	ug/l	99
15) Acrylonitrile	3.056	53	287107	312.793	ug/l	99
16) Acetone	2.374	43	244967	350.714	ug/l	99
17) Carbon Disulfide	2.520	76	295598	64.483	ug/l	99
18) Methyl Acetate	2.697	43	122780	62.476	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	310256	60.393	ug/l	96
20) Methylene Chloride	2.794	84	98797	56.589	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	104314	64.747	ug/l	97
22) Diisopropyl ether	3.751	45	319958	64.597	ug/l	97
23) Vinyl Acetate	3.715	43	1433465	344.429	ug/l	97
24) 1,1-Dichloroethane	3.605	63	188848	68.372	ug/l	99
25) 2-Butanone	4.538	43	372205	361.052	ug/l	95
26) 2,2-Dichloropropane	4.471	77	135308	55.364	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	256423	141.045	ug/l	97
28) Bromochloromethane	4.891	49	72321	53.420	ug/l	87
29) Tetrahydrofuran	4.983	42	248048	315.116	ug/l	95
30) Chloroform	5.086	83	172718	58.359	ug/l	97
31) Cyclohexane	5.464	56	123528	50.092	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	140608	53.024	ug/l	96
36) 1,1-Dichloropropene	5.684	75	105364	46.525	ug/l	100
37) Ethyl Acetate	4.690	43	173099	63.967	ug/l	98
38) Carbon Tetrachloride	5.666	117	120680	47.045	ug/l	96
39) Methylcyclohexane	7.367	83	121764	45.470	ug/l	96
40) Benzene	6.025	78	363394	54.128	ug/l	100

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41) Methacrylonitrile	4.904	41	76440	62.084	ug/l	96
42) 1,2-Dichloroethane	6.074	62	144386	60.764	ug/l	98
43) Isopropyl Acetate	6.324	43	240230	58.627	ug/l	98
44) Trichloroethene	7.110	130	123553	70.532	ug/l	97
45) 1,2-Dichloropropane	7.415	63	93799	55.900	ug/l	98
46) Dibromomethane	7.568	93	69618	54.710	ug/l	99
47) Bromodichloromethane	7.805	83	141319	53.267	ug/l	96
48) Methyl methacrylate	7.677	41	117192	56.855	ug/l	99
49) 1,4-Dioxane	7.641	88	31654	1116.602	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	777250	305.598	ug/l	99
52) Toluene	8.702	92	226550	55.961	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	146830	58.174	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	154983	57.136	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	93455	57.374	ug/l	98
56) Ethyl methacrylate	9.098	69	158829	62.296	ug/l	100
57) 1,3-Dichloropropane	9.293	76	158429	58.493	ug/l	99
59) 2-Hexanone	9.415	43	578128	323.809	ug/l	99
60) Dibromochloromethane	9.506	129	113475	56.338	ug/l	99
61) 1,2-Dibromoethane	9.592	107	99150	56.241	ug/l	98
64) Tetrachloroethene	9.256	164	70144	44.336	ug/l	98
65) Chlorobenzene	10.061	112	250428	52.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91020	53.563	ug/l	98
67) Ethyl Benzene	10.177	91	415201	53.557	ug/l	98
68) m/p-Xylenes	10.287	106	321363	106.416	ug/l	97
69) o-Xylene	10.622	106	156529	55.315	ug/l	98
70) Styrene	10.640	104	272688	56.133	ug/l	99
71) Bromoform	10.781	173	80660	53.168	ug/l #	99
73) Isopropylbenzene	10.945	105	383893	51.833	ug/l	99
74) N-amyl acetate	10.823	43	201939	62.752	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	140146	56.081	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	112448m	54.933	ug/l	
77) Bromobenzene	11.183	156	104461	52.844	ug/l	99
78) n-propylbenzene	11.287	91	447602	52.181	ug/l	99
79) 2-Chlorotoluene	11.348	91	275343	52.640	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	321637	52.833	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	50706	58.841	ug/l #	77
82) 4-Chlorotoluene	11.433	91	329661	54.008	ug/l	99
83) tert-Butylbenzene	11.695	119	328897	51.995	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	325878	53.066	ug/l	100
85) sec-Butylbenzene	11.872	105	383423	50.015	ug/l	99
86) p-Isopropyltoluene	11.988	119	329860	50.338	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	190566	52.294	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	190715	50.644	ug/l	98
89) n-Butylbenzene	12.311	91	299686	48.845	ug/l	100
90) Hexachloroethane	12.518	117	63630	47.576	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	182424	51.634	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	31843	52.357	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	115578	49.532	ug/l	100
94) Hexachlorobutadiene	13.707	225	40076	41.522	ug/l	96
95) Naphthalene	13.756	128	397534	58.338	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	107060	49.751	ug/l	98

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

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