

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048567.D
 Acq On : 12 Nov 2025 10:57
 Operator : JC/MD
 Sample : VX1112WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/17/2025

Quant Time: Nov 14 00:25:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	161754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	273225	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	245374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115289	51.151	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.300%			
35) Dibromofluoromethane	5.373	113	96332	46.584	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.160%			
50) Toluene-d8	8.628	98	333291	51.677	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.360%			
62) 4-Bromofluorobenzene	11.061	95	122258	50.866	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	28481	21.730	ug/l	99
3) Chloromethane	1.300	50	33513	19.278	ug/l	99
4) Vinyl Chloride	1.380	62	39267	19.950	ug/l	97
5) Bromomethane	1.617	94	29548	23.774	ug/l	94
6) Chloroethane	1.697	64	25102	19.474	ug/l	97
7) Trichlorofluoromethane	1.892	101	63145	20.278	ug/l	96
8) Diethyl Ether	2.130	74	25698	20.559	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	36781	20.403	ug/l	97
10) Methyl Iodide	2.453	142	53595	20.089	ug/l	99
11) Tert butyl alcohol	2.928	59	41693	97.621	ug/l	99
12) 1,1-Dichloroethene	2.325	96	37366	19.844	ug/l	96
13) Acrolein	2.233	56	10972	177.557	ug/l	96
14) Allyl chloride	2.666	41	69074	19.703	ug/l	98
15) Acrylonitrile	3.050	53	139231	111.673	ug/l	99
16) Acetone	2.367	43	109087	102.247	ug/l	100
17) Carbon Disulfide	2.514	76	99703	18.816	ug/l	99
18) Methyl Acetate	2.697	43	60064	20.486	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	140357	21.108	ug/l	98
20) Methylene Chloride	2.788	84	43880	20.005	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	39707	19.896	ug/l	96
22) Diisopropyl ether	3.739	45	142833	21.217	ug/l #	78
23) Vinyl Acetate	3.709	43	616029	104.485	ug/l	98
24) 1,1-Dichloroethane	3.605	63	75659	20.483	ug/l	98
25) 2-Butanone	4.532	43	178149	112.874	ug/l	96
26) 2,2-Dichloropropane	4.458	77	62348	19.799	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	48418	19.848	ug/l	100
28) Bromochloromethane	4.879	49	34984	19.279	ug/l	98
29) Tetrahydrofuran	4.977	42	122999	109.267	ug/l	99
30) Chloroform	5.074	83	78760	20.654	ug/l	97
31) Cyclohexane	5.452	56	63122	20.856	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	66047	19.846	ug/l	97
36) 1,1-Dichloropropene	5.678	75	49658	17.933	ug/l	99
37) Ethyl Acetate	4.696	43	78669	20.183	ug/l	98
38) Carbon Tetrachloride	5.659	117	58070	18.422	ug/l	98
39) Methylcyclohexane	7.360	83	61735	19.856	ug/l	97
40) Benzene	6.019	78	160737	18.726	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	35471	20.693	ug/l	98
42) 1,2-Dichloroethane	6.068	62	59324	20.172	ug/l	99
43) Isopropyl Acetate	6.318	43	108613	19.823	ug/l	99
44) Trichloroethene	7.104	130	41479	20.217	ug/l	99
45) 1,2-Dichloropropane	7.409	63	41306	20.929	ug/l	100
46) Dibromomethane	7.561	93	31279	21.729	ug/l	97
47) Bromodichloromethane	7.805	83	62650	21.816	ug/l	98
48) Methyl methacrylate	7.677	41	52814	21.683	ug/l	98
49) 1,4-Dioxane	7.635	88	14093	379.724	ug/l #	91
51) 4-Methyl-2-Pentanone	8.555	43	371649	119.160	ug/l	96
52) Toluene	8.702	92	101317	22.420	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	62027	20.962	ug/l	95
54) cis-1,3-Dichloropropene	8.348	75	68189	22.255	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	42060	23.295	ug/l	95
56) Ethyl methacrylate	9.098	69	68663	22.858	ug/l	97
57) 1,3-Dichloropropane	9.287	76	72465	23.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	177325	109.800	ug/l	99
59) 2-Hexanone	9.409	43	275920	118.929	ug/l	99
60) Dibromochloromethane	9.500	129	51037	23.023	ug/l	100
61) 1,2-Dibromoethane	9.592	107	45001	23.012	ug/l	99
64) Tetrachloroethene	9.256	164	34893	19.578	ug/l	99
65) Chlorobenzene	10.061	112	114072	19.586	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	39611	20.298	ug/l	99
67) Ethyl Benzene	10.177	91	189694	19.396	ug/l	99
68) m/p-Xylenes	10.281	106	148400	40.290	ug/l	99
69) o-Xylene	10.622	106	71031	19.710	ug/l	99
70) Styrene	10.634	104	120660	19.959	ug/l	99
71) Bromoform	10.780	173	35430	19.680	ug/l #	99
73) Isopropylbenzene	10.945	105	182685	20.015	ug/l	99
74) N-amyl acetate	10.823	43	90085	19.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	65077	20.218	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	61362m	20.256	ug/l	
77) Bromobenzene	11.177	156	46387	19.682	ug/l	98
78) n-propylbenzene	11.286	91	214349	19.972	ug/l	100
79) 2-Chlorotoluene	11.347	91	127968	19.733	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	148185	19.916	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	19978	18.863	ug/l	92
82) 4-Chlorotoluene	11.433	91	150572	19.794	ug/l	99
83) tert-Butylbenzene	11.695	119	153643	19.964	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	148907	19.835	ug/l	97
85) sec-Butylbenzene	11.872	105	185240	19.475	ug/l	100
86) p-Isopropyltoluene	11.988	119	158690	19.844	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	85532	19.363	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	87000	19.068	ug/l	98
89) n-Butylbenzene	12.311	91	143439	19.121	ug/l	100
90) Hexachloroethane	12.518	117	28697	18.835	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	82449	19.443	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15077	20.157	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	52917	18.779	ug/l	99
94) Hexachlorobutadiene	13.707	225	21870	18.566	ug/l	97
95) Naphthalene	13.756	128	177779	19.623	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	49441	18.863	ug/l	98

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

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