

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048553.D
 Acq On : 11 Nov 2025 11:03
 Operator : JC/MD
 Sample : VX1111WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1111WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:42:44 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	5.532	168	181370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	296769	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	264854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	134907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	125788	49.773	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.540%		
35) Dibromofluoromethane	5.367	113	104792	46.654	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.300%		
50) Toluene-d8	8.629	98	365646	52.195	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.400%		
62) 4-Bromofluorobenzene	11.061	95	133387	51.093	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	30927	21.044	ug/l	94
3) Chloromethane	1.301	50	35535	18.230	ug/l	98
4) Vinyl Chloride	1.380	62	40516	18.358	ug/l	100
5) Bromomethane	1.618	94	29725	21.330	ug/l	96
6) Chloroethane	1.697	64	25461	17.616	ug/l	96
7) Trichlorofluoromethane	1.892	101	64496	18.472	ug/l	94
8) Diethyl Ether	2.130	74	26419	18.850	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	39304	19.445	ug/l	98
10) Methyl Iodide	2.453	142	55346	18.502	ug/l	100
11) Tert butyl alcohol	2.928	59	40000	83.528	ug/l	98
12) 1,1-Dichloroethene	2.325	96	38653	18.307	ug/l	90
13) Acrolein	2.233	56	11823	170.635	ug/l	98
14) Allyl chloride	2.660	41	69677	17.725	ug/l	99
15) Acrylonitrile	3.050	53	135025	96.586	ug/l	99
16) Acetone	2.368	43	111204	92.958	ug/l	99
17) Carbon Disulfide	2.514	76	102721	17.289	ug/l	97
18) Methyl Acetate	2.691	43	57138	17.380	ug/l	96
19) Methyl tert-butyl Ether	3.099	73	140402	18.831	ug/l	100
20) Methylene Chloride	2.782	84	44669	18.162	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	40283	18.002	ug/l	97
22) Diisopropyl ether	3.745	45	140829	18.657	ug/l	95
23) Vinyl Acetate	3.709	43	621404	93.997	ug/l	100
24) 1,1-Dichloroethane	3.599	63	76827	18.549	ug/l	98
25) 2-Butanone	4.532	43	169887	95.998	ug/l	98
26) 2,2-Dichloropropane	4.459	77	62735	17.767	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	48763	17.827	ug/l	97
28) Bromochloromethane	4.879	49	40297	19.805	ug/l	100
29) Tetrahydrofuran	4.977	42	114506	90.721	ug/l	99
30) Chloroform	5.068	83	79267	18.538	ug/l	96
31) Cyclohexane	5.446	56	63624	18.748	ug/l	97
32) 1,1,1-Trichloroethane	5.361	97	68678	18.405	ug/l	99
36) 1,1-Dichloropropene	5.672	75	53437	17.767	ug/l	98
37) Ethyl Acetate	4.684	43	72779	17.190	ug/l	99
38) Carbon Tetrachloride	5.654	117	60224	17.590	ug/l	99
39) Methylcyclohexane	7.361	83	62724	18.573	ug/l	98
40) Benzene	6.019	78	165352	17.736	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	34679	18.626	ug/l	96
42) 1,2-Dichloroethane	6.062	62	58827	18.416	ug/l	100
43) Isopropyl Acetate	6.312	43	107610	18.082	ug/l	99
44) Trichloroethene	7.104	130	43178	19.375	ug/l	96
45) 1,2-Dichloropropane	7.415	63	42601	19.873	ug/l	97
46) Dibromomethane	7.562	93	31748	20.305	ug/l	99
47) Bromodichloromethane	7.806	83	64601	20.711	ug/l	97
48) Methyl methacrylate	7.671	41	52126	19.703	ug/l	100
49) 1,4-Dioxane	7.635	88	13719	340.321	ug/l	96
51) 4-Methyl-2-Pentanone	8.549	43	356061	105.105	ug/l	98
52) Toluene	8.702	92	105462	21.486	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	63816	19.856	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	68479	20.577	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	43308	22.084	ug/l	96
56) Ethyl methacrylate	9.098	69	67680	20.743	ug/l	99
57) 1,3-Dichloropropane	9.287	76	72236	21.162	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	173624	98.979	ug/l	100
59) 2-Hexanone	9.409	43	264808	105.085	ug/l	99
60) Dibromochloromethane	9.500	129	52067	21.624	ug/l	100
61) 1,2-Dibromoethane	9.592	107	46173	21.738	ug/l	100
64) Tetrachloroethene	9.257	164	36335	18.888	ug/l	96
65) Chlorobenzene	10.061	112	117508	18.692	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	40927	19.430	ug/l	98
67) Ethyl Benzene	10.177	91	196174	18.584	ug/l	99
68) m/p-Xylenes	10.281	106	154243	38.796	ug/l	99
69) o-Xylene	10.622	106	73274	18.837	ug/l	98
70) Styrene	10.634	104	124616	19.098	ug/l	99
71) Bromoform	10.781	173	36041	18.547	ug/l #	100
73) Isopropylbenzene	10.945	105	188347	19.234	ug/l	99
74) N-amyl acetate	10.823	43	88315	17.962	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	65840	19.066	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	60635m	18.656	ug/l	
77) Bromobenzene	11.177	156	48423	19.150	ug/l	99
78) n-propylbenzene	11.287	91	219617	19.073	ug/l	99
79) 2-Chlorotoluene	11.348	91	130595	18.770	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	154131	19.308	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20762	18.272	ug/l	97
82) 4-Chlorotoluene	11.433	91	153145	18.764	ug/l	98
83) tert-Butylbenzene	11.695	119	160210	19.403	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	153696	19.082	ug/l	99
85) sec-Butylbenzene	11.872	105	194985	19.107	ug/l	98
86) p-Isopropyltoluene	11.988	119	166449	19.401	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	89007	18.781	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	91169	18.624	ug/l	99
89) n-Butylbenzene	12.311	91	148952	18.507	ug/l	99
90) Hexachloroethane	12.518	117	29474	18.031	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	84215	18.511	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.921	75	14086	17.552	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	52225	17.275	ug/l	99
94) Hexachlorobutadiene	13.707	225	21439	16.964	ug/l	99
95) Naphthalene	13.756	128	176363	18.144	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	50804	18.066	ug/l	97

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

