

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048727.D
 Acq On : 05 Dec 2025 11:59
 Operator : JC/MD
 Sample : VX1205WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2025
 Supervised By : Semsettin Yesilyurt 12/08/2025

Quant Time: Dec 05 22:00:30 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

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	168486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	270986	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	243806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	123117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	114897	50.808	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.620%			
35) Dibromofluoromethane	5.361	113	88118	47.227	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.460%			
50) Toluene-d8	8.629	98	313274	47.899	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.800%			
62) 4-Bromofluorobenzene	11.061	95	111321	49.359	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.720%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	33599	19.572	ug/l	98
3) Chloromethane	1.301	50	37665	17.387	ug/l	99
4) Vinyl Chloride	1.380	62	39474	17.110	ug/l	99
5) Bromomethane	1.618	94	27757	19.469	ug/l	98
6) Chloroethane	1.697	64	24436	17.018	ug/l	94
7) Trichlorofluoromethane	1.898	101	60358	18.254	ug/l	100
8) Diethyl Ether	2.130	74	22215	16.832	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	31037	16.191	ug/l	97
10) Methyl Iodide	2.453	142	42291	15.497	ug/l	95
11) Tert butyl alcohol	2.922	59	31156	85.335	ug/l	100
12) 1,1-Dichloroethene	2.325	96	30123	15.397	ug/l	96
13) Acrolein	2.233	56	29232	109.777	ug/l	98
14) Allyl chloride	2.666	41	49036	14.928	ug/l	89
15) Acrylonitrile	3.050	53	104304	91.685	ug/l	99
16) Acetone	2.368	43	72587	83.847	ug/l	96
17) Carbon Disulfide	2.514	76	87796	15.453	ug/l	98
18) Methyl Acetate	2.697	43	37167	15.259	ug/l	97
19) Methyl tert-butyl Ether	3.099	73	122277	19.204	ug/l	97
20) Methylene Chloride	2.788	84	32922	15.215	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	36104	18.081	ug/l	98
22) Diisopropyl ether	3.739	45	124478	20.277	ug/l #	77
23) Vinyl Acetate	3.703	43	544656	105.589	ug/l	97
24) 1,1-Dichloroethane	3.599	63	67185	19.625	ug/l	99
25) 2-Butanone	4.526	43	138951	108.751	ug/l	93
26) 2,2-Dichloropropane	4.459	77	60742	20.053	ug/l	96
27) cis-1,2-Dichloroethene	4.471	96	42182	18.720	ug/l	90
28) Bromochloromethane	4.879	49	28515	16.994	ug/l	90
29) Tetrahydrofuran	4.977	42	95573	97.961	ug/l	95
30) Chloroform	5.068	83	71756	19.562	ug/l	99
31) Cyclohexane	5.452	56	57947	18.959	ug/l	94
32) 1,1,1-Trichloroethane	5.361	97	65133	19.817	ug/l	96
36) 1,1-Dichloropropene	5.672	75	47110	18.434	ug/l	99
37) Ethyl Acetate	4.684	43	65009	21.289	ug/l	95
38) Carbon Tetrachloride	5.660	117	57216	19.766	ug/l	98
39) Methylcyclohexane	7.361	83	63735	21.091	ug/l	100
40) Benzene	6.019	78	145526	19.209	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	30506	21.957	ug/l	90
42) 1,2-Dichloroethane	6.062	62	56238	20.974	ug/l	95
43) Isopropyl Acetate	6.312	43	95353	20.622	ug/l	95
44) Trichloroethene	7.111	130	40207	20.340	ug/l	96
45) 1,2-Dichloropropane	7.409	63	40173	21.216	ug/l	100
46) Dibromomethane	7.562	93	30927	21.538	ug/l	97
47) Bromodichloromethane	7.799	83	65571	21.902	ug/l	98
48) Methyl methacrylate	7.671	41	51185	22.006	ug/l	97
49) 1,4-Dioxane	7.641	88	12670	396.069	ug/l	91
51) 4-Methyl-2-Pentanone	8.549	43	307345	107.088	ug/l	96
52) Toluene	8.702	92	91283	19.982	ug/l	97
53) t-1,3-Dichloropropene	8.958	75	57729	20.269	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	61684	20.152	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	36595	19.909	ug/l	98
56) Ethyl methacrylate	9.098	69	58405	20.300	ug/l #	92
57) 1,3-Dichloropropane	9.287	76	62135	20.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	143298	92.153	ug/l	99
59) 2-Hexanone	9.409	43	229155	113.742	ug/l	96
60) Dibromochloromethane	9.500	129	45274	19.919	ug/l	99
61) 1,2-Dibromoethane	9.592	107	40474	20.345	ug/l	100
64) Tetrachloroethene	9.257	164	32006	18.010	ug/l	96
65) Chlorobenzene	10.061	112	102376	19.184	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	36694	19.224	ug/l	98
67) Ethyl Benzene	10.177	91	172538	19.813	ug/l	99
68) m/p-Xylenes	10.281	106	133132	39.247	ug/l	99
69) o-Xylene	10.622	106	62510	19.666	ug/l	98
70) Styrene	10.634	104	108651	19.911	ug/l	100
71) Bromoform	10.781	173	32069	18.819	ug/l #	99
73) Isopropylbenzene	10.945	105	166106	20.021	ug/l	100
74) N-amyl acetate	10.823	43	77592	21.524	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	54260	19.383	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	52457m	22.876	ug/l	
77) Bromobenzene	11.177	156	42623	19.248	ug/l	98
78) n-propylbenzene	11.287	91	199101	20.720	ug/l	100
79) 2-Chlorotoluene	11.348	91	116668	19.911	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	136793	20.058	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	17741	18.378	ug/l	91
82) 4-Chlorotoluene	11.433	91	138202	20.212	ug/l	100
83) tert-Butylbenzene	11.695	119	139992	19.756	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	138765	20.171	ug/l	99
85) sec-Butylbenzene	11.872	105	174812	20.356	ug/l	100
86) p-Isopropyltoluene	11.988	119	148273	20.199	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	78674	19.272	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	80568	19.099	ug/l	98
89) n-Butylbenzene	12.311	91	134336	19.545	ug/l	99
90) Hexachloroethane	12.518	117	27377	18.273	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	74089	18.720	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	12330	18.098	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	54355	20.794	ug/l	98
94) Hexachlorobutadiene	13.701	225	23109	21.373	ug/l	96
95) Naphthalene	13.756	128	168337	24.532	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	43816	18.176	ug/l	98

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

