

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
 Data File : VX048590.D
 Acq On : 13 Nov 2025 13:20
 Operator : JC/MD
 Sample : VX1113WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 03:56:21 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	136072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	229897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	109743	57.880	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.760%			
35) Dibromofluoromethane	5.367	113	85118	48.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.840%			
50) Toluene-d8	8.628	98	297120	54.751	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.500%			
62) 4-Bromofluorobenzene	11.061	95	111675	55.219	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.440%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	25562	23.183	ug/l	97
3) Chloromethane	1.301	50	32706	22.364	ug/l	99
4) Vinyl Chloride	1.380	62	38661	23.349	ug/l	100
5) Bromomethane	1.618	94	29271	27.996	ug/l	96
6) Chloroethane	1.697	64	24842	22.909	ug/l	98
7) Trichlorofluoromethane	1.892	101	60599	23.134	ug/l	100
8) Diethyl Ether	2.130	74	25579	24.326	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	30411	20.053	ug/l	95
10) Methyl Iodide	2.453	142	42285	18.841	ug/l	95
11) Tert butyl alcohol	2.934	59	37850	105.349	ug/l	98
12) 1,1-Dichloroethene	2.325	96	28575	18.040	ug/l	92
13) Acrolein	2.233	56	6310	121.386	ug/l	92
14) Allyl chloride	2.666	41	57895	19.631	ug/l	93
15) Acrylonitrile	3.050	53	107917	102.894	ug/l	94
16) Acetone	2.367	43	95036	105.889	ug/l	92
17) Carbon Disulfide	2.514	76	77815	17.457	ug/l	100
18) Methyl Acetate	2.697	43	51105	20.720	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	122013	21.813	ug/l	96
20) Methylene Chloride	2.788	84	35587	19.286	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	32780	19.525	ug/l	94
22) Diisopropyl ether	3.745	45	125874	22.227	ug/l	95
23) Vinyl Acetate	3.709	43	544027	109.688	ug/l	99
24) 1,1-Dichloroethane	3.599	63	63346	20.386	ug/l	99
25) 2-Butanone	4.532	43	150450	113.316	ug/l	99
26) 2,2-Dichloropropane	4.458	77	54818	20.693	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	39319	19.160	ug/l	91
28) Bromochloromethane	4.885	49	29076	19.048	ug/l	95
29) Tetrahydrofuran	4.977	42	103767	109.581	ug/l	95
30) Chloroform	5.074	83	68091	21.226	ug/l	94
31) Cyclohexane	5.446	56	49782	19.553	ug/l	96
32) 1,1,1-Trichloroethane	5.361	97	58453	20.879	ug/l	98
36) 1,1-Dichloropropene	5.678	75	43154	18.522	ug/l	97
37) Ethyl Acetate	4.690	43	69458	21.178	ug/l	97
38) Carbon Tetrachloride	5.660	117	50911	19.195	ug/l	94
39) Methylcyclohexane	7.367	83	51041	19.510	ug/l	98
40) Benzene	6.019	78	135262	18.728	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	29585	20.512	ug/l	94
42) 1,2-Dichloroethane	6.068	62	53592	21.657	ug/l	97
43) Isopropyl Acetate	6.318	43	95962	20.815	ug/l	98
44) Trichloroethene	7.104	130	34872	20.200	ug/l	99
45) 1,2-Dichloropropane	7.415	63	35926	21.634	ug/l	96
46) Dibromomethane	7.562	93	27202	22.459	ug/l	95
47) Bromodichloromethane	7.805	83	54677	22.628	ug/l	99
48) Methyl methacrylate	7.671	41	46894	22.881	ug/l	92
49) 1,4-Dioxane	7.641	88	13873	444.244	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	324745	123.744	ug/l	95
52) Toluene	8.702	92	85872	22.583	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	55582	22.324	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	60464	23.453	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	35557	23.405	ug/l	97
56) Ethyl methacrylate	9.098	69	59377	23.492	ug/l #	92
57) 1,3-Dichloropropane	9.287	76	62227	23.533	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	149216	109.808	ug/l	98
59) 2-Hexanone	9.415	43	243419	124.695	ug/l	95
60) Dibromochloromethane	9.506	129	43438	23.288	ug/l	96
61) 1,2-Dibromoethane	9.592	107	38402	23.338	ug/l	99
64) Tetrachloroethene	9.256	164	29917	19.841	ug/l	97
65) Chlorobenzene	10.061	112	97313	19.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	34891	21.133	ug/l	100
67) Ethyl Benzene	10.177	91	162788	19.674	ug/l	98
68) m/p-Xylenes	10.281	106	125684	40.331	ug/l	97
69) o-Xylene	10.622	106	60936	19.986	ug/l	99
70) Styrene	10.640	104	104554	20.442	ug/l	98
71) Bromoform	10.781	173	30762	20.196	ug/l #	99
73) Isopropylbenzene	10.945	105	157630	20.078	ug/l	99
74) N-amyl acetate	10.823	43	84456	21.424	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	56560	20.429	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	52410m	20.113	ug/l	
77) Bromobenzene	11.183	156	39556	19.512	ug/l	94
78) n-propylbenzene	11.287	91	185522	20.096	ug/l	98
79) 2-Chlorotoluene	11.348	91	111440	19.977	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	125499	19.608	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	17491	19.200	ug/l	92
82) 4-Chlorotoluene	11.439	91	132667	20.275	ug/l	100
83) tert-Butylbenzene	11.695	119	132019	19.943	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	130516	20.211	ug/l	99
85) sec-Butylbenzene	11.872	105	162691	19.885	ug/l	99
86) p-Isopropyltoluene	11.988	119	138317	20.108	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	73774	19.416	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	76281	19.436	ug/l	98
89) n-Butylbenzene	12.311	91	128649	19.937	ug/l	97
90) Hexachloroethane	12.518	117	25073	19.132	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	72303	19.822	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	12918	20.077	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	46185	19.054	ug/l	99
94) Hexachlorobutadiene	13.707	225	19246	18.994	ug/l	96
95) Naphthalene	13.756	128	154895	19.876	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	43335	19.221	ug/l	99

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

