

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111425\
 Data File : VX048606.D
 Acq On : 14 Nov 2025 13:56
 Operator : JC/MD
 Sample : VX1114WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1114WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 22:20:03 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	5.538	168	135088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	229737	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	109541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	89526	47.561	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.120%		
35) Dibromofluoromethane	5.373	113	70708	40.665	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.320%		
50) Toluene-d8	8.635	98	238080	43.902	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.800%#		
62) 4-Bromofluorobenzene	11.061	95	87993	43.540	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	18313	16.730	ug/l	99
3) Chloromethane	1.301	50	26667	18.368	ug/l	99
4) Vinyl Chloride	1.380	62	32347	19.678	ug/l	96
5) Bromomethane	1.618	94	24852	23.943	ug/l	98
6) Chloroethane	1.697	64	21457	19.932	ug/l	99
7) Trichlorofluoromethane	1.898	101	51683	19.874	ug/l	96
8) Diethyl Ether	2.136	74	22774	21.817	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	31160	20.697	ug/l	97
10) Methyl Iodide	2.459	142	46312	20.786	ug/l	99
11) Tert butyl alcohol	2.935	59	32032	89.805	ug/l	100
12) 1,1-Dichloroethene	2.325	96	31247	19.870	ug/l	96
13) Acrolein	2.233	56	5389	104.423	ug/l	94
14) Allyl chloride	2.666	41	58749	20.065	ug/l	98
15) Acrylonitrile	3.056	53	92106	88.458	ug/l	99
16) Acetone	2.374	43	90838	101.949	ug/l	99
17) Carbon Disulfide	2.520	76	78813	17.810	ug/l	99
18) Methyl Acetate	2.697	43	49677	20.288	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	100614	18.118	ug/l	97
20) Methylene Chloride	2.788	84	35047	19.132	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	26761	16.056	ug/l	94
22) Diisopropyl ether	3.751	45	107122	19.054	ug/l	93
23) Vinyl Acetate	3.715	43	462258	93.880	ug/l	97
24) 1,1-Dichloroethane	3.605	63	55750	18.072	ug/l	98
25) 2-Butanone	4.538	43	127542	96.762	ug/l	93
26) 2,2-Dichloropropane	4.465	77	47898	18.213	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	34325	16.848	ug/l	94
28) Bromochloromethane	4.885	49	31016	20.466	ug/l	91
29) Tetrahydrofuran	4.989	42	84051	89.407	ug/l	99
30) Chloroform	5.080	83	58300	18.306	ug/l	97
31) Cyclohexane	5.458	56	41653	16.479	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	51067	18.374	ug/l	97
36) 1,1-Dichloropropene	5.678	75	36957	15.873	ug/l	97
37) Ethyl Acetate	4.690	43	53186	16.228	ug/l	99
38) Carbon Tetrachloride	5.666	117	44150	16.658	ug/l	97
39) Methylcyclohexane	7.367	83	40573	15.520	ug/l	93
40) Benzene	6.025	78	116581	16.153	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	25615	17.772	ug/l	97
42) 1,2-Dichloroethane	6.074	62	46590	18.841	ug/l	97
43) Isopropyl Acetate	6.324	43	83100	18.037	ug/l	96
44) Trichloroethene	7.117	130	29902	17.333	ug/l	98
45) 1,2-Dichloropropane	7.415	63	30031	18.097	ug/l	97
46) Dibromomethane	7.568	93	23395	19.329	ug/l	96
47) Bromodichloromethane	7.812	83	46671	19.328	ug/l	99
48) Methyl methacrylate	7.678	41	39591	19.331	ug/l	93
49) 1,4-Dioxane	7.647	88	11536	369.665	ug/l #	92
51) 4-Methyl-2-Pentanone	8.555	43	275000	104.862	ug/l	96
52) Toluene	8.702	92	74963	19.728	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	49119	19.742	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	51582	20.022	ug/l	94
55) 1,1,2-Trichloroethane	9.135	97	31537	20.774	ug/l	93
56) Ethyl methacrylate	9.104	69	50691	20.069	ug/l	94
57) 1,3-Dichloropropane	9.293	76	52726	19.953	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	126816	93.389	ug/l	98
59) 2-Hexanone	9.415	43	205243	105.212	ug/l	96
60) Dibromochloromethane	9.507	129	38272	20.533	ug/l	97
61) 1,2-Dibromoethane	9.592	107	33518	20.384	ug/l	97
64) Tetrachloroethene	9.257	164	24786	16.065	ug/l	97
65) Chlorobenzene	10.061	112	83429	16.547	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.147	131	30112	17.824	ug/l	100
67) Ethyl Benzene	10.177	91	141461	16.708	ug/l	99
68) m/p-Xylenes	10.287	106	106870	33.515	ug/l	96
69) o-Xylene	10.622	106	51280	16.437	ug/l	96
70) Styrene	10.640	104	89392	17.081	ug/l	98
71) Bromoform	10.781	173	26135	16.769	ug/l #	99
73) Isopropylbenzene	10.945	105	132705	16.690	ug/l	99
74) N-amyl acetate	10.829	43	69421	17.388	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	48326	17.235	ug/l	100
76) 1,2,3-Trichloropropane	11.226	75	43534m	16.496	ug/l	
77) Bromobenzene	11.183	156	34606	16.855	ug/l	95
78) n-propylbenzene	11.287	91	157594	16.856	ug/l	99
79) 2-Chlorotoluene	11.348	91	94147	16.665	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	108605	16.755	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	15145	16.415	ug/l	89
82) 4-Chlorotoluene	11.439	91	112610	16.993	ug/l	100
83) tert-Butylbenzene	11.695	119	112060	16.715	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	111603	17.064	ug/l	99
85) sec-Butylbenzene	11.872	105	137337	16.574	ug/l	100
86) p-Isopropyltoluene	11.994	119	115198	16.536	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	64792	16.837	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	65682	16.525	ug/l	97
89) n-Butylbenzene	12.311	91	119990	18.361	ug/l	99
90) Hexachloroethane	12.518	117	24183	18.220	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	70144	18.988	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	11030	16.927	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	39484	16.084	ug/l	99
94) Hexachlorobutadiene	13.707	225	15553	15.156	ug/l	99
95) Naphthalene	13.756	128	130840	16.578	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	37377	16.369	ug/l	97

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

