

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048157.D
 Acq On : 14 Oct 2025 11:47
 Operator : JC/MD
 Sample : VX1014WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:41:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	130530	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	213217	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	200566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92038	44.298	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.600%		
35) Dibromofluoromethane	5.367	113	77345	54.089	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.180%		
50) Toluene-d8	8.635	98	258374	52.219	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.440%		
62) 4-Bromofluorobenzene	11.061	95	102670	54.675	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	29476	21.807	ug/l	94
3) Chloromethane	1.300	50	32046	18.039	ug/l	98
4) Vinyl Chloride	1.380	62	33071	19.018	ug/l	97
5) Bromomethane	1.617	94	20708	18.780	ug/l	99
6) Chloroethane	1.697	64	18547	15.958	ug/l	98
7) Trichlorofluoromethane	1.898	101	47096	18.240	ug/l	99
8) Diethyl Ether	2.136	74	14507	13.735	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	29464	19.516	ug/l	99
10) Methyl Iodide	2.453	142	33428	14.197	ug/l	99
11) Tert butyl alcohol	2.940	59	14374	62.117	ug/l	99
12) 1,1-Dichloroethene	2.325	96	28376	18.297	ug/l	95
13) Acrolein	2.233	56	13742	64.444	ug/l	97
14) Allyl chloride	2.666	41	47286	14.776	ug/l	96
15) Acrylonitrile	3.056	53	65253	76.130	ug/l	99
16) Acetone	2.373	43	56532	62.577	ug/l	95
17) Carbon Disulfide	2.514	76	84341	19.866	ug/l	99
18) Methyl Acetate	2.697	43	26071	12.967	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	89682	15.841	ug/l	100
20) Methylene Chloride	2.788	84	32653	17.076	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	30136	18.049	ug/l	93
22) Diisopropyl ether	3.751	45	102369	16.506	ug/l	99
23) Vinyl Acetate	3.709	43	375976	75.744	ug/l	98
24) 1,1-Dichloroethane	3.605	63	57257	17.369	ug/l	99
25) 2-Butanone	4.538	43	79711	70.737	ug/l	98
26) 2,2-Dichloropropane	4.458	77	47984	17.511	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	36523	17.862	ug/l	97
28) Bromochloromethane	4.885	49	26087	18.127	ug/l	91
29) Tetrahydrofuran	4.989	42	47915	70.682	ug/l	97
30) Chloroform	5.080	83	61094	18.340	ug/l	93
31) Cyclohexane	5.458	56	51644	18.810	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	53496	18.933	ug/l	99
36) 1,1-Dichloropropene	5.678	75	42143	20.169	ug/l	98
37) Ethyl Acetate	4.696	43	33480	14.965	ug/l #	96
38) Carbon Tetrachloride	5.666	117	48003	21.144	ug/l	96
39) Methylcyclohexane	7.366	83	50477	21.282	ug/l	94
40) Benzene	6.019	78	128511	20.250	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	17825	15.433	ug/l	96
42) 1,2-Dichloroethane	6.068	62	45254	18.741	ug/l	97
43) Isopropyl Acetate	6.318	43	57277	15.610	ug/l	97
44) Trichloroethene	7.110	130	32450	21.150	ug/l	94
45) 1,2-Dichloropropane	7.409	63	31425	19.338	ug/l	96
46) Dibromomethane	7.568	93	22506	19.032	ug/l	93
47) Bromodichloromethane	7.805	83	48507	19.878	ug/l	97
48) Methyl methacrylate	7.677	41	29284	16.022	ug/l	97
49) 1,4-Dioxane	7.641	88	6785	367.338	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	168280	82.718	ug/l	100
52) Toluene	8.702	92	81287	20.790	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	46963	18.867	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	51810	19.474	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	30344	20.127	ug/l	99
56) Ethyl methacrylate	9.098	69	41227	17.412	ug/l	95
57) 1,3-Dichloropropane	9.293	76	52323	20.203	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	89842	86.784	ug/l	96
59) 2-Hexanone	9.415	43	113847	77.919	ug/l	95
60) Dibromochloromethane	9.506	129	37625	21.659	ug/l	99
61) 1,2-Dibromoethane	9.592	107	31923	20.788	ug/l	99
64) Tetrachloroethene	9.256	164	29991	22.938	ug/l	96
65) Chlorobenzene	10.061	112	90122	19.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	31973	20.335	ug/l	98
67) Ethyl Benzene	10.177	91	151137	19.224	ug/l	100
68) m/p-Xylenes	10.287	106	116808	39.917	ug/l	97
69) o-Xylene	10.622	106	54569	19.280	ug/l	96
70) Styrene	10.640	104	95353	19.227	ug/l	98
71) Bromoform	10.780	173	24382	20.768	ug/l #	98
73) Isopropylbenzene	10.945	105	143591	17.711	ug/l	98
74) N-amyl acetate	10.823	43	50968	13.786	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	41095	16.754	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	39683m	18.379	ug/l	
77) Bromobenzene	11.183	156	36590	18.324	ug/l	93
78) n-propylbenzene	11.286	91	172966	18.047	ug/l	99
79) 2-Chlorotoluene	11.347	91	104052	17.726	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	120053	18.024	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	11963	14.130	ug/l	99
82) 4-Chlorotoluene	11.439	91	123395	17.799	ug/l	99
83) tert-Butylbenzene	11.695	119	119295	17.495	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	121604	18.007	ug/l	99
85) sec-Butylbenzene	11.872	105	148790	18.371	ug/l	100
86) p-Isopropyltoluene	11.994	119	127115	18.539	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	67962	18.324	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	69178	18.173	ug/l	98
89) n-Butylbenzene	12.317	91	114516	18.049	ug/l	98
90) Hexachloroethane	12.518	117	24591	20.427	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	63752	18.042	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7433	14.967	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	38659	16.834	ug/l	98
94) Hexachlorobutadiene	13.707	225	15799	20.254	ug/l	98
95) Naphthalene	13.756	128	102780	14.698	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	36384	17.032	ug/l	99

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

