

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047938.D
 Acq On : 01 Oct 2025 14:27
 Operator : JC/MD
 Sample : VX1001WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 01:22:03 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	5.544	168	137139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	249189	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	236087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123744	56.688	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.380%			
35) Dibromofluoromethane	5.379	113	92504	55.352	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.700%			
50) Toluene-d8	8.634	98	308604	53.367	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.740%			
62) 4-Bromofluorobenzene	11.061	95	124199	56.592	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	29040	20.449	ug/l	95
3) Chloromethane	1.307	50	33958	18.194	ug/l	99
4) Vinyl Chloride	1.380	62	36224	19.827	ug/l	98
5) Bromomethane	1.617	94	24246	20.928	ug/l	97
6) Chloroethane	1.697	64	23725	19.429	ug/l	92
7) Trichlorofluoromethane	1.898	101	54978	20.267	ug/l	97
8) Diethyl Ether	2.136	74	21471	19.349	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	33242	20.957	ug/l	97
10) Methyl Iodide	2.459	142	37046	14.975	ug/l	99
11) Tert butyl alcohol	2.940	59	20309	83.536	ug/l	100
12) 1,1-Dichloroethene	2.331	96	31587	19.386	ug/l	96
13) Acrolein	2.239	56	17125	76.438	ug/l	99
14) Allyl chloride	2.672	41	62000	18.440	ug/l	99
15) Acrylonitrile	3.062	53	96686	107.366	ug/l	98
16) Acetone	2.373	43	79092	83.331	ug/l	97
17) Carbon Disulfide	2.520	76	82134	18.414	ug/l	98
18) Methyl Acetate	2.703	43	47425	22.452	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	118080	19.852	ug/l	97
20) Methylene Chloride	2.788	84	40511	20.164	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	34828	19.854	ug/l	99
22) Diisopropyl ether	3.757	45	136721	20.982	ug/l	98
23) Vinyl Acetate	3.715	43	520778	99.859	ug/l	99
24) 1,1-Dichloroethane	3.611	63	72089	20.815	ug/l	99
25) 2-Butanone	4.544	43	115169	97.277	ug/l	97
26) 2,2-Dichloropropane	4.465	77	53557	18.603	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	44271	20.607	ug/l	97
28) Bromochloromethane	4.885	49	33513	22.165	ug/l	99
29) Tetrahydrofuran	4.995	42	73107	102.646	ug/l	97
30) Chloroform	5.080	83	74102	21.173	ug/l	98
31) Cyclohexane	5.464	56	53137	18.421	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	60951	20.532	ug/l	98
36) 1,1-Dichloropropene	5.684	75	45819	18.763	ug/l	97
37) Ethyl Acetate	4.708	43	48209	18.438	ug/l	98
38) Carbon Tetrachloride	5.672	117	50883	19.177	ug/l	93
39) Methylcyclohexane	7.366	83	47829	17.254	ug/l	98
40) Benzene	6.031	78	148671	20.045	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	26039	19.290	ug/l	96
42) 1,2-Dichloroethane	6.074	62	56829	20.137	ug/l	98
43) Isopropyl Acetate	6.324	43	83150	19.390	ug/l	99
44) Trichloroethene	7.116	130	36164	20.168	ug/l	97
45) 1,2-Dichloropropane	7.415	63	39291	20.688	ug/l	93
46) Dibromomethane	7.568	93	28421	20.564	ug/l	98
47) Bromodichloromethane	7.811	83	59116	20.728	ug/l	97
48) Methyl methacrylate	7.677	41	41483	19.421	ug/l	99
49) 1,4-Dioxane	7.647	88	9239	427.991	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	253914	106.794	ug/l	98
52) Toluene	8.702	92	92966	20.344	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	56661	19.478	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	61588	19.808	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	37011	21.005	ug/l	98
56) Ethyl methacrylate	9.104	69	54759	19.789	ug/l	99
57) 1,3-Dichloropropane	9.293	76	64520	21.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	133825	108.107	ug/l	100
59) 2-Hexanone	9.415	43	171578	100.479	ug/l	99
60) Dibromochloromethane	9.506	129	43765	21.557	ug/l	99
61) 1,2-Dibromoethane	9.598	107	38889	21.669	ug/l	100
64) Tetrachloroethene	9.262	164	29089	18.901	ug/l	93
65) Chlorobenzene	10.061	112	102960	19.197	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	36499	19.721	ug/l	98
67) Ethyl Benzene	10.177	91	172725	18.664	ug/l	98
68) m/p-Xylenes	10.287	106	130163	37.789	ug/l	99
69) o-Xylene	10.628	106	62881	18.874	ug/l	99
70) Styrene	10.640	104	111901	19.169	ug/l	99
71) Bromoform	10.787	173	27304	19.757	ug/l #	100
73) Isopropylbenzene	10.945	105	160180	16.711	ug/l	98
74) N-amyl acetate	10.829	43	71859	16.440	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	54488	18.789	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	47112m	18.456	ug/l	
77) Bromobenzene	11.183	156	41983	17.783	ug/l	96
78) n-propylbenzene	11.286	91	191631	16.912	ug/l	100
79) 2-Chlorotoluene	11.347	91	118388	17.059	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	133698	16.977	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	15006	14.991	ug/l	94
82) 4-Chlorotoluene	11.439	91	141108	17.216	ug/l	100
83) tert-Butylbenzene	11.695	119	131618	16.326	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	134936	16.900	ug/l	100
85) sec-Butylbenzene	11.872	105	159899	16.699	ug/l	100
86) p-Isopropyltoluene	11.994	119	133400	16.455	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	76226	17.383	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	78952	17.543	ug/l	100
89) n-Butylbenzene	12.317	91	119085	15.875	ug/l	99
90) Hexachloroethane	12.518	117	23581	16.568	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	73005	17.475	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	9973	16.986	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	41037	15.115	ug/l	99
94) Hexachlorobutadiene	13.707	225	13927	15.102	ug/l	98
95) Naphthalene	13.756	128	127066	15.369	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	40072	15.866	ug/l	99

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

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