

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047930.D
 Acq On : 01 Oct 2025 11:41
 Operator : JC/MD
 Sample : VX1001WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1001WBS02

Manual Integrations
 APPROVED

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

Quant Time: Oct 03 01:17:42 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	160882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	291448	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	276893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133342	52.070	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.140%			
35) Dibromofluoromethane	5.373	113	102516	52.448	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	8.635	98	355185	52.516	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.040%			
62) 4-Bromofluorobenzene	11.061	95	141460	55.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	30006	18.011	ug/l	97
3) Chloromethane	1.301	50	35126	16.043	ug/l	99
4) Vinyl Chloride	1.380	62	36409	16.987	ug/l	99
5) Bromomethane	1.618	94	25647	18.871	ug/l	94
6) Chloroethane	1.697	64	24225	16.911	ug/l	95
7) Trichlorofluoromethane	1.898	101	56156	17.646	ug/l	97
8) Diethyl Ether	2.136	74	22246	17.089	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	33661	18.089	ug/l	99
10) Methyl Iodide	2.459	142	41220	14.203	ug/l	99
11) Tert butyl alcohol	2.940	59	21517	75.443	ug/l	99
12) 1,1-Dichloroethene	2.325	96	32299	16.898	ug/l	88
13) Acrolein	2.239	56	16920	64.377	ug/l	99
14) Allyl chloride	2.672	41	64625	16.384	ug/l	97
15) Acrylonitrile	3.062	53	99641	94.318	ug/l	98
16) Acetone	2.374	43	88802	79.753	ug/l	98
17) Carbon Disulfide	2.520	76	83732	16.001	ug/l	100
18) Methyl Acetate	2.703	43	49027	19.785	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	122600	17.570	ug/l	99
20) Methylene Chloride	2.788	84	42562	18.058	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	36025	17.506	ug/l	99
22) Diisopropyl ether	3.751	45	138900	18.171	ug/l #	78
23) Vinyl Acetate	3.715	43	542848	88.729	ug/l	100
24) 1,1-Dichloroethane	3.605	63	73407	18.067	ug/l	96
25) 2-Butanone	4.544	43	121862	87.740	ug/l	96
26) 2,2-Dichloropropane	4.471	77	58342	17.274	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	44840	17.792	ug/l	99
28) Bromochloromethane	4.885	49	31025	17.491	ug/l	99
29) Tetrahydrofuran	4.995	42	73566	88.047	ug/l	98
30) Chloroform	5.080	83	75705	18.439	ug/l	98
31) Cyclohexane	5.464	56	55006	16.255	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	62222	17.867	ug/l	99
36) 1,1-Dichloropropene	5.690	75	46459	16.266	ug/l	98
37) Ethyl Acetate	4.702	43	48230	15.771	ug/l	99
38) Carbon Tetrachloride	5.672	117	51843	16.706	ug/l	97
39) Methylcyclohexane	7.367	83	52701	16.255	ug/l	98
40) Benzene	6.025	78	151676	17.485	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	28288	17.918	ug/l	98
42) 1,2-Dichloroethane	6.074	62	58407	17.696	ug/l	99
43) Isopropyl Acetate	6.324	43	86259	17.198	ug/l	100
44) Trichloroethene	7.110	130	36377	17.345	ug/l	96
45) 1,2-Dichloropropane	7.415	63	40835	18.383	ug/l	95
46) Dibromomethane	7.568	93	29295	18.123	ug/l	97
47) Bromodichloromethane	7.805	83	61850	18.542	ug/l	99
48) Methyl methacrylate	7.677	41	42027	16.822	ug/l	99
49) 1,4-Dioxane	7.647	88	10019	396.827	ug/l	97
51) 4-Methyl-2-Pentanone	8.561	43	255778	91.979	ug/l	99
52) Toluene	8.702	92	95116	17.797	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59059	17.358	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	64884	17.842	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	39105	18.975	ug/l	98
56) Ethyl methacrylate	9.104	69	56073	17.325	ug/l	98
57) 1,3-Dichloropropane	9.293	76	66405	18.758	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	131285	92.160	ug/l	99
59) 2-Hexanone	9.415	43	175346	87.796	ug/l	99
60) Dibromochloromethane	9.506	129	44906	18.911	ug/l	99
61) 1,2-Dibromoethane	9.592	107	40007	19.059	ug/l	98
64) Tetrachloroethene	9.256	164	29446	16.313	ug/l	97
65) Chlorobenzene	10.061	112	106759	16.972	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	37549	17.298	ug/l	99
67) Ethyl Benzene	10.177	91	177218	16.328	ug/l	99
68) m/p-Xylenes	10.287	106	135673	33.584	ug/l	97
69) o-Xylene	10.628	106	64266	16.447	ug/l	100
70) Styrene	10.640	104	114498	16.723	ug/l	99
71) Bromoform	10.787	173	28786	17.760	ug/l #	98
73) Isopropylbenzene	10.945	105	167684	15.276	ug/l	99
74) N-amyl acetate	10.829	43	74230	14.829	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	54721	16.477	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	48327m	16.531	ug/l	
77) Bromobenzene	11.183	156	42210	15.613	ug/l	98
78) n-propylbenzene	11.287	91	199432	15.369	ug/l	100
79) 2-Chlorotoluene	11.348	91	122853	15.458	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	141629	15.704	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	15880	13.853	ug/l	97
82) 4-Chlorotoluene	11.439	91	146010	15.555	ug/l	98
83) tert-Butylbenzene	11.695	119	139136	15.071	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	141734	15.501	ug/l	100
85) sec-Butylbenzene	11.872	105	169797	15.484	ug/l	100
86) p-Isopropyltoluene	11.994	119	143846	15.494	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	79833	15.898	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	81236	15.762	ug/l	99
89) n-Butylbenzene	12.317	91	132190	15.388	ug/l	98
90) Hexachloroethane	12.518	117	25315	15.531	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	74655	15.605	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10096	15.015	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	45610	14.669	ug/l	98
94) Hexachlorobutadiene	13.707	225	16634	15.750	ug/l	96
95) Naphthalene	13.756	128	134583	14.215	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	43777	15.136	ug/l	99

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

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