

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047723.D
 Acq On : 23 Sep 2025 11:15
 Operator : JC/MD
 Sample : VX0923WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS02

Quant Time: Sep 24 01:28:18 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

Manual Integrations APPROVED

Reviewed By : John Carlone 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	181787	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	322664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	289792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	130163	44.983	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.960%		
35) Dibromofluoromethane	5.367	113	99865	46.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.300%		
50) Toluene-d8	8.635	98	347178	46.366	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.740%		
62) 4-Bromofluorobenzene	11.061	95	132914	46.772	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	36156	19.207	ug/l	99
3) Chloromethane	1.301	50	43445	17.560	ug/l	96
4) Vinyl Chloride	1.380	62	42062	17.368	ug/l	99
5) Bromomethane	1.618	94	28441	18.520	ug/l	96
6) Chloroethane	1.697	64	26753	16.528	ug/l	98
7) Trichlorofluoromethane	1.898	101	59843	16.642	ug/l	98
8) Diethyl Ether	2.136	74	24021	16.330	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	35974	17.109	ug/l	99
10) Methyl Iodide	2.453	142	51945	15.841	ug/l	99
11) Tert butyl alcohol	2.934	59	23851	74.010	ug/l	99
12) 1,1-Dichloroethene	2.325	96	36148	16.737	ug/l	94
13) Acrolein	2.233	56	26313	88.603	ug/l	100
14) Allyl chloride	2.666	41	70142	15.738	ug/l	98
15) Acrylonitrile	3.056	53	100750	84.401	ug/l	99
16) Acetone	2.374	43	90216	71.706	ug/l	98
17) Carbon Disulfide	2.514	76	101957	17.244	ug/l	99
18) Methyl Acetate	2.697	43	46539	16.621	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	128594	16.310	ug/l	98
20) Methylene Chloride	2.788	84	43710	16.413	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	39414	16.950	ug/l	96
22) Diisopropyl ether	3.745	45	144354	16.712	ug/l #	79
23) Vinyl Acetate	3.709	43	575126	83.195	ug/l	99
24) 1,1-Dichloroethane	3.599	63	75728	16.495	ug/l	99
25) 2-Butanone	4.538	43	123517	78.705	ug/l	99
26) 2,2-Dichloropropane	4.465	77	60715	15.910	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	46069	16.177	ug/l	97
28) Bromochloromethane	4.885	49	33685	16.807	ug/l	99
29) Tetrahydrofuran	4.995	42	79140	83.826	ug/l	98
30) Chloroform	5.074	83	77095	16.618	ug/l	98
31) Cyclohexane	5.458	56	63808	16.688	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	64618	16.421	ug/l	97
36) 1,1-Dichloropropene	5.672	75	53594	16.949	ug/l	99
37) Ethyl Acetate	4.696	43	53300	15.743	ug/l	99
38) Carbon Tetrachloride	5.666	117	54702	15.922	ug/l	99
39) Methylcyclohexane	7.360	83	62254	17.344	ug/l	97
40) Benzene	6.025	78	160358	16.697	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	30351	17.365	ug/l	96
42) 1,2-Dichloroethane	6.068	62	60128	16.455	ug/l	98
43) Isopropyl Acetate	6.318	43	90880	16.367	ug/l	99
44) Trichloroethene	7.111	130	40550	17.464	ug/l	95
45) 1,2-Dichloropropane	7.409	63	41341	16.811	ug/l	99
46) Dibromomethane	7.562	93	29969	16.746	ug/l	97
47) Bromodichloromethane	7.806	83	61218	16.577	ug/l	100
48) Methyl methacrylate	7.677	41	44713	16.166	ug/l	98
49) 1,4-Dioxane	7.647	88	10693	382.549	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	264665	85.968	ug/l	99
52) Toluene	8.702	92	99779	16.863	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	61393	16.298	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	67677	16.810	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	39130	17.151	ug/l	99
56) Ethyl methacrylate	9.098	69	60408	16.859	ug/l	98
57) 1,3-Dichloropropane	9.293	76	68685	17.525	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	143660	91.195	ug/l	100
59) 2-Hexanone	9.415	43	183521	83.000	ug/l	99
60) Dibromochloromethane	9.506	129	45346	17.249	ug/l	100
61) 1,2-Dibromoethane	9.592	107	40518	17.435	ug/l	99
64) Tetrachloroethene	9.256	164	32372	17.136	ug/l	98
65) Chlorobenzene	10.061	112	109903	16.694	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	37383	16.455	ug/l	97
67) Ethyl Benzene	10.177	91	189524	16.684	ug/l	98
68) m/p-Xylenes	10.287	106	143444	33.927	ug/l	100
69) o-Xylene	10.622	106	68954	16.861	ug/l	99
70) Styrene	10.640	104	118603	16.552	ug/l	99
71) Bromoform	10.781	173	28237	16.646	ug/l #	99
73) Isopropylbenzene	10.945	105	177153	16.449	ug/l	99
74) N-amyl acetate	10.823	43	80035	16.296	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	54058	16.590	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	49816m	17.368	ug/l	
77) Bromobenzene	11.183	156	43202	16.287	ug/l	98
78) n-propylbenzene	11.287	91	213079	16.736	ug/l	100
79) 2-Chlorotoluene	11.348	91	128239	16.446	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	147832	16.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	16574	14.736	ug/l	99
82) 4-Chlorotoluene	11.439	91	153584	16.677	ug/l	100
83) tert-Butylbenzene	11.695	119	149430	16.497	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	150232	16.747	ug/l	100
85) sec-Butylbenzene	11.872	105	181026	16.825	ug/l	100
86) p-Isopropyltoluene	11.994	119	154052	16.913	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	83142	16.875	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	83968	16.605	ug/l	99
89) n-Butylbenzene	12.317	91	144464	17.140	ug/l	99
90) Hexachloroethane	12.518	117	25557	15.981	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	78309	16.683	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	10024	15.194	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	49366	16.182	ug/l	99
94) Hexachlorobutadiene	13.707	225	17786	17.165	ug/l	98
95) Naphthalene	13.756	128	146235	15.742	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	46461	16.373	ug/l	99

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

