

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047722.D
 Acq On : 23 Sep 2025 10:48
 Operator : JC/MD
 Sample : VX0923WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0923WBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 24 01:27:16 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	5.537	168	177289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	322501	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	299888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	152010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	137693	48.793	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.580%		
35) Dibromofluoromethane	5.367	113	103525	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.634	98	346350	46.279	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.560%		
62) 4-Bromofluorobenzene	11.061	95	138737	48.846	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	35012	19.071	ug/l	96
3) Chloromethane	1.300	50	43108	17.866	ug/l	99
4) Vinyl Chloride	1.379	62	42551	18.016	ug/l	96
5) Bromomethane	1.617	94	29622	19.778	ug/l	99
6) Chloroethane	1.696	64	27339	17.319	ug/l	99
7) Trichlorofluoromethane	1.898	101	59974	17.102	ug/l	99
8) Diethyl Ether	2.135	74	24359	16.980	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	34971	17.054	ug/l	99
10) Methyl Iodide	2.458	142	50097	15.665	ug/l	99
11) Tert butyl alcohol	2.940	59	23514	74.815	ug/l	99
12) 1,1-Dichloroethene	2.324	96	35678	16.938	ug/l	98
13) Acrolein	2.233	56	26502	91.504	ug/l	99
14) Allyl chloride	2.666	41	70217	16.155	ug/l	96
15) Acrylonitrile	3.056	53	101533	87.215	ug/l	99
16) Acetone	2.373	43	96618	78.743	ug/l	99
17) Carbon Disulfide	2.513	76	100312	17.396	ug/l	98
18) Methyl Acetate	2.696	43	46752	17.121	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	130844	17.017	ug/l	99
20) Methylene Chloride	2.788	84	44978	17.318	ug/l	95
21) trans-1,2-Dichloroethene	3.086	96	39574	17.451	ug/l	96
22) Diisopropyl ether	3.751	45	146979	17.448	ug/l	96
23) Vinyl Acetate	3.714	43	576549	85.517	ug/l	99
24) 1,1-Dichloroethane	3.605	63	76887	17.173	ug/l	96
25) 2-Butanone	4.537	43	126717	82.792	ug/l	99
26) 2,2-Dichloropropane	4.458	77	62464	16.783	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	48925	17.616	ug/l	96
28) Bromochloromethane	4.885	49	33516	17.147	ug/l	97
29) Tetrahydrofuran	4.989	42	77241	83.890	ug/l	99
30) Chloroform	5.074	83	79171	17.499	ug/l	99
31) Cyclohexane	5.452	56	62292	16.705	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	64718	16.864	ug/l	99
36) 1,1-Dichloropropene	5.677	75	50963	16.125	ug/l	98
37) Ethyl Acetate	4.690	43	52484	15.510	ug/l	100
38) Carbon Tetrachloride	5.659	117	54907	15.990	ug/l	96
39) Methylcyclohexane	7.366	83	56945	15.873	ug/l	97
40) Benzene	6.025	78	165305	17.221	ug/l	99

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41) Methacrylonitrile	4.903	41	28937	16.564	ug/l	98
42) 1,2-Dichloroethane	6.068	62	61242	16.768	ug/l	98
43) Isopropyl Acetate	6.318	43	92375	16.644	ug/l	100
44) Trichloroethene	7.110	130	40129	17.292	ug/l	94
45) 1,2-Dichloropropane	7.415	63	42032	17.100	ug/l	98
46) Dibromomethane	7.561	93	30810	17.225	ug/l	99
47) Bromodichloromethane	7.805	83	62567	16.951	ug/l	96
48) Methyl methacrylate	7.677	41	45405	16.425	ug/l	97
49) 1,4-Dioxane	7.647	88	10479	375.083	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	265960	86.432	ug/l	99
52) Toluene	8.701	92	99135	16.763	ug/l	98
53) t-1,3-Dichloropropene	8.963	75	62147	16.507	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	68379	16.992	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	39900	17.497	ug/l	98
56) Ethyl methacrylate	9.098	69	60478	16.887	ug/l	97
57) 1,3-Dichloropropane	9.293	76	67974	17.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	143654	91.233	ug/l	99
59) 2-Hexanone	9.415	43	186240	84.272	ug/l	99
60) Dibromochloromethane	9.506	129	45791	17.427	ug/l	99
61) 1,2-Dibromoethane	9.591	107	40629	17.492	ug/l	98
64) Tetrachloroethene	9.256	164	31485	16.105	ug/l	98
65) Chlorobenzene	10.061	112	111047	16.300	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	38732	16.475	ug/l	99
67) Ethyl Benzene	10.177	91	187606	15.960	ug/l	99
68) m/p-Xylenes	10.286	106	141366	32.310	ug/l	99
69) o-Xylene	10.628	106	68274	16.133	ug/l	99
70) Styrene	10.640	104	121512	16.387	ug/l	98
71) Bromoform	10.780	173	28409	16.184	ug/l #	96
73) Isopropylbenzene	10.945	105	175814	15.213	ug/l	100
74) N-amyl acetate	10.829	43	79402	15.067	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	56088	16.041	ug/l	100
76) 1,2,3-Trichloropropane	11.225	75	54069m	17.568	ug/l	
77) Bromobenzene	11.183	156	45130	15.855	ug/l	97
78) n-propylbenzene	11.286	91	206369	15.106	ug/l	99
79) 2-Chlorotoluene	11.347	91	127416	15.228	ug/l	98
80) 1,3,5-Trimethylbenzene	11.432	105	144178	15.185	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	17027	14.108	ug/l	98
82) 4-Chlorotoluene	11.439	91	154088	15.592	ug/l	99
83) tert-Butylbenzene	11.695	119	146252	15.047	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	147644	15.338	ug/l	100
85) sec-Butylbenzene	11.871	105	174002	15.072	ug/l	100
86) p-Isopropyltoluene	11.993	119	146243	14.962	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	81531	15.421	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	84322	15.540	ug/l	99
89) n-Butylbenzene	12.316	91	133463	14.757	ug/l	100
90) Hexachloroethane	12.518	117	24897	14.508	ug/l	98
91) 1,2-Dichlorobenzene	12.316	146	79545	15.793	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10018	14.152	ug/l	96
93) 1,2,4-Trichlorobenzene	13.566	180	49475	15.114	ug/l	97
94) Hexachlorobutadiene	13.706	225	15842	14.248	ug/l	98
95) Naphthalene	13.755	128	142481	14.294	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	45281	14.870	ug/l	98

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

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