

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092225\
 Data File : VX047715.D
 Acq On : 22 Sep 2025 18:58
 Operator : JC/MD
 Sample : Q3097-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20250911MS

Quant Time: Sep 23 01:41:42 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	149702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	270395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	116537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	136329	57.212	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.420%			
35) Dibromofluoromethane	5.379	113	104622	57.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.380%			
50) Toluene-d8	8.635	98	355310	56.625	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 113.260%#			
62) 4-Bromofluorobenzene	11.061	95	135314	56.821	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	99437	64.145	ug/l	97
3) Chloromethane	1.301	50	121167	59.472	ug/l	98
4) Vinyl Chloride	1.380	62	119871	60.105	ug/l	99
5) Bromomethane	1.611	94	75160	59.431	ug/l	97
6) Chloroethane	1.691	64	74872	56.170	ug/l	98
7) Trichlorofluoromethane	1.892	101	165420	55.862	ug/l	100
8) Diethyl Ether	2.136	74	66928	55.251	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	103354	59.690	ug/l	98
10) Methyl Iodide	2.453	142	147783	54.725	ug/l	99
11) Tert butyl alcohol	2.947	59	74712	281.519	ug/l	99
12) 1,1-Dichloroethene	2.325	96	100429	56.465	ug/l	94
13) Acrolein	2.239	56	73140	299.067	ug/l	99
14) Allyl chloride	2.666	41	192183	52.363	ug/l	97
15) Acrylonitrile	3.056	53	296136	301.252	ug/l	99
16) Acetone	2.373	43	247040	238.436	ug/l	97
17) Carbon Disulfide	2.514	76	280776	57.664	ug/l	99
18) Methyl Acetate	2.703	43	129577	56.196	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	363711	56.018	ug/l	98
20) Methylene Chloride	2.788	84	121271	55.296	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	108564	56.694	ug/l	95
22) Diisopropyl ether	3.751	45	393686	55.347	ug/l #	84
23) Vinyl Acetate	3.715	43	1552184	272.655	ug/l	99
24) 1,1-Dichloroethane	3.611	63	210842	55.769	ug/l	99
25) 2-Butanone	4.544	43	372626	288.325	ug/l	100
26) 2,2-Dichloropropane	4.471	77	139487	44.385	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	132021	56.296	ug/l	96
28) Bromochloromethane	4.891	49	102352	62.013	ug/l	100
29) Tetrahydrofuran	4.995	42	251898	323.998	ug/l	100
30) Chloroform	5.080	83	211676	55.407	ug/l	98
31) Cyclohexane	5.464	56	166612	52.913	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	176354	54.421	ug/l	99
36) 1,1-Dichloropropene	5.684	75	138105	52.118	ug/l	98
37) Ethyl Acetate	4.696	43	147529	51.998	ug/l	99
38) Carbon Tetrachloride	5.666	117	150271	52.194	ug/l	98
39) Methylcyclohexane	7.367	83	153865	51.153	ug/l	97
40) Benzene	6.025	78	441675	54.879	ug/l	99

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41) Methacrylonitrile	4.904	41	83638	57.102	ug/l	98
42) 1,2-Dichloroethane	6.074	62	164680	53.778	ug/l	100
43) Isopropyl Acetate	6.324	43	248562	53.417	ug/l	99
44) Trichloroethene	7.110	130	676102	347.474	ug/l	95
45) 1,2-Dichloropropane	7.415	63	111385	54.048	ug/l	99
46) Dibromomethane	7.568	93	81291	54.206	ug/l	98
47) Bromodichloromethane	7.805	83	165717	53.549	ug/l	95
48) Methyl methacrylate	7.677	41	128265	55.339	ug/l	98
49) 1,4-Dioxane	7.647	88	32109	1370.775	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	741126	287.265	ug/l	100
52) Toluene	8.702	92	265691	53.583	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	167635	53.106	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	176915	52.436	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	104411	54.609	ug/l	99
56) Ethyl methacrylate	9.104	69	170443	56.764	ug/l	97
57) 1,3-Dichloropropane	9.293	76	182893	55.685	ug/l	99
59) 2-Hexanone	9.415	43	516181	278.577	ug/l	98
60) Dibromochloromethane	9.506	129	122647	55.672	ug/l	99
61) 1,2-Dibromoethane	9.592	107	110705	56.847	ug/l	100
64) Tetrachloroethene	9.256	164	82663	52.520	ug/l	97
65) Chlorobenzene	10.061	112	295700	53.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	103240	54.546	ug/l	99
67) Ethyl Benzene	10.177	91	498788	52.704	ug/l	100
68) m/p-Xylenes	10.287	106	376275	106.818	ug/l	99
69) o-Xylene	10.628	106	183279	53.793	ug/l	99
70) Styrene	10.640	104	320866	53.747	ug/l	99
71) Bromoform	10.781	173	77485	54.826	ug/l	98
73) Isopropylbenzene	10.945	105	462634	52.217	ug/l	100
74) N-amyl acetate	10.829	43	210910	52.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	148503	55.400	ug/l	100
76) 1,2,3-Trichloropropane	11.226	75	113686m	48.182	ug/l	
77) Bromobenzene	11.183	156	116912	53.577	ug/l	98
78) n-propylbenzene	11.287	91	542797	51.826	ug/l	99
79) 2-Chlorotoluene	11.348	91	332315	51.805	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	377938	51.921	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	46664	50.434	ug/l	100
82) 4-Chlorotoluene	11.439	91	393591	51.951	ug/l	99
83) tert-Butylbenzene	11.695	119	383158	51.420	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	384015	52.035	ug/l	100
85) sec-Butylbenzene	11.872	105	455269	51.437	ug/l	100
86) p-Isopropyltoluene	11.994	119	382834	51.091	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	209966	51.804	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	212167	51.003	ug/l	99
89) n-Butylbenzene	12.317	91	348901	50.321	ug/l	99
90) Hexachloroethane	12.518	117	67085	50.993	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	204964	53.080	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	29122	53.660	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	127943	50.982	ug/l	99
94) Hexachlorobutadiene	13.707	225	38825	45.547	ug/l	98
95) Naphthalene	13.756	128	410695	53.743	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	118190	50.629	ug/l	98

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

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