

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047658.D
 Acq On : 18 Sep 2025 21:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 19 01:38:06 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 09/19/2025
 Supervised By : Mahesh Dadoda 09/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	167954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	301649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	264153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	136178	50.938	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.880%			
35) Dibromofluoromethane	5.373	113	103407	51.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.635	98	358607	51.229	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.061	95	134436	50.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	116713	67.108	ug/l	96
3) Chloromethane	1.301	50	140249	61.357	ug/l	98
4) Vinyl Chloride	1.380	62	138638	61.961	ug/l	99
5) Bromomethane	1.618	94	84750	59.732	ug/l	100
6) Chloroethane	1.697	64	85472	57.154	ug/l	99
7) Trichlorofluoromethane	1.898	101	192770	58.024	ug/l	98
8) Diethyl Ether	2.136	74	74948	55.148	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	109138	56.181	ug/l	100
10) Methyl Iodide	2.453	142	164941	54.441	ug/l	100
11) Tert butyl alcohol	2.947	59	73594	247.170	ug/l	98
12) 1,1-Dichloroethene	2.325	96	114754	57.507	ug/l	96
13) Acrolein	2.240	56	91511	333.522	ug/l	99
14) Allyl chloride	2.666	41	217028	52.706	ug/l	98
15) Acrylonitrile	3.056	53	324132	293.899	ug/l	99
16) Acetone	2.374	43	255414	219.729	ug/l	100
17) Carbon Disulfide	2.520	76	327359	59.925	ug/l	98
18) Methyl Acetate	2.703	43	141872	54.842	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	391741	53.778	ug/l	98
20) Methylene Chloride	2.788	84	134847	54.805	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	121210	56.420	ug/l	95
22) Diisopropyl ether	3.751	45	434997	54.509	ug/l #	84
23) Vinyl Acetate	3.715	43	1809225	283.269	ug/l	100
24) 1,1-Dichloroethane	3.605	63	233642	55.084	ug/l	99
25) 2-Butanone	4.538	43	384161	264.947	ug/l	98
26) 2,2-Dichloropropane	4.471	77	151016	42.831	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	145870	55.442	ug/l	97
28) Bromochloromethane	4.885	49	98953	53.438	ug/l	99
29) Tetrahydrofuran	4.989	42	244351	280.136	ug/l	98
30) Chloroform	5.080	83	232676	54.285	ug/l	99
31) Cyclohexane	5.465	56	195059	55.215	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	196125	53.945	ug/l	99
36) 1,1-Dichloropropene	5.684	75	155147	52.483	ug/l	98
37) Ethyl Acetate	4.702	43	173987	54.969	ug/l	99
38) Carbon Tetrachloride	5.666	117	167396	52.118	ug/l	98
39) Methylcyclohexane	7.367	83	183314	54.630	ug/l	98
40) Benzene	6.025	78	490348	54.614	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	91044	55.718	ug/l	100
42) 1,2-Dichloroethane	6.074	62	179416	52.519	ug/l	99
43) Isopropyl Acetate	6.324	43	281444	54.217	ug/l	99
44) Trichloroethene	7.111	130	119740	55.163	ug/l	96
45) 1,2-Dichloropropane	7.415	63	122712	53.375	ug/l	99
46) Dibromomethane	7.568	93	89980	53.783	ug/l	98
47) Bromodichloromethane	7.806	83	181713	52.634	ug/l	97
48) Methyl methacrylate	7.678	41	142545	55.128	ug/l	99
49) 1,4-Dioxane	7.647	88	30847	1180.454	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	818431	284.360	ug/l	100
52) Toluene	8.702	92	300572	54.337	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	179877	51.080	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	193198	51.329	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	112754	52.863	ug/l	99
56) Ethyl methacrylate	9.104	69	185618	55.412	ug/l	98
57) 1,3-Dichloropropane	9.293	76	198871	54.276	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	408214	254.746	ug/l	99
59) 2-Hexanone	9.415	43	569485	275.500	ug/l	99
60) Dibromochloromethane	9.507	129	132153	53.772	ug/l	98
61) 1,2-Dibromoethane	9.592	107	118209	54.411	ug/l	99
64) Tetrachloroethene	9.257	164	94690	54.988	ug/l	97
65) Chlorobenzene	10.061	112	319704	53.275	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	109740	52.994	ug/l	100
67) Ethyl Benzene	10.177	91	560432	54.125	ug/l	99
68) m/p-Xylenes	10.287	106	420673	109.153	ug/l	100
69) o-Xylene	10.628	106	202765	54.394	ug/l	99
70) Styrene	10.640	104	354867	54.330	ug/l	98
71) Bromoform	10.781	173	83625	54.082	ug/l #	99
73) Isopropylbenzene	10.945	105	519628	54.023	ug/l	99
74) N-amyl acetate	10.829	43	244665	55.780	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	160544	55.167	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	125498m	48.992	ug/l	
77) Bromobenzene	11.183	156	126798	53.524	ug/l	99
78) n-propylbenzene	11.287	91	614237	54.021	ug/l	99
79) 2-Chlorotoluene	11.348	91	374535	53.781	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	425139	53.798	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	48632	48.415	ug/l	98
82) 4-Chlorotoluene	11.439	91	436383	53.056	ug/l	100
83) tert-Butylbenzene	11.695	119	422806	52.265	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	431900	53.907	ug/l	99
85) sec-Butylbenzene	11.872	105	513773	53.468	ug/l	100
86) p-Isopropyltoluene	11.988	119	428563	52.682	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	230750	52.441	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	233716	51.751	ug/l	99
89) n-Butylbenzene	12.317	91	397647	52.828	ug/l	99
90) Hexachloroethane	12.518	117	74358	52.063	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	225205	53.721	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32019	54.344	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	141778	52.038	ug/l	98
94) Hexachlorobutadiene	13.707	225	45796	49.486	ug/l	98
95) Naphthalene	13.756	128	446144	53.776	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	133651	52.735	ug/l	99

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

