

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048202.D
 Acq On : 17 Oct 2025 10:16
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 17 23:53:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	133656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	228136	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	202622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	202002	97.557	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 195.120%#			
35) Dibromofluoromethane	5.373	113	158514	100.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.220%#			
50) Toluene-d8	8.635	98	558638	97.937	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 195.880%#			
62) 4-Bromofluorobenzene	11.061	95	203127	97.772	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 195.540%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	141233	100.679	ug/l	97
3) Chloromethane	1.301	50	170903	100.564	ug/l	100
4) Vinyl Chloride	1.380	62	184502	103.031	ug/l	100
5) Bromomethane	1.612	94	120768	103.016	ug/l	99
6) Chloroethane	1.691	64	117828	103.395	ug/l	97
7) Trichlorofluoromethane	1.892	101	283265	100.778	ug/l	99
8) Diethyl Ether	2.136	74	99852	104.147	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	158867	100.299	ug/l	100
10) Methyl Iodide	2.453	142	216949	114.353	ug/l	99
11) Tert butyl alcohol	2.947	59	70592	513.812	ug/l	99
12) 1,1-Dichloroethene	2.325	96	159979	103.294	ug/l	97
13) Acrolein	2.233	56	143832	498.142	ug/l	99
14) Allyl chloride	2.666	41	290914	104.422	ug/l	99
15) Acrylonitrile	3.056	53	364153	553.138	ug/l	100
16) Acetone	2.374	43	338972	479.896	ug/l	99
17) Carbon Disulfide	2.514	76	480406	100.815	ug/l	100
18) Methyl Acetate	2.697	43	150315	104.482	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	503763	107.982	ug/l	100
20) Methylene Chloride	2.788	84	175942	102.249	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	169748	105.942	ug/l	99
22) Diisopropyl ether	3.751	45	580065	106.333	ug/l	99
23) Vinyl Acetate	3.715	43	2254577	552.727	ug/l	100
24) 1,1-Dichloroethane	3.605	63	316968	102.418	ug/l	99
25) 2-Butanone	4.538	43	431769	524.679	ug/l	100
26) 2,2-Dichloropropane	4.471	77	266691	100.816	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	199554	104.941	ug/l	99
28) Bromochloromethane	4.891	49	153564	107.645	ug/l	99
29) Tetrahydrofuran	4.983	42	261331	540.759	ug/l	100
30) Chloroform	5.080	83	321430	98.649	ug/l	97
31) Cyclohexane	5.458	56	266665	105.304	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	281604	105.187	ug/l	98
36) 1,1-Dichloropropene	5.678	75	220854	99.018	ug/l	99
37) Ethyl Acetate	4.696	43	188919	105.984	ug/l	98
38) Carbon Tetrachloride	5.666	117	246511	96.288	ug/l	97
39) Methylcyclohexane	7.367	83	263474	104.768	ug/l	97
40) Benzene	6.025	78	676625	102.163	ug/l	98

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41) Methacrylonitrile	4.904	41	101831	106.668	ug/l	99
42) 1,2-Dichloroethane	6.074	62	228400	96.255	ug/l	98
43) Isopropyl Acetate	6.324	43	320463	107.098	ug/l	97
44) Trichloroethene	7.111	130	172256	103.199	ug/l	97
45) 1,2-Dichloropropane	7.415	63	169795	101.299	ug/l	99
46) Dibromomethane	7.568	93	120808	100.170	ug/l	100
47) Bromodichloromethane	7.806	83	262522	100.714	ug/l	98
48) Methyl methacrylate	7.678	41	163691	106.866	ug/l	99
49) 1,4-Dioxane	7.647	88	30472	2210.027	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	890841	535.021	ug/l	98
52) Toluene	8.702	92	411490	103.371	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	261252	106.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	282702	106.213	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	150855	101.567	ug/l	99
56) Ethyl methacrylate	9.098	69	229045	113.382	ug/l	100
57) 1,3-Dichloropropane	9.293	76	263100	101.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	649675	506.414	ug/l	100
59) 2-Hexanone	9.415	43	622653	534.621	ug/l	99
60) Dibromochloromethane	9.507	129	191498	103.006	ug/l	100
61) 1,2-Dibromoethane	9.592	107	157062	103.129	ug/l	97
64) Tetrachloroethene	9.257	164	138367	97.393	ug/l	99
65) Chlorobenzene	10.061	112	451146	101.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	159981	100.207	ug/l	99
67) Ethyl Benzene	10.177	91	797886	105.049	ug/l	100
68) m/p-Xylenes	10.287	106	593973	209.915	ug/l	99
69) o-Xylene	10.622	106	285253	107.091	ug/l	99
70) Styrene	10.640	104	499350	108.910	ug/l	99
71) Bromoform	10.781	173	118639	101.196	ug/l #	99
73) Isopropylbenzene	10.945	105	732207	107.015	ug/l	100
74) N-amyl acetate	10.823	43	286532	112.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	195059	100.632	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	154776m	103.035	ug/l	
77) Bromobenzene	11.183	156	176327	102.983	ug/l	98
78) n-propylbenzene	11.287	91	877504	105.759	ug/l	100
79) 2-Chlorotoluene	11.348	91	514544	102.644	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	605302	107.776	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	68698	111.982	ug/l	98
82) 4-Chlorotoluene	11.439	91	616367	104.628	ug/l	99
83) tert-Butylbenzene	11.695	119	603179	106.306	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	605612	108.291	ug/l	100
85) sec-Butylbenzene	11.872	105	729402	105.153	ug/l	99
86) p-Isopropyltoluene	11.994	119	615443	105.260	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	326678	102.022	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	327189	98.575	ug/l	99
89) n-Butylbenzene	12.317	91	573374	105.286	ug/l	100
90) Hexachloroethane	12.518	117	120982	98.034	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	308559	101.993	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	37798	106.717	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	192219	107.629	ug/l	100
94) Hexachlorobutadiene	13.707	225	66266	96.208	ug/l	99
95) Naphthalene	13.756	128	555687	118.037	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	179498	108.933	ug/l	100

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

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Page: 4