

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102025\
 Data File : VX048233.D
 Acq On : 20 Oct 2025 12:22
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 20 12:46:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 12:35:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/21/2025
 Supervised By : Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	117551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	187766	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	163588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	80621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	162188	89.060	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 178.120%#			
35) Dibromofluoromethane	5.373	113	129919	99.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.400%#			
50) Toluene-d8	8.634	98	448948	95.629	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 191.260%#			
62) 4-Bromofluorobenzene	11.061	95	167565	97.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 196.000%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	127029	102.960	ug/l	97
3) Chloromethane	1.300	50	111895	74.863	ug/l	100
4) Vinyl Chloride	1.379	62	108564	68.931	ug/l	100
5) Bromomethane	1.605	94	65752	62.780	ug/l	99
6) Chloroethane	1.690	64	66332	66.181	ug/l	92
7) Trichlorofluoromethane	1.892	101	213301	86.283	ug/l	98
8) Diethyl Ether	2.135	74	58302	69.141	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.337	101	136951	98.309	ug/l	96
10) Methyl Iodide	2.452	142	183697	110.092	ug/l	99
11) Tert butyl alcohol	2.952	59	78284	647.864	ug/l	99
12) 1,1-Dichloroethene	2.324	96	131152	96.282	ug/l	93
13) Acrolein	2.239	56	87244	343.554	ug/l	100
14) Allyl chloride	2.666	41	214290	87.456	ug/l	98
15) Acrylonitrile	3.056	53	298022	514.707	ug/l	100
16) Acetone	2.373	43	260058	418.616	ug/l	99
17) Carbon Disulfide	2.513	76	380127	90.700	ug/l	99
18) Methyl Acetate	2.702	43	120920	95.565	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	427254	104.130	ug/l	97
20) Methylene Chloride	2.788	84	140317	92.718	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	139080	98.694	ug/l	96
22) Diisopropyl ether	3.751	45	420126	87.566	ug/l	89
23) Vinyl Acetate	3.714	43	1723170	480.325	ug/l	96
24) 1,1-Dichloroethane	3.605	63	248141	91.164	ug/l	99
25) 2-Butanone	4.543	43	353741	488.753	ug/l	98
26) 2,2-Dichloropropane	4.470	77	228643	98.275	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	163444	97.727	ug/l	98
28) Bromochloromethane	4.885	49	108536	86.505	ug/l	86
29) Tetrahydrofuran	4.989	42	216543	509.471	ug/l	93
30) Chloroform	5.080	83	264966	92.461	ug/l	98
31) Cyclohexane	5.464	56	217717	97.754	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	248018	105.334	ug/l	98
36) 1,1-Dichloropropene	5.684	75	183932	100.194	ug/l	99
37) Ethyl Acetate	4.702	43	153844	104.863	ug/l	99
38) Carbon Tetrachloride	5.665	117	226976	107.719	ug/l	99
39) Methylcyclohexane	7.366	83	235208	113.637	ug/l	95
40) Benzene	6.025	78	535407	98.221	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	83790	106.641	ug/l	97
42) 1,2-Dichloroethane	6.074	62	198348	101.562	ug/l	99
43) Isopropyl Acetate	6.324	43	256067	103.976	ug/l	95
44) Trichloroethene	7.110	130	142779	103.931	ug/l	99
45) 1,2-Dichloropropane	7.415	63	130188	94.368	ug/l	96
46) Dibromomethane	7.567	93	98105	98.835	ug/l	94
47) Bromodichloromethane	7.805	83	215302	100.358	ug/l	99
48) Methyl methacrylate	7.677	41	131454	104.272	ug/l	95
49) 1,4-Dioxane	7.647	88	35972	3169.845	ug/l	89
51) 4-Methyl-2-Pentanone	8.561	43	720980	526.103	ug/l	94
52) Toluene	8.701	92	341597	104.263	ug/l	99
53) t-1,3-Dichloropropene	8.963	75	215736	107.341	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	231037	105.465	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	124910	102.180	ug/l	98
56) Ethyl methacrylate	9.104	69	196699	118.305	ug/l	94
57) 1,3-Dichloropropane	9.293	76	214853	100.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	505448	592.044	ug/l	96
59) 2-Hexanone	9.415	43	509398	531.416	ug/l	95
60) Dibromochloromethane	9.506	129	166167	108.598	ug/l	100
61) 1,2-Dibromoethane	9.591	107	134662	107.431	ug/l	97
64) Tetrachloroethene	9.256	164	121163	105.633	ug/l	97
65) Chlorobenzene	10.061	112	375532	104.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	140599	109.080	ug/l	97
67) Ethyl Benzene	10.177	91	656925	107.128	ug/l	98
68) m/p-Xylenes	10.286	106	490879	214.875	ug/l	100
69) o-Xylene	10.622	106	236648	110.042	ug/l	100
70) Styrene	10.640	104	407916	110.197	ug/l	99
71) Bromoform	10.780	173	109613	115.806	ug/l #	98
73) Isopropylbenzene	10.945	105	624767	111.418	ug/l	99
74) N-amyl acetate	10.829	43	228080	109.030	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	164207	103.367	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	130599m	106.083	ug/l	
77) Bromobenzene	11.183	156	153619	109.475	ug/l	93
78) n-propylbenzene	11.286	91	732684	107.747	ug/l	98
79) 2-Chlorotoluene	11.347	91	434217	105.691	ug/l	100
80) 1,3,5-Trimethylbenzene	11.432	105	519549	112.876	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	59059	117.466	ug/l	98
82) 4-Chlorotoluene	11.439	91	506861	104.983	ug/l	98
83) tert-Butylbenzene	11.695	119	529264	113.817	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	523474	114.214	ug/l	99
85) sec-Butylbenzene	11.871	105	639904	112.562	ug/l	100
86) p-Isopropyltoluene	11.987	119	548119	114.386	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	281617	107.314	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	277908	102.163	ug/l	98
89) n-Butylbenzene	12.316	91	495486	111.016	ug/l	99
90) Hexachloroethane	12.518	117	107057	105.851	ug/l	93
91) 1,2-Dichlorobenzene	12.316	146	261022	105.277	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36087	124.320	ug/l	97
93) 1,2,4-Trichlorobenzene	13.566	180	179562	122.679	ug/l	100
94) Hexachlorobutadiene	13.706	225	68645	121.605	ug/l	98
95) Naphthalene	13.755	128	511355	132.536	ug/l	99
96) 1,2,3-Trichlorobenzene	13.944	180	169248	125.328	ug/l	98

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

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