

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048698.D
 Acq On : 03 Dec 2025 10:11
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 01:39:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:31:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	180730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	297110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	245514	100.616	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	201.240%#
35) Dibromofluoromethane	5.373	113	201237	99.371	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	198.740%#
50) Toluene-d8	8.635	98	703578	101.314	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	202.620%#
62) 4-Bromofluorobenzene	11.061	95	253523	99.476	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	198.960%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	228064	109.479	ug/l	98
3) Chloromethane	1.301	50	210259	103.551	ug/l	97
4) Vinyl Chloride	1.380	62	226544	101.834	ug/l	98
5) Bromomethane	1.612	94	148796	100.667	ug/l	100
6) Chloroethane	1.691	64	130345	98.943	ug/l	99
7) Trichlorofluoromethane	1.892	101	330809	102.338	ug/l	99
8) Diethyl Ether	2.136	74	120152	104.387	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	186773	96.955	ug/l	97
10) Methyl Iodide	2.459	142	275212	99.168	ug/l	97
11) Tert butyl alcohol	2.953	59	190109	515.121	ug/l	99
12) 1,1-Dichloroethene	2.325	96	187887	98.105	ug/l	99
13) Acrolein	2.233	56	110492	553.622	ug/l	100
14) Allyl chloride	2.666	41	364520	100.579	ug/l	98
15) Acrylonitrile	3.056	53	620544	528.968	ug/l	100
16) Acetone	2.374	43	379848	476.310	ug/l	98
17) Carbon Disulfide	2.514	76	547335	93.824	ug/l	100
18) Methyl Acetate	2.697	43	260852	98.755	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	700336	107.314	ug/l	100
20) Methylene Chloride	2.788	84	221209	99.373	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	214721	108.631	ug/l	99
22) Diisopropyl ether	3.751	45	697539	107.473	ug/l	97
23) Vinyl Acetate	3.715	43	3138253	556.252	ug/l	100
24) 1,1-Dichloroethane	3.605	63	382617	103.526	ug/l	99
25) 2-Butanone	4.538	43	705300	517.769	ug/l	99
26) 2,2-Dichloropropane	4.465	77	335241	99.952	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	251352	101.592	ug/l	98
28) Bromochloromethane	4.885	49	177412	99.977	ug/l	95
29) Tetrahydrofuran	4.983	42	544875	515.007	ug/l	99
30) Chloroform	5.080	83	393031	100.387	ug/l	96
31) Cyclohexane	5.465	56	324020	102.907	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	358437	101.818	ug/l	99
36) 1,1-Dichloropropene	5.684	75	268764	98.222	ug/l	98
37) Ethyl Acetate	4.690	43	361838	100.148	ug/l	98
38) Carbon Tetrachloride	5.666	117	308990	98.266	ug/l	99
39) Methylcyclohexane	7.367	83	339189	106.500	ug/l	98
40) Benzene	6.025	78	823411	102.380	ug/l	99

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41) Methacrylonitrile	4.904	41	164267	104.469	ug/l	97
42) 1,2-Dichloroethane	6.074	62	292666	101.339	ug/l	98
43) Isopropyl Acetate	6.318	43	518635	106.314	ug/l	97
44) Trichloroethene	7.111	130	215822	101.931	ug/l	99
45) 1,2-Dichloropropane	7.415	63	203731	103.641	ug/l	98
46) Dibromomethane	7.562	93	157260	103.986	ug/l	96
47) Bromodichloromethane	7.806	83	317582	102.432	ug/l	96
48) Methyl methacrylate	7.678	41	258230	110.793	ug/l	95
49) 1,4-Dioxane	7.647	88	60694	2129.247	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	1611342	524.040	ug/l	98
52) Toluene	8.702	92	508284	102.978	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	329068	106.622	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	349999	106.922	ug/l	95
55) 1,1,2-Trichloroethane	9.135	97	199956	102.183	ug/l	98
56) Ethyl methacrylate	9.098	69	340631	108.631	ug/l	93
57) 1,3-Dichloropropane	9.293	76	334994	101.750	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	935316	578.723	ug/l	97
59) 2-Hexanone	9.415	43	1171379	530.934	ug/l	96
60) Dibromochloromethane	9.507	129	252046	103.269	ug/l	99
61) 1,2-Dibromoethane	9.592	107	218252	100.876	ug/l	99
64) Tetrachloroethene	9.257	164	181937	99.738	ug/l	98
65) Chlorobenzene	10.061	112	579250	102.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	193125	98.647	ug/l	100
67) Ethyl Benzene	10.177	91	911614	98.612	ug/l	99
68) m/p-Xylenes	10.287	106	712246	200.011	ug/l	99
69) o-Xylene	10.622	106	358891	104.608	ug/l	99
70) Styrene	10.640	104	622225	107.907	ug/l	100
71) Bromoform	10.781	173	186379	104.520	ug/l #	100
73) Isopropylbenzene	10.945	105	923401	105.293	ug/l	99
74) N-amyl acetate	10.823	43	419030	105.837	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	304730	101.487	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	284941m	88.258	ug/l	
77) Bromobenzene	11.183	156	236835	100.206	ug/l	96
78) n-propylbenzene	11.287	91	1080860	105.251	ug/l	99
79) 2-Chlorotoluene	11.348	91	640685	102.653	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	760304	105.991	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	113522	110.741	ug/l #	99
82) 4-Chlorotoluene	11.433	91	758421	104.479	ug/l	99
83) tert-Butylbenzene	11.695	119	780911	104.951	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	765415	107.116	ug/l	100
85) sec-Butylbenzene	11.872	105	943212	104.722	ug/l	99
86) p-Isopropyltoluene	11.994	119	801040	107.660	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	435617	101.270	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	432434	98.492	ug/l	99
89) n-Butylbenzene	12.311	91	752941	107.437	ug/l	99
90) Hexachloroethane	12.518	117	156515	104.495	ug/l	93
91) 1,2-Dichlorobenzene	12.317	146	415732	103.792	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	70906	103.903	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	279564	109.629	ug/l	99
94) Hexachlorobutadiene	13.707	225	106828	100.611	ug/l	99
95) Naphthalene	13.756	128	923572	118.659	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	261019	110.887	ug/l	99

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

