

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086674.D
 Acq On : 16 May 2025 18:32
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: May 17 00:17:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:09:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2025
 Supervised By : Mahesh Dadoda 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	212535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	385603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	296706	96.970	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.940%#			
35) Dibromofluoromethane	8.165	113	239789	124.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 249.920%#			
50) Toluene-d8	10.565	98	1021539	106.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 213.620%#			
62) 4-Bromofluorobenzene	12.847	95	370788	106.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.440%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	272626	107.954	ug/l	99
3) Chloromethane	2.359	50	361119	98.097	ug/l	98
4) Vinyl Chloride	2.512	62	336647	97.082	ug/l	99
5) Bromomethane	2.930	94	175755	109.049	ug/l	97
6) Chloroethane	3.106	64	208872	90.254	ug/l	96
7) Trichlorofluoromethane	3.494	101	393305	101.309	ug/l	96
8) Diethyl Ether	3.959	74	162276	96.605	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	233520	99.655	ug/l	99
10) Methyl Iodide	4.583	142	299898	114.531	ug/l	99
11) Tert butyl alcohol	5.518	59	267486	477.347	ug/l	98
12) 1,1-Dichloroethene	4.336	96	247923	99.203	ug/l	98
13) Acrolein	4.177	56	295287	773.336	ug/l	99
14) Allyl chloride	5.018	41	371902	85.045	ug/l	99
15) Acrylonitrile	5.712	53	701724	506.348	ug/l	99
16) Acetone	4.424	43	539112	439.506	ug/l	99
17) Carbon Disulfide	4.712	76	710987	95.061	ug/l	100
18) Methyl Acetate	5.018	43	291114	80.520	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	842311	92.293	ug/l	99
20) Methylene Chloride	5.271	84	290581	101.686	ug/l	97
21) trans-1,2-Dichloroethene	5.788	96	260585	99.571	ug/l	99
22) Diisopropyl ether	6.671	45	840075	88.050	ug/l	98
23) Vinyl Acetate	6.600	43	3184524	472.168	ug/l	99
24) 1,1-Dichloroethane	6.565	63	491576	96.742	ug/l	99
25) 2-Butanone	7.477	43	887511	466.747	ug/l	100
26) 2,2-Dichloropropane	7.488	77	391899	87.002	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	320382	98.737	ug/l	99
28) Bromochloromethane	7.812	49	212881	97.978	ug/l	98
29) Tetrahydrofuran	7.835	42	582167	457.944	ug/l	100
30) Chloroform	7.965	83	481570	96.199	ug/l	98
31) Cyclohexane	8.253	56	430663	87.454	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	412582	96.254	ug/l	98
36) 1,1-Dichloropropene	8.365	75	358680	100.608	ug/l	99
37) Ethyl Acetate	7.559	43	345729	92.202	ug/l	100
38) Carbon Tetrachloride	8.359	117	350376	102.652	ug/l	99
39) Methylcyclohexane	9.600	83	395616	94.309	ug/l	99
40) Benzene	8.606	78	1146502	100.185	ug/l	100

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41) Methacrylonitrile	7.777	41	189373	88.081	ug/l	98
42) 1,2-Dichloroethane	8.665	62	348779	95.719	ug/l	99
43) Isopropyl Acetate	8.682	43	601666	67.195	ug/l	98
44) Trichloroethene	9.347	130	281707	103.544	ug/l	99
45) 1,2-Dichloropropane	9.618	63	271732	97.526	ug/l	100
46) Dibromomethane	9.706	93	183465	102.669	ug/l	100
47) Bromodichloromethane	9.888	83	383086	99.439	ug/l	97
48) Methyl methacrylate	9.676	41	282329	86.928	ug/l	99
49) 1,4-Dioxane	9.694	88	112938	1965.825	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	1801423	472.646	ug/l	98
52) Toluene	10.629	92	729998	102.251	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	427269	100.206	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	451979	96.359	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	260447	101.145	ug/l	99
56) Ethyl methacrylate	10.870	69	460358	97.988	ug/l	99
57) 1,3-Dichloropropane	11.159	76	458200	100.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	1060521	480.691	ug/l	100
59) 2-Hexanone	11.194	43	1333834	471.399	ug/l	98
60) Dibromochloromethane	11.359	129	295955	105.038	ug/l	99
61) 1,2-Dibromoethane	11.465	107	273192	104.827	ug/l	99
64) Tetrachloroethene	11.100	164	279652	102.021	ug/l	98
65) Chlorobenzene	11.888	112	805636	101.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	261746	99.614	ug/l	99
67) Ethyl Benzene	11.959	91	1432940	100.224	ug/l	99
68) m/p-Xylenes	12.070	106	1104589	205.723	ug/l	99
69) o-Xylene	12.394	106	541462	101.570	ug/l	98
70) Styrene	12.406	104	918616	103.860	ug/l	100
71) Bromoform	12.576	173	200330	101.356	ug/l #	97
73) Isopropylbenzene	12.694	105	1285698	99.096	ug/l	100
74) N-amyl acetate	12.488	43	527018	82.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	369580	98.064	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	361465m	96.057	ug/l	
77) Bromobenzene	12.976	156	313717	107.874	ug/l	99
78) n-propylbenzene	13.035	91	1519746	99.656	ug/l	100
79) 2-Chlorotoluene	13.123	91	941604	98.175	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1040889	98.009	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	151480	96.916	ug/l	95
82) 4-Chlorotoluene	13.217	91	946308	99.671	ug/l	99
83) tert-Butylbenzene	13.435	119	887979	96.375	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1053192	97.589	ug/l	100
85) sec-Butylbenzene	13.611	105	1238888	97.578	ug/l	100
86) p-Isopropyltoluene	13.723	119	1042829	99.663	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	548281	100.759	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	547029	100.036	ug/l	99
89) n-Butylbenzene	14.053	91	885854	96.440	ug/l	100
90) Hexachloroethane	14.329	117	177725	100.975	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	511274	96.922	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	68755	92.118	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	249837	100.491	ug/l	99
94) Hexachlorobutadiene	15.494	225	90372	95.636	ug/l	97
95) Naphthalene	15.635	128	871550	98.763	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	236333	99.955	ug/l	100

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

