

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086720.D
 Acq On : 20 May 2025 16:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 21 01:47:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	189365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130965	50.050	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.100%			
35) Dibromofluoromethane	8.165	113	104514	50.012	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	10.565	98	441340	50.962	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.920%			
62) 4-Bromofluorobenzene	12.847	95	153460	50.186	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	112008	54.771	ug/l	97
3) Chloromethane	2.359	50	148590	48.039	ug/l	100
4) Vinyl Chloride	2.512	62	141781	51.039	ug/l	98
5) Bromomethane	2.948	94	74790	46.703	ug/l	93
6) Chloroethane	3.118	64	90308	49.626	ug/l	96
7) Trichlorofluoromethane	3.495	101	169631	51.098	ug/l	96
8) Diethyl Ether	3.959	74	71316	52.002	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	101708	51.176	ug/l	99
10) Methyl Iodide	4.589	142	117760	47.634	ug/l	99
11) Tert butyl alcohol	5.512	59	112654	236.389	ug/l	99
12) 1,1-Dichloroethene	4.342	96	105442	49.922	ug/l	99
13) Acrolein	4.171	56	115248	226.218	ug/l	99
14) Allyl chloride	5.024	41	155973	48.789	ug/l	97
15) Acrylonitrile	5.718	53	294073	249.224	ug/l	99
16) Acetone	4.418	43	227744	232.674	ug/l	98
17) Carbon Disulfide	4.712	76	296090	50.633	ug/l	100
18) Methyl Acetate	5.024	43	128468	46.894	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	363042	50.480	ug/l	98
20) Methylene Chloride	5.277	84	123006	47.622	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	111953	50.133	ug/l	96
22) Diisopropyl ether	6.665	45	375156	52.016	ug/l	99
23) Vinyl Acetate	6.600	43	1391866	256.776	ug/l	99
24) 1,1-Dichloroethane	6.571	63	212076	50.083	ug/l	99
25) 2-Butanone	7.477	43	377083	249.305	ug/l	100
26) 2,2-Dichloropropane	7.483	77	155200	44.412	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	137065	50.005	ug/l	100
28) Bromochloromethane	7.812	49	101157	52.579	ug/l	99
29) Tetrahydrofuran	7.835	42	250618	253.853	ug/l	99
30) Chloroform	7.965	83	210130	49.578	ug/l	97
31) Cyclohexane	8.253	56	188961	48.116	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	177690	49.725	ug/l	99
36) 1,1-Dichloropropene	8.365	75	152935	49.614	ug/l	99
37) Ethyl Acetate	7.559	43	149481	48.007	ug/l	100
38) Carbon Tetrachloride	8.359	117	149506	49.226	ug/l	98
39) Methylcyclohexane	9.600	83	167138	50.098	ug/l	97
40) Benzene	8.600	78	497215	49.446	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	82866	49.289	ug/l	97
42) 1,2-Dichloroethane	8.665	62	152406	48.649	ug/l	98
43) Isopropyl Acetate	8.682	43	274281	43.940	ug/l	100
44) Trichloroethene	9.347	130	118921	49.032	ug/l	99
45) 1,2-Dichloropropane	9.618	63	119716	50.116	ug/l	99
46) Dibromomethane	9.706	93	78717	48.836	ug/l	99
47) Bromodichloromethane	9.882	83	164832	49.632	ug/l	100
48) Methyl methacrylate	9.677	41	120411	49.781	ug/l	99
49) 1,4-Dioxane	9.694	88	47783	932.926	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	766598	243.529	ug/l	99
52) Toluene	10.624	92	307792	49.248	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	176588	50.220	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	190835	49.716	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	112168	48.112	ug/l	98
56) Ethyl methacrylate	10.871	69	190727	50.953	ug/l	98
57) 1,3-Dichloropropane	11.159	76	197996	49.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	441937	264.166	ug/l	98
59) 2-Hexanone	11.194	43	564363	245.509	ug/l	100
60) Dibromochloromethane	11.353	129	123108	50.386	ug/l	100
61) 1,2-Dibromoethane	11.465	107	113892	48.614	ug/l	100
64) Tetrachloroethene	11.100	164	115438	48.361	ug/l	97
65) Chlorobenzene	11.888	112	331908	48.576	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	110390	50.045	ug/l	99
67) Ethyl Benzene	11.959	91	580279	49.582	ug/l	99
68) m/p-Xylenes	12.065	106	443708	100.096	ug/l	100
69) o-Xylene	12.394	106	218323	49.540	ug/l	98
70) Styrene	12.406	104	366832	50.841	ug/l	99
71) Bromoform	12.576	173	78549	50.072	ug/l #	97
73) Isopropylbenzene	12.694	105	523738	45.500	ug/l	100
74) N-amyl acetate	12.488	43	225434	46.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	155289	43.913	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	165983m	49.245	ug/l	
77) Bromobenzene	12.976	156	125994	43.514	ug/l	98
78) n-propylbenzene	13.029	91	613812	46.467	ug/l	99
79) 2-Chlorotoluene	13.123	91	388405	45.221	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	432742	46.924	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	64310	48.151	ug/l	99
82) 4-Chlorotoluene	13.217	91	387177	45.500	ug/l	99
83) tert-Butylbenzene	13.435	119	366992	45.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	438878	47.790	ug/l	99
85) sec-Butylbenzene	13.612	105	508144	47.121	ug/l	100
86) p-Isopropyltoluene	13.723	119	428338	48.458	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	235762	47.021	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	233732	47.049	ug/l	100
89) n-Butylbenzene	14.053	91	360945	49.256	ug/l	99
90) Hexachloroethane	14.329	117	73754	50.288	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	229380	48.098	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31544	53.846	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	105909	52.612	ug/l	99
94) Hexachlorobutadiene	15.494	225	39523	47.322	ug/l	98
95) Naphthalene	15.635	128	359239	51.396	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	99094	50.267	ug/l	99

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

