

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086748.D
 Acq On : 21 May 2025 21:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 22 01:34:33 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	244202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	435891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	381115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	176051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149996	44.451	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.900%		
35) Dibromofluoromethane	8.165	113	127727	49.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.400%		
50) Toluene-d8	10.565	98	529017	49.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.847	95	185696	48.887	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	126434	47.942	ug/l	99
3) Chloromethane	2.359	50	155581	39.004	ug/l	98
4) Vinyl Chloride	2.512	62	152364	42.532	ug/l	96
5) Bromomethane	2.948	94	85080	41.198	ug/l	89
6) Chloroethane	3.118	64	98894	42.141	ug/l	95
7) Trichlorofluoromethane	3.495	101	201077	46.969	ug/l	99
8) Diethyl Ether	3.959	74	84618	47.846	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	123142	48.047	ug/l	97
10) Methyl Iodide	4.583	142	147382	46.229	ug/l	97
11) Tert butyl alcohol	5.518	59	130746	212.745	ug/l	99
12) 1,1-Dichloroethene	4.342	96	127167	46.688	ug/l	94
13) Acrolein	4.177	56	140544	213.923	ug/l	100
14) Allyl chloride	5.024	41	171565	41.615	ug/l	93
15) Acrylonitrile	5.718	53	329217	216.355	ug/l	100
16) Acetone	4.424	43	245166	194.228	ug/l	90
17) Carbon Disulfide	4.712	76	325575	43.173	ug/l	100
18) Methyl Acetate	5.018	43	158168	44.770	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	438901	47.324	ug/l	98
20) Methylene Chloride	5.277	84	144169	43.282	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	131954	45.821	ug/l	96
22) Diisopropyl ether	6.671	45	405786	43.629	ug/l	95
23) Vinyl Acetate	6.600	43	1431581	204.797	ug/l	97
24) 1,1-Dichloroethane	6.565	63	240584	44.057	ug/l	98
25) 2-Butanone	7.477	43	402402	206.303	ug/l	94
26) 2,2-Dichloropropane	7.488	77	186169	41.311	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	163984	46.392	ug/l	96
28) Bromochloromethane	7.812	49	107550	43.349	ug/l	87
29) Tetrahydrofuran	7.835	42	264177	207.499	ug/l	94
30) Chloroform	7.965	83	245335	44.886	ug/l	98
31) Cyclohexane	8.253	56	206627	40.799	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	214019	46.443	ug/l	97
36) 1,1-Dichloropropene	8.371	75	177970	46.478	ug/l	98
37) Ethyl Acetate	7.559	43	159187	41.156	ug/l	98
38) Carbon Tetrachloride	8.359	117	182730	48.434	ug/l	99
39) Methylcyclohexane	9.600	83	196298	47.366	ug/l	96
40) Benzene	8.600	78	575605	46.081	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	88720	42.482	ug/l	94
42) 1,2-Dichloroethane	8.665	62	170337	43.771	ug/l	96
43) Isopropyl Acetate	8.682	43	284941	36.748	ug/l	94
44) Trichloroethene	9.347	130	150906	50.088	ug/l	97
45) 1,2-Dichloropropane	9.618	63	137246	46.252	ug/l	99
46) Dibromomethane	9.706	93	93389	46.642	ug/l	96
47) Bromodichloromethane	9.882	83	193289	46.852	ug/l	100
48) Methyl methacrylate	9.677	41	130914	43.570	ug/l	92
49) 1,4-Dioxane	9.694	88	58511	919.643	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	822002	210.215	ug/l	96
52) Toluene	10.624	92	365542	47.084	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	206727	47.328	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	226687	47.542	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	134799	46.546	ug/l	98
56) Ethyl methacrylate	10.871	69	226672	48.748	ug/l	93
57) 1,3-Dichloropropane	11.159	76	231462	46.393	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	513639	247.162	ug/l	97
59) 2-Hexanone	11.194	43	599302	209.876	ug/l	95
60) Dibromochloromethane	11.353	129	154495	50.903	ug/l	97
61) 1,2-Dibromoethane	11.465	107	136717	46.979	ug/l	98
64) Tetrachloroethene	11.100	164	153710	52.649	ug/l	96
65) Chlorobenzene	11.888	112	404234	48.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	135939	50.387	ug/l	99
67) Ethyl Benzene	11.959	91	685664	47.900	ug/l	98
68) m/p-Xylenes	12.065	106	539434	99.494	ug/l	96
69) o-Xylene	12.394	106	264308	49.035	ug/l	99
70) Styrene	12.406	104	440292	49.892	ug/l	99
71) Bromoform	12.576	173	98909	51.550	ug/l #	97
73) Isopropylbenzene	12.694	105	631830	46.468	ug/l	99
74) N-amyl acetate	12.488	43	233576	41.115	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	172580	41.314	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	190391m	47.818	ug/l	
77) Bromobenzene	12.976	156	158913	46.461	ug/l	93
78) n-propylbenzene	13.029	91	713244	45.709	ug/l	98
79) 2-Chlorotoluene	13.123	91	451140	44.465	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	513249	47.114	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	74406	47.161	ug/l	89
82) 4-Chlorotoluene	13.217	91	448001	44.569	ug/l	99
83) tert-Butylbenzene	13.435	119	445512	46.895	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	523006	48.211	ug/l	100
85) sec-Butylbenzene	13.612	105	602750	47.317	ug/l	99
86) p-Isopropyltoluene	13.723	119	514243	49.250	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	284000	47.950	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	288930	49.236	ug/l	99
89) n-Butylbenzene	14.053	91	418544	48.352	ug/l	99
90) Hexachloroethane	14.329	117	83510	48.203	ug/l	93
91) 1,2-Dichlorobenzene	14.100	146	277357	49.234	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	34552	49.930	ug/l	89
93) 1,2,4-Trichlorobenzene	15.388	180	135683	57.059	ug/l	100
94) Hexachlorobutadiene	15.500	225	52353	53.065	ug/l	96
95) Naphthalene	15.635	128	505395	61.211	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	130680	56.117	ug/l	100

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

