

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
 Data File : VN086766.D
 Acq On : 23 May 2025 09:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2025
 Supervised By : Mahesh Dadoda 05/27/2025

Quant Time: May 24 02:28:35 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	276686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	466652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	409394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	193032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	163628	42.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.600%			
35) Dibromofluoromethane	8.159	113	141342	50.859	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	10.565	98	580375	50.394	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.847	95	208610	51.300	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	148736	49.777	ug/l	99
3) Chloromethane	2.359	50	183652	40.636	ug/l	99
4) Vinyl Chloride	2.512	62	181207	44.645	ug/l	100
5) Bromomethane	2.948	94	97586	41.706	ug/l	94
6) Chloroethane	3.118	64	113818	42.806	ug/l	96
7) Trichlorofluoromethane	3.501	101	229380	47.289	ug/l	95
8) Diethyl Ether	3.959	74	95451	47.635	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	142938	49.223	ug/l	96
10) Methyl Iodide	4.583	142	167135	46.270	ug/l	98
11) Tert butyl alcohol	5.512	59	137231	197.081	ug/l	99
12) 1,1-Dichloroethene	4.342	96	146666	47.525	ug/l	93
13) Acrolein	4.177	56	170282	228.757	ug/l	100
14) Allyl chloride	5.018	41	198001	42.389	ug/l	93
15) Acrylonitrile	5.712	53	359440	208.484	ug/l	100
16) Acetone	4.418	43	377475	263.938	ug/l	96
17) Carbon Disulfide	4.712	76	387676	45.373	ug/l	100
18) Methyl Acetate	5.012	43	152601	38.123	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	490165	46.646	ug/l	100
20) Methylene Chloride	5.271	84	161267	42.731	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	152352	46.693	ug/l	97
22) Diisopropyl ether	6.665	45	455920	43.264	ug/l	95
23) Vinyl Acetate	6.594	43	1652856	208.691	ug/l	96
24) 1,1-Dichloroethane	6.565	63	272695	44.075	ug/l	98
25) 2-Butanone	7.477	43	495106	224.030	ug/l	95
26) 2,2-Dichloropropane	7.483	77	244252	47.837	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	185598	46.342	ug/l	99
28) Bromochloromethane	7.812	49	109184	38.841	ug/l	86
29) Tetrahydrofuran	7.830	42	283065	196.232	ug/l	94
30) Chloroform	7.959	83	274684	44.356	ug/l	97
31) Cyclohexane	8.253	56	236609	41.234	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	238328	45.646	ug/l	95
36) 1,1-Dichloropropene	8.365	75	203564	49.658	ug/l	99
37) Ethyl Acetate	7.553	43	169820	41.011	ug/l	96
38) Carbon Tetrachloride	8.359	117	205121	50.785	ug/l	99
39) Methylcyclohexane	9.594	83	233902	52.720	ug/l	97
40) Benzene	8.600	78	648429	48.489	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	97608	43.657	ug/l	93
42) 1,2-Dichloroethane	8.665	62	188061	45.140	ug/l	96
43) Isopropyl Acetate	8.683	43	303488	36.559	ug/l	94
44) Trichloroethene	9.347	130	171938	53.307	ug/l	100
45) 1,2-Dichloropropane	9.618	63	150535	47.387	ug/l	100
46) Dibromomethane	9.706	93	102774	47.946	ug/l	97
47) Bromodichloromethane	9.882	83	214997	48.679	ug/l	94
48) Methyl methacrylate	9.677	41	137977	42.894	ug/l	91
49) 1,4-Dioxane	9.688	88	63045	925.587	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	869995	207.823	ug/l	95
52) Toluene	10.624	92	410215	49.356	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	237372	50.762	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	258890	50.716	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	148480	47.890	ug/l	96
56) Ethyl methacrylate	10.871	69	245787	49.375	ug/l	91
57) 1,3-Dichloropropane	11.159	76	251519	47.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	590605	265.464	ug/l	97
59) 2-Hexanone	11.188	43	666190	217.921	ug/l	94
60) Dibromochloromethane	11.353	129	169404	52.136	ug/l	97
61) 1,2-Dibromoethane	11.465	107	151277	48.555	ug/l	99
64) Tetrachloroethene	11.100	164	176503	56.280	ug/l	96
65) Chlorobenzene	11.888	112	456090	50.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	150316	51.867	ug/l	100
67) Ethyl Benzene	11.959	91	769134	50.020	ug/l	98
68) m/p-Xylenes	12.065	106	608866	104.543	ug/l	97
69) o-Xylene	12.394	106	299785	51.775	ug/l	99
70) Styrene	12.406	104	503499	53.113	ug/l	98
71) Bromoform	12.576	173	111714	54.202	ug/l #	97
73) Isopropylbenzene	12.694	105	711592	47.730	ug/l	99
74) N-amyl acetate	12.488	43	245737	39.451	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	189857	41.451	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	227652m	52.147	ug/l	
77) Bromobenzene	12.976	156	176790	47.141	ug/l	94
78) n-propylbenzene	13.029	91	831067	48.574	ug/l	99
79) 2-Chlorotoluene	13.123	91	518545	46.613	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	596618	49.949	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	86929	50.252	ug/l	89
82) 4-Chlorotoluene	13.218	91	526444	47.766	ug/l	99
83) tert-Butylbenzene	13.435	119	513827	49.328	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	605855	50.935	ug/l	100
85) sec-Butylbenzene	13.612	105	712248	50.994	ug/l	98
86) p-Isopropyltoluene	13.723	119	614769	53.698	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	328669	50.610	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	327009	50.823	ug/l	99
89) n-Butylbenzene	14.053	91	515358	54.299	ug/l	99
90) Hexachloroethane	14.329	117	98643	51.929	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	311871	50.490	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33717	44.437	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	147442	56.550	ug/l	99
94) Hexachlorobutadiene	15.494	225	59068	54.604	ug/l	98
95) Naphthalene	15.635	128	469719	51.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	136623	53.508	ug/l	99

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

