

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087122.D
 Acq On : 20 Jun 2025 08:51
 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 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 22:58:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	203626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135451	49.683	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.360%		
35) Dibromofluoromethane	8.171	113	118104	56.197	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.400%		
50) Toluene-d8	10.565	98	431376	51.850	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.700%		
62) 4-Bromofluorobenzene	12.847	95	162293	52.505	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	114535	56.413	ug/l	98
3) Chloromethane	2.395	50	115769	44.158	ug/l	100
4) Vinyl Chloride	2.554	62	153653	56.815	ug/l	98
5) Bromomethane	2.989	94	84087	55.560	ug/l	94
6) Chloroethane	3.154	64	95689	54.776	ug/l	95
7) Trichlorofluoromethane	3.530	101	198189	56.089	ug/l	99
8) Diethyl Ether	3.983	74	82515	53.598	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.401	101	125740	56.640	ug/l	99
10) Methyl Iodide	4.612	142	110166	38.281	ug/l	98
11) Tert butyl alcohol	5.530	59	148565	200.828	ug/l	100
12) 1,1-Dichloroethene	4.371	96	126496	55.813	ug/l	91
13) Acrolein	4.195	56	40867	174.525	ug/l	99
14) Allyl chloride	5.048	41	180754	48.089	ug/l	96
15) Acrylonitrile	5.730	53	415621	240.370	ug/l	99
16) Acetone	4.442	43	408428	282.494	ug/l	96
17) Carbon Disulfide	4.742	76	353424	56.375	ug/l	99
18) Methyl Acetate	5.042	43	180902	42.936	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	427685	52.117	ug/l	98
20) Methylene Chloride	5.295	84	138790	51.275	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	134420	53.308	ug/l	94
22) Diisopropyl ether	6.683	45	387584	48.918	ug/l	98
23) Vinyl Acetate	6.618	43	1697179	253.532	ug/l	98
24) 1,1-Dichloroethane	6.583	63	242668	53.222	ug/l	98
25) 2-Butanone	7.489	43	512360	218.017	ug/l	97
26) 2,2-Dichloropropane	7.500	77	211417	59.608	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	160735	53.300	ug/l	99
28) Bromochloromethane	7.818	49	102876	45.889	ug/l	94
29) Tetrahydrofuran	7.847	42	338392	221.039	ug/l	95
30) Chloroform	7.971	83	236403	51.917	ug/l	97
31) Cyclohexane	8.265	56	211393	47.807	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	203156	52.457	ug/l	98
36) 1,1-Dichloropropene	8.377	75	175815	56.142	ug/l	99
37) Ethyl Acetate	7.571	43	193106	48.439	ug/l	99
38) Carbon Tetrachloride	8.371	117	171875	55.903	ug/l	98
39) Methylcyclohexane	9.600	83	211514	49.299	ug/l	96
40) Benzene	8.612	78	553142	54.015	ug/l	100

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41) Methacrylonitrile	7.789	41	108376	48.406	ug/l	96
42) 1,2-Dichloroethane	8.671	62	166002	53.445	ug/l	100
43) Isopropyl Acetate	8.688	43	302481	47.274	ug/l	96
44) Trichloroethene	9.353	130	134794	55.512	ug/l	98
45) 1,2-Dichloropropane	9.624	63	135156	54.250	ug/l	99
46) Dibromomethane	9.706	93	93500	56.502	ug/l	98
47) Bromodichloromethane	9.888	83	185179	54.389	ug/l	99
48) Methyl methacrylate	9.682	41	139254	47.285	ug/l	94
49) 1,4-Dioxane	9.706	88	48854	911.870	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	926911	240.636	ug/l	97
52) Toluene	10.630	92	343217	54.842	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	210831	55.378	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	227221	55.780	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	129471	53.766	ug/l	98
56) Ethyl methacrylate	10.877	69	215240	56.118	ug/l	92
57) 1,3-Dichloropropane	11.159	76	222840	53.346	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	553411	241.912	ug/l	98
59) 2-Hexanone	11.200	43	611555	246.480	ug/l	92
60) Dibromochloromethane	11.359	129	140321	55.929	ug/l	100
61) 1,2-Dibromoethane	11.471	107	132794	53.802	ug/l	100
64) Tetrachloroethene	11.100	164	106654	54.831	ug/l	96
65) Chlorobenzene	11.888	112	373921	55.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	120447	55.275	ug/l	99
67) Ethyl Benzene	11.959	91	631377	54.073	ug/l	99
68) m/p-Xylenes	12.071	106	510412	114.193	ug/l	96
69) o-Xylene	12.394	106	241938	56.516	ug/l	96
70) Styrene	12.406	104	411615	56.191	ug/l	98
71) Bromoform	12.576	173	93301	57.788	ug/l #	99
73) Isopropylbenzene	12.694	105	594013	53.801	ug/l	100
74) N-amyl acetate	12.512	43	177782	46.080	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	195031	52.142	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	180766m	50.178	ug/l	
77) Bromobenzene	12.976	156	144575	57.098	ug/l	94
78) n-propylbenzene	13.029	91	700828	52.232	ug/l	99
79) 2-Chlorotoluene	13.123	91	424884	52.803	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	485814	53.295	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	83992	53.670	ug/l #	73
82) 4-Chlorotoluene	13.218	91	434656	53.385	ug/l	98
83) tert-Butylbenzene	13.435	119	416876	49.960	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	487717	53.356	ug/l	100
85) sec-Butylbenzene	13.612	105	592254	48.876	ug/l	100
86) p-Isopropyltoluene	13.723	119	499459	49.863	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	272120	54.623	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	277541	54.645	ug/l	99
89) n-Butylbenzene	14.053	91	436509	44.990	ug/l	100
90) Hexachloroethane	14.329	117	88671	52.224	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	256527	53.598	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	41417	46.301	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	141215	46.205	ug/l	99
94) Hexachlorobutadiene	15.494	225	40175	35.282	ug/l	99
95) Naphthalene	15.635	128	562260	49.425	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	137222	45.190	ug/l	100

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

