

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086788.D
 Acq On : 27 May 2025 17:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 01:53:10 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	8.224	168	236058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	366573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	141476	43.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.740%		
35) Dibromofluoromethane	8.165	113	117217	47.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.220%		
50) Toluene-d8	10.565	98	498766	48.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.780%		
62) 4-Bromofluorobenzene	12.847	95	179690	49.882	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	126759	49.724	ug/l	100
3) Chloromethane	2.359	50	166040	43.062	ug/l	98
4) Vinyl Chloride	2.512	62	158782	45.853	ug/l	98
5) Bromomethane	2.947	94	82295	41.224	ug/l	88
6) Chloroethane	3.112	64	98353	43.356	ug/l	93
7) Trichlorofluoromethane	3.495	101	195727	47.296	ug/l	97
8) Diethyl Ether	3.959	74	82206	48.086	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	122351	49.386	ug/l	97
10) Methyl Iodide	4.589	142	142987	46.398	ug/l	95
11) Tert butyl alcohol	5.518	59	114521	192.773	ug/l	99
12) 1,1-Dichloroethene	4.336	96	124026	47.106	ug/l	94
13) Acrolein	4.177	56	114874	180.882	ug/l	99
14) Allyl chloride	5.024	41	181673	45.587	ug/l	93
15) Acrylonitrile	5.718	53	327713	222.797	ug/l	99
16) Acetone	4.424	43	236087	193.488	ug/l	92
17) Carbon Disulfide	4.712	76	326883	44.842	ug/l	99
18) Methyl Acetate	5.018	43	167967	49.184	ug/l	96
19) Methyl tert-butyl Ether	5.788	73	423122	47.197	ug/l	99
20) Methylene Chloride	5.271	84	142671	44.310	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	130187	46.767	ug/l	99
22) Diisopropyl ether	6.671	45	409199	45.513	ug/l	95
23) Vinyl Acetate	6.600	43	847364	125.403	ug/l	99
24) 1,1-Dichloroethane	6.565	63	245216	46.455	ug/l	99
25) 2-Butanone	7.477	43	392491	208.164	ug/l	97
26) 2,2-Dichloropropane	7.488	77	208662	47.900	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	160826	47.068	ug/l	99
28) Bromochloromethane	7.812	49	108528	45.252	ug/l	93
29) Tetrahydrofuran	7.835	42	263980	214.498	ug/l	98
30) Chloroform	7.965	83	238453	45.132	ug/l	98
31) Cyclohexane	8.253	56	209002	42.692	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	204623	45.936	ug/l	98
36) 1,1-Dichloropropene	8.371	75	176574	48.625	ug/l	99
37) Ethyl Acetate	7.553	43	153623	41.880	ug/l	97
38) Carbon Tetrachloride	8.359	117	175022	48.917	ug/l	97
39) Methylcyclohexane	9.600	83	198360	50.470	ug/l	97
40) Benzene	8.600	78	570891	48.192	ug/l	100

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41) Methacrylonitrile	7.771	41	87503	44.181	ug/l	97
42) 1,2-Dichloroethane	8.665	62	169360	45.890	ug/l	98
43) Isopropyl Acetate	8.682	43	278126	37.822	ug/l	95
44) Trichloroethene	9.347	130	173433	60.700	ug/l	98
45) 1,2-Dichloropropane	9.618	63	136285	48.429	ug/l	100
46) Dibromomethane	9.706	93	91847	48.370	ug/l	98
47) Bromodichloromethane	9.882	83	190226	48.621	ug/l	98
48) Methyl methacrylate	9.676	41	126015	44.223	ug/l	93
49) 1,4-Dioxane	9.694	88	52552	870.961	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	818185	220.633	ug/l	96
52) Toluene	10.629	92	362415	49.224	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	208949	50.442	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	228345	50.497	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	131597	47.915	ug/l	98
56) Ethyl methacrylate	10.871	69	218814	49.621	ug/l	94
57) 1,3-Dichloropropane	11.159	76	227671	48.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	506647	257.073	ug/l	98
59) 2-Hexanone	11.194	43	589029	217.511	ug/l	96
60) Dibromochloromethane	11.359	129	148865	51.719	ug/l	98
61) 1,2-Dibromoethane	11.465	107	131433	47.622	ug/l	98
64) Tetrachloroethene	11.100	164	200954	71.561	ug/l	97
65) Chlorobenzene	11.888	112	398955	49.632	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	131508	50.678	ug/l	99
67) Ethyl Benzene	11.959	91	687733	49.951	ug/l	99
68) m/p-Xylenes	12.070	106	536888	102.953	ug/l	97
69) o-Xylene	12.394	106	260215	50.190	ug/l	100
70) Styrene	12.406	104	441209	51.979	ug/l	99
71) Bromoform	12.576	173	95948	51.990	ug/l #	97
73) Isopropylbenzene	12.694	105	625171	46.045	ug/l	99
74) N-amyl acetate	12.494	43	213002	37.549	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	124354	29.813	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	189607m	47.691	ug/l	
77) Bromobenzene	12.976	156	154363	45.197	ug/l	96
78) n-propylbenzene	13.035	91	730273	46.869	ug/l	99
79) 2-Chlorotoluene	13.123	91	462300	45.632	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	517255	47.551	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	68744	43.636	ug/l	91
82) 4-Chlorotoluene	13.217	91	462006	46.030	ug/l	100
83) tert-Butylbenzene	13.435	119	445033	46.913	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	521015	48.098	ug/l	99
85) sec-Butylbenzene	13.611	105	612045	48.117	ug/l	100
86) p-Isopropyltoluene	13.723	119	520447	49.917	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	284162	48.048	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	286838	48.951	ug/l	99
89) n-Butylbenzene	14.053	91	442768	51.226	ug/l	99
90) Hexachloroethane	14.329	117	85167	49.232	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	275083	48.902	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30741	44.488	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	127965	53.893	ug/l	100
94) Hexachlorobutadiene	15.500	225	51631	52.410	ug/l	97
95) Naphthalene	15.635	128	407258	49.398	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	119373	51.337	ug/l	100

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

