

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086967.D
 Acq On : 12 Jun 2025 10:58
 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 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 01:23:09 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	8.229	168	185417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	334881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	144672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	123469	49.735	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.480%		
35) Dibromofluoromethane	8.171	113	106483	53.655	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.320%		
50) Toluene-d8	10.570	98	391763	49.865	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	12.847	95	148573	50.900	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	106709	57.720	ug/l	98
3) Chloromethane	2.395	50	108810	45.579	ug/l	97
4) Vinyl Chloride	2.553	62	138275	56.150	ug/l	100
5) Bromomethane	2.983	94	58697	42.593	ug/l	95
6) Chloroethane	3.147	64	89753	56.423	ug/l	98
7) Trichlorofluoromethane	3.530	101	181868	56.525	ug/l	99
8) Diethyl Ether	3.983	74	80958	57.750	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	115215	56.996	ug/l	99
10) Methyl Iodide	4.612	142	78889	30.105	ug/l	98
11) Tert butyl alcohol	5.541	59	178010	264.263	ug/l	99
12) 1,1-Dichloroethene	4.365	96	115909	56.164	ug/l	96
13) Acrolein	4.200	56	261341	1225.680	ug/l	100
14) Allyl chloride	5.047	41	183070	53.489	ug/l	96
15) Acrylonitrile	5.736	53	446893	283.838	ug/l	99
16) Acetone	4.447	43	345411	262.370	ug/l	98
17) Carbon Disulfide	4.741	76	290732	50.929	ug/l	99
18) Methyl Acetate	5.041	43	220582	57.496	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	429478	57.476	ug/l	98
20) Methylene Chloride	5.294	84	136978	55.575	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	123524	53.798	ug/l	93
22) Diisopropyl ether	6.683	45	404134	56.016	ug/l	96
23) Vinyl Acetate	6.618	43	1710420	280.603	ug/l	99
24) 1,1-Dichloroethane	6.583	63	235055	56.615	ug/l	99
25) 2-Butanone	7.494	43	568015	265.435	ug/l	99
26) 2,2-Dichloropropane	7.500	77	200155	61.975	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	154369	56.216	ug/l	100
28) Bromochloromethane	7.824	49	91966	45.051	ug/l	99
29) Tetrahydrofuran	7.847	42	375385	269.283	ug/l	97
30) Chloroform	7.977	83	235157	56.716	ug/l	99
31) Cyclohexane	8.265	56	195573	48.573	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	194080	55.035	ug/l	99
36) 1,1-Dichloropropene	8.377	75	163397	55.253	ug/l	99
37) Ethyl Acetate	7.571	43	214314	56.930	ug/l	99
38) Carbon Tetrachloride	8.371	117	163155	56.196	ug/l	98
39) Methylcyclohexane	9.606	83	193619	47.789	ug/l	97
40) Benzene	8.612	78	535810	55.408	ug/l	100

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41) Methacrylonitrile	7.782	41	113014	53.455	ug/l	93
42) 1,2-Dichloroethane	8.677	62	165920	56.568	ug/l	100
43) Isopropyl Acetate	8.694	43	332658	55.056	ug/l	98
44) Trichloroethene	9.353	130	127367	55.546	ug/l	99
45) 1,2-Dichloropropane	9.623	63	135691	57.676	ug/l	99
46) Dibromomethane	9.712	93	91491	58.548	ug/l	99
47) Bromodichloromethane	9.888	83	185839	57.801	ug/l	99
48) Methyl methacrylate	9.682	41	151488	54.473	ug/l	97
49) 1,4-Dioxane	9.706	88	56863	1123.948	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	1034245	284.335	ug/l	99
52) Toluene	10.629	92	326256	55.206	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	209818	58.362	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	222616	57.872	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	132313	58.186	ug/l	97
56) Ethyl methacrylate	10.882	69	221650	61.197	ug/l	97
57) 1,3-Dichloropropane	11.165	76	225666	57.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	533435	246.931	ug/l	100
59) 2-Hexanone	11.200	43	688773	293.972	ug/l	94
60) Dibromochloromethane	11.359	129	141556	59.748	ug/l	99
61) 1,2-Dibromoethane	11.470	107	134048	57.512	ug/l	99
64) Tetrachloroethene	11.106	164	97041	52.528	ug/l	97
65) Chlorobenzene	11.894	112	359495	55.838	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	120876	58.407	ug/l	99
67) Ethyl Benzene	11.965	91	612202	55.204	ug/l	98
68) m/p-Xylenes	12.070	106	473273	111.485	ug/l	100
69) o-Xylene	12.400	106	231132	56.848	ug/l	98
70) Styrene	12.412	104	402406	57.840	ug/l	99
71) Bromoform	12.582	173	96167	62.714	ug/l #	100
73) Isopropylbenzene	12.694	105	574574	54.516	ug/l	100
74) N-amyl acetate	12.512	43	198248	53.829	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	208578	58.416	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	178423m	51.884	ug/l	
77) Bromobenzene	12.982	156	140436	58.102	ug/l	100
78) n-propylbenzene	13.035	91	690637	53.921	ug/l	99
79) 2-Chlorotoluene	13.123	91	423429	55.125	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	472681	54.321	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	87946	58.870	ug/l	92
82) 4-Chlorotoluene	13.223	91	431259	55.488	ug/l	100
83) tert-Butylbenzene	13.435	119	426578	53.555	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	482611	55.309	ug/l	99
85) sec-Butylbenzene	13.617	105	597724	51.674	ug/l	99
86) p-Isopropyltoluene	13.729	119	502935	52.598	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	270297	56.838	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	273209	56.350	ug/l	100
89) n-Butylbenzene	14.053	91	460433	49.714	ug/l	100
90) Hexachloroethane	14.335	117	90778	56.009	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	258754	56.635	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	46385	54.321	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	154868	53.083	ug/l	99
94) Hexachlorobutadiene	15.500	225	46332	42.625	ug/l	98
95) Naphthalene	15.641	128	603897	55.611	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	149151	51.455	ug/l	99

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

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