

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086553.D
 Acq On : 09 May 2025 11:00
 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 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	164970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	308838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124788	52.164	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	8.165	113	92235	64.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 128.700%#			
50) Toluene-d8	10.565	98	374478	48.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.847	95	145456	52.058	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	91322	46.698	ug/l	98
3) Chloromethane	2.359	50	134987	47.494	ug/l	100
4) Vinyl Chloride	2.512	62	118785	43.797	ug/l	97
5) Bromomethane	2.953	94	75585	61.956	ug/l	96
6) Chloroethane	3.118	64	82777	45.602	ug/l	100
7) Trichlorofluoromethane	3.495	101	140189	46.663	ug/l	94
8) Diethyl Ether	3.959	74	67152	51.201	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	82252	45.258	ug/l	97
10) Methyl Iodide	4.583	142	121564	60.840	ug/l	99
11) Tert butyl alcohol	5.512	59	98909	226.606	ug/l	100
12) 1,1-Dichloroethene	4.342	96	87676	45.155	ug/l	96
13) Acrolein	4.171	56	80236	403.483	ug/l	96
14) Allyl chloride	5.024	41	144675	41.914	ug/l	96
15) Acrylonitrile	5.712	53	268596	248.931	ug/l	100
16) Acetone	4.418	43	210673	254.826	ug/l	99
17) Carbon Disulfide	4.712	76	250720	43.125	ug/l	99
18) Methyl Acetate	5.018	43	114266	39.792	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	364917	51.127	ug/l	99
20) Methylene Chloride	5.271	84	115441	52.199	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	102049	50.271	ug/l	94
22) Diisopropyl ether	6.665	45	357314	47.587	ug/l	97
23) Vinyl Acetate	6.600	43	1490829	284.022	ug/l	98
24) 1,1-Dichloroethane	6.565	63	195980	49.467	ug/l	99
25) 2-Butanone	7.477	43	347138	233.130	ug/l	97
26) 2,2-Dichloropropane	7.483	77	165108	46.545	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	129922	51.566	ug/l	94
28) Bromochloromethane	7.812	49	94310	56.142	ug/l	88
29) Tetrahydrofuran	7.836	42	229018	230.002	ug/l	95
30) Chloroform	7.965	83	202413	52.010	ug/l	100
31) Cyclohexane	8.253	56	150930	38.932	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	161704	48.570	ug/l	99
36) 1,1-Dichloropropene	8.365	75	130497	45.582	ug/l	98
37) Ethyl Acetate	7.553	43	142462	47.266	ug/l	100
38) Carbon Tetrachloride	8.359	117	131759	48.327	ug/l	99
39) Methylcyclohexane	9.594	83	141360	41.542	ug/l	97
40) Benzene	8.600	78	457856	49.916	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	79722	45.637	ug/l	95
42) 1,2-Dichloroethane	8.665	62	155910	53.301	ug/l	100
43) Isopropyl Acetate	8.683	43	264977	49.084	ug/l	98
44) Trichloroethene	9.347	130	109599	50.412	ug/l	97
45) 1,2-Dichloropropane	9.618	63	112528	50.117	ug/l	100
46) Dibromomethane	9.706	93	79800	55.781	ug/l	95
47) Bromodichloromethane	9.882	83	165350	53.515	ug/l	99
48) Methyl methacrylate	9.677	41	119592	45.183	ug/l	94
49) 1,4-Dioxane	9.688	88	45216	1004.302	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	734535	237.991	ug/l	97
52) Toluene	10.624	92	290733	50.797	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	183037	53.069	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	189250	49.956	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	112050	54.413	ug/l	98
56) Ethyl methacrylate	10.871	69	189819	50.148	ug/l	98
57) 1,3-Dichloropropane	11.159	76	195084	53.395	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.153	63	402617	224.102	ug/l	96
59) 2-Hexanone	11.194	43	542701	237.062	ug/l	98
60) Dibromochloromethane	11.353	129	126954	56.143	ug/l	99
61) 1,2-Dibromoethane	11.465	107	116993	56.305	ug/l	100
64) Tetrachloroethene	11.100	164	108622	48.977	ug/l	99
65) Chlorobenzene	11.888	112	326231	50.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	109975	51.809	ug/l	99
67) Ethyl Benzene	11.959	91	554186	47.729	ug/l	100
68) m/p-Xylenes	12.065	106	432493	99.409	ug/l	97
69) o-Xylene	12.394	106	216292	50.271	ug/l	97
70) Styrene	12.406	104	370272	51.650	ug/l	99
71) Bromoform	12.576	173	84231	52.704	ug/l #	100
73) Isopropylbenzene	12.694	105	505719	42.615	ug/l	99
74) N-amyl acetate	12.488	43	235324	39.832	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	159094	46.626	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	151048m	44.121	ug/l	
77) Bromobenzene	12.976	156	133238	50.671	ug/l	92
78) n-propylbenzene	13.029	91	600610	42.950	ug/l	100
79) 2-Chlorotoluene	13.123	91	392304	44.833	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	430886	44.362	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	61938m	43.451	ug/l	
82) 4-Chlorotoluene	13.218	91	396861	45.657	ug/l	97
83) tert-Butylbenzene	13.435	119	359820	42.754	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	444269	44.935	ug/l	99
85) sec-Butylbenzene	13.612	105	496451	42.528	ug/l	99
86) p-Isopropyltoluene	13.723	119	427842	44.465	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	244634	49.491	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	245475	49.305	ug/l	98
89) n-Butylbenzene	14.053	91	361348	42.368	ug/l	99
90) Hexachloroethane	14.329	117	70415	43.507	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	237682	49.596	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29687	43.149	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	109897	47.890	ug/l	98
94) Hexachlorobutadiene	15.494	225	37832	43.673	ug/l	99
95) Naphthalene	15.635	128	370187	45.507	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	103927	47.836	ug/l	99

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

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