

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111025\
 Data File : VN088235.D
 Acq On : 10 Nov 2025 12:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 11 03:49:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	279424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	521240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	458214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	227290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	286725	59.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.680%			
35) Dibromofluoromethane	8.147	113	194660	55.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.180%			
50) Toluene-d8	10.547	98	709500	52.584	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.160%			
62) 4-Bromofluorobenzene	12.829	95	262201	55.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	156731	49.726	ug/l	97
3) Chloromethane	2.383	50	202340	54.567	ug/l	98
4) Vinyl Chloride	2.536	62	208531	51.614	ug/l	96
5) Bromomethane	2.965	94	110433	45.698	ug/l	94
6) Chloroethane	3.130	64	137010	47.067	ug/l	97
7) Trichlorofluoromethane	3.506	101	307717	47.753	ug/l	95
8) Diethyl Ether	3.959	74	126337	52.751	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	168476	50.667	ug/l	98
10) Methyl Iodide	4.577	142	176445	58.062	ug/l	99
11) Tert butyl alcohol	5.524	59	250228	300.604	ug/l	98
12) 1,1-Dichloroethene	4.336	96	162560	46.286	ug/l	95
13) Acrolein	4.177	56	280197	299.252	ug/l	98
14) Allyl chloride	5.006	41	342020	55.560	ug/l	98
15) Acrylonitrile	5.706	53	673457	297.008	ug/l	99
16) Acetone	4.418	43	694062	285.923	ug/l	99
17) Carbon Disulfide	4.700	76	518522	48.569	ug/l	100
18) Methyl Acetate	5.012	43	320007	64.393	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	738151	57.230	ug/l	99
20) Methylene Chloride	5.259	84	217018	53.259	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	193347	50.155	ug/l	95
22) Diisopropyl ether	6.653	45	757521	58.514	ug/l	98
23) Vinyl Acetate	6.588	43	3504512	300.519	ug/l	99
24) 1,1-Dichloroethane	6.547	63	408885	57.017	ug/l	99
25) 2-Butanone	7.465	43	955393	298.653	ug/l	97
26) 2,2-Dichloropropane	7.471	77	360956	55.388	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	238750	53.797	ug/l	92
28) Bromochloromethane	7.794	49	185089	54.623	ug/l	97
29) Tetrahydrofuran	7.824	42	596808	286.266	ug/l	99
30) Chloroform	7.947	83	409442	57.151	ug/l	96
31) Cyclohexane	8.235	56	329701	48.747	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	346647	54.327	ug/l	99
36) 1,1-Dichloropropene	8.353	75	277356	54.246	ug/l	99
37) Ethyl Acetate	7.541	43	374182	56.710	ug/l	99
38) Carbon Tetrachloride	8.341	117	295558	55.969	ug/l	96
39) Methylcyclohexane	9.582	83	307375	46.770	ug/l	98
40) Benzene	8.588	78	850856	54.643	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	200624	57.772	ug/l	99
42) 1,2-Dichloroethane	8.653	62	334931	60.537	ug/l	99
43) Isopropyl Acetate	8.671	43	603854	59.559	ug/l	99
44) Trichloroethene	9.329	130	195339	53.671	ug/l	96
45) 1,2-Dichloropropane	9.600	63	227091	57.768	ug/l	98
46) Dibromomethane	9.688	93	160005	57.070	ug/l	98
47) Bromodichloromethane	9.865	83	336673	59.978	ug/l	95
48) Methyl methacrylate	9.659	41	285660	61.027	ug/l	99
49) 1,4-Dioxane	9.682	88	78681	1351.487	ug/l #	95
51) 4-Methyl-2-Pentanone	10.424	43	1840292	306.819	ug/l	99
52) Toluene	10.606	92	512658	53.400	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	357363	59.817	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	375498	59.231	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	203031	55.743	ug/l	97
56) Ethyl methacrylate	10.853	69	353693	61.364	ug/l	98
57) 1,3-Dichloropropane	11.141	76	364404	56.921	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	955648	318.749	ug/l	100
59) 2-Hexanone	11.176	43	1274932	320.422	ug/l	99
60) Dibromochloromethane	11.335	129	239440	57.838	ug/l	100
61) 1,2-Dibromoethane	11.447	107	212532	56.698	ug/l	98
64) Tetrachloroethene	11.082	164	155058	51.302	ug/l	95
65) Chlorobenzene	11.870	112	561293	53.947	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	196822	57.740	ug/l	99
67) Ethyl Benzene	11.941	91	992604	54.350	ug/l	99
68) m/p-Xylenes	12.047	106	736130	107.575	ug/l	98
69) o-Xylene	12.376	106	357703	55.143	ug/l	99
70) Styrene	12.388	104	612703	57.922	ug/l	98
71) Bromoform	12.559	173	154580	60.766	ug/l #	99
73) Isopropylbenzene	12.676	105	932839	53.213	ug/l	100
74) N-amyl acetate	12.500	43	281431m	56.553	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	305126	55.907	ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	261384m	50.300	ug/l	
77) Bromobenzene	12.959	156	211638	55.986	ug/l	94
78) n-propylbenzene	13.012	91	1145867	53.563	ug/l	100
79) 2-Chlorotoluene	13.100	91	698776	57.276	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	791007	54.331	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	106680	57.266	ug/l	88
82) 4-Chlorotoluene	13.200	91	716665	54.296	ug/l	100
83) tert-Butylbenzene	13.417	119	666402	51.240	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	802827	55.115	ug/l	97
85) sec-Butylbenzene	13.594	105	963662	50.433	ug/l	100
86) p-Isopropyltoluene	13.706	119	811689	52.953	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	411338	54.508	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	416336	51.367	ug/l	99
89) n-Butylbenzene	14.035	91	777443	51.203	ug/l	99
90) Hexachloroethane	14.311	117	158572	53.421	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	385733	53.027	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	71330	56.152	ug/l	96
93) 1,2,4-Trichlorobenzene	15.364	180	229826	52.168	ug/l	97
94) Hexachlorobutadiene	15.476	225	87507	53.339	ug/l	97
95) Naphthalene	15.617	128	794397	52.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	213580	50.562	ug/l	97

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

