

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
 Data File : VN088485.D
 Acq On : 09 Dec 2025 17:23
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 10 05:12:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/11/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	260896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	501407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	461496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	221443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	252857	51.449	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.147	113	169742	48.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.700%			
50) Toluene-d8	10.541	98	595078	46.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.060%			
62) 4-Bromofluorobenzene	12.823	95	220764	49.766	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.540%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	161425	41.194	ug/l	97
3) Chloromethane	2.383	50	185976	44.188	ug/l	99
4) Vinyl Chloride	2.536	62	183807	42.929	ug/l	98
5) Bromomethane	2.983	94	92263	44.772	ug/l	98
6) Chloroethane	3.147	64	121137	45.718	ug/l	99
7) Trichlorofluoromethane	3.518	101	266709	44.320	ug/l	98
8) Diethyl Ether	3.959	74	116516	51.586	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	132769	41.443	ug/l	99
10) Methyl Iodide	4.583	142	139420	43.961	ug/l	90
11) Tert butyl alcohol	5.512	59	162161	206.661	ug/l	99
12) 1,1-Dichloroethene	4.342	96	138352	43.466	ug/l	97
13) Acrolein	4.177	56	152795	203.393	ug/l	100
14) Allyl chloride	5.012	41	288177	48.847	ug/l	99
15) Acrylonitrile	5.700	53	554328	244.853	ug/l	99
16) Acetone	4.418	43	534293	300.598	ug/l	98
17) Carbon Disulfide	4.712	76	430270	41.367	ug/l	100
18) Methyl Acetate	5.012	43	272415	51.488	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	646219	54.188	ug/l	97
20) Methylene Chloride	5.265	84	181770	47.798	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	161855	45.904	ug/l	96
22) Diisopropyl ether	6.653	45	670413	53.227	ug/l	96
23) Vinyl Acetate	6.588	43	3022367	297.833	ug/l	98
24) 1,1-Dichloroethane	6.553	63	356776	50.019	ug/l	98
25) 2-Butanone	7.465	43	777192	271.989	ug/l	94
26) 2,2-Dichloropropane	7.471	77	303879	49.357	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	207378	50.608	ug/l	98
28) Bromochloromethane	7.794	49	160916	45.287	ug/l	95
29) Tetrahydrofuran	7.818	42	519519	253.479	ug/l	97
30) Chloroform	7.947	83	357992	51.078	ug/l	97
31) Cyclohexane	8.235	56	261391	40.440	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	294214	47.743	ug/l	99
36) 1,1-Dichloropropene	8.353	75	227744	42.469	ug/l	99
37) Ethyl Acetate	7.541	43	324308	45.993	ug/l	98
38) Carbon Tetrachloride	8.341	117	239661	44.894	ug/l	100
39) Methylcyclohexane	9.576	83	223447	38.955	ug/l	94
40) Benzene	8.582	78	730636	46.421	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.759	41	177569	50.845	ug/l	97
42) 1,2-Dichloroethane	8.653	62	308801	51.424	ug/l	99
43) Isopropyl Acetate	8.671	43	518787	48.155	ug/l	99
44) Trichloroethene	9.329	130	157565	42.368	ug/l	99
45) 1,2-Dichloropropane	9.600	63	194062	48.124	ug/l	97
46) Dibromomethane	9.688	93	138665	48.183	ug/l	99
47) Bromodichloromethane	9.865	83	294275	50.115	ug/l	98
48) Methyl methacrylate	9.659	41	245883	50.022	ug/l	98
49) 1,4-Dioxane	9.676	88	44293	708.543	ug/l #	94
51) 4-Methyl-2-Pentanone	10.423	43	1577326	248.392	ug/l	99
52) Toluene	10.606	92	451294	49.657	ug/l	97
53) t-1,3-Dichloropropene	10.812	75	307168	50.963	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	320899	50.627	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	170849	48.589	ug/l	97
56) Ethyl methacrylate	10.853	69	305130	54.936	ug/l	98
57) 1,3-Dichloropropane	11.135	76	318981	50.286	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.135	63	752272	234.930	ug/l	100
59) 2-Hexanone	11.176	43	1056099	264.004	ug/l	98
60) Dibromochloromethane	11.335	129	204281	50.963	ug/l	100
61) 1,2-Dibromoethane	11.447	107	175411	49.263	ug/l	99
64) Tetrachloroethene	11.082	164	128275	35.061	ug/l	97
65) Chlorobenzene	11.865	112	472547	45.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	164740	47.120	ug/l	100
67) Ethyl Benzene	11.941	91	845927	46.690	ug/l	99
68) m/p-Xylenes	12.047	106	620764	92.410	ug/l	96
69) o-Xylene	12.376	106	299501	46.766	ug/l	99
70) Styrene	12.388	104	513023	49.336	ug/l	98
71) Bromoform	12.559	173	126406	49.362	ug/l #	100
73) Isopropylbenzene	12.670	105	754438	46.078	ug/l	100
74) N-amyl acetate	12.500	43	244957m	43.930	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	252283	47.662	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	237465m	45.784	ug/l	
77) Bromobenzene	12.959	156	178262	47.584	ug/l	96
78) n-propylbenzene	13.012	91	930230	46.441	ug/l	99
79) 2-Chlorotoluene	13.100	91	574630	46.978	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	642616	47.365	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.712	75	90209	49.342	ug/l #	98
82) 4-Chlorotoluene	13.200	91	610120	50.219	ug/l	97
83) tert-Butylbenzene	13.412	119	504380	43.732	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	656260	48.664	ug/l	97
85) sec-Butylbenzene	13.588	105	733330	44.260	ug/l	99
86) p-Isopropyltoluene	13.706	119	613168	45.130	ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	333726	45.762	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	341227	44.669	ug/l	96
89) n-Butylbenzene	14.029	91	579231	43.908	ug/l	99
90) Hexachloroethane	14.306	117	110185	44.393	ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	320286	46.671	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	59380	46.237	ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	174482	42.791	ug/l	96
94) Hexachlorobutadiene	15.470	225	54066	36.899	ug/l	96
95) Naphthalene	15.611	128	642351	45.461	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	169770	42.781	ug/l	97

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

