

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086804.D
 Acq On : 29 May 2025 09:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: May 30 02:40:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

05/30/2025
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.812	128	57636	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	333690	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	302710	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	117796	29.746	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.167%		
60) 4-Bromofluorobenzene	12.847	95	145831	30.684	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.267%		
63) Toluene-d8	10.565	98	403560	29.046	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	113304	28.945	ug/l	100
3) Chloromethane	2.359	50	152513	30.218	ug/l	99
4) Vinyl Chloride	2.512	62	140359	30.219	ug/l	99
5) Bromomethane	2.948	94	70543	28.664	ug/l	93
6) Chloroethane	3.118	64	88299	31.082	ug/l	100
7) Trichlorofluoromethane	3.500	101	169673	31.190	ug/l	98
8) Diethyl Ether	3.953	74	70960	31.271	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	108403	32.515	ug/l	99
10) 1,1-Dichloroethene	4.342	96	106967	31.470	ug/l	99
11) Methyl Iodide	4.589	142	115177	28.745	ug/l	99
12) Methyl Acetate	5.018	43	127780	33.851	ug/l	96
13) Acrolein	4.177	56	66234	169.849	ug/l	99
14) Acrylonitrile	5.712	53	273755	155.843	ug/l	99
15) Acetone	4.418	58	92498	207.971	ug/l	84
16) Carbon Disulfide	4.712	76	290907	29.320	ug/l	99
17) Allyl chloride	5.018	41	157432	31.178	ug/l	97
18) Methylene Chloride	5.277	84	126099	31.945	ug/l	95
19) trans-1,2-Dichloroethene	5.783	96	112318	31.576	ug/l	90
20) Diisopropyl ether	6.665	45	373795	33.611	ug/l	97
21) 1,1-Dichloroethane	6.565	63	217324	32.381	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	138878	32.240	ug/l	97
23) tert-Butyl Alcohol	5.506	59	86983	154.199	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	367745	32.828	ug/l	98
25) Chloroform	7.965	83	214010	32.579	ug/l	99
26) Cyclohexane	8.253	56	189349	32.597	ug/l #	96
29) 1,1-Dichloropropene	8.371	75	154728	31.537	ug/l	99
30) 2-Butanone	7.477	43	376149	174.981	ug/l	100
31) 2,2-Dichloropropane	7.488	77	190905	32.964	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	180120	31.670	ug/l	99
33) Carbon Tetrachloride	8.359	117	152407	31.349	ug/l	98
34) Benzene	8.600	78	501573	31.420	ug/l	97
35) Methacrylonitrile	7.771	41	76806	31.104	ug/l	92
36) 1,2-Dichloroethane	8.665	62	146295	31.274	ug/l	100
37) Trichloroethene	9.347	130	140733	31.783	ug/l	97
38) Methylcyclohexane	9.600	83	173562	31.884	ug/l	98
39) 1,2-Dichloropropane	9.618	63	122189	31.794	ug/l	100
40) Dibromomethane	9.706	93	79409	31.591	ug/l	99
41) Bromodichloromethane	9.882	83	168135	31.955	ug/l	100
42) Vinyl Acetate	6.594	43	1015281	162.029	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	131638m	29.926	ug/l	
44) Isopropyl Acetate	8.682	43	234738	31.109	ug/l	100
45) 1,4-Dioxane	9.688	88	42074	627.337	ug/l	98
46) Methyl methacrylate	9.677	41	106474	30.602	ug/l	98
47) n-amyl Acetate	12.488	43	185286	30.587	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	182093	32.340	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	198325	32.023	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	114810	32.430	ug/l	97
51) Ethyl methacrylate	10.871	69	181849	31.716	ug/l	98
52) 1,3-Dichloropropane	11.159	76	198930	31.662	ug/l	100
53) Dibromochloromethane	11.353	129	128126	32.026	ug/l	98
54) 1,2-Dibromoethane	11.465	107	113945	31.487	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	424651	154.295	ug/l	100
56) Bromoform	12.576	173	80571	31.964	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	683369	153.851	ug/l	99
59) 2-Hexanone	11.194	43	527125	165.676	ug/l	100
61) Tetrachloroethene	11.100	164	165984	32.620	ug/l	91
62) Toluene	10.624	91	537036	31.500	ug/l	100
64) Chlorobenzene	11.888	112	342734	31.523	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	113309	31.723	ug/l	99
66) Ethyl Benzene	11.959	91	595372	32.287	ug/l	96
67) m/p-Xylenes	12.065	106	467013	64.538	ug/l	99
68) o-Xylene	12.394	106	226616	32.314	ug/l	98
69) Styrene	12.406	104	380132	32.535	ug/l	99
70) Isopropylbenzene	12.694	105	549493	32.944	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	119013	30.011	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	144359m	31.060	ug/l	
73) Bromobenzene	12.976	156	133275	32.147	ug/l	100
74) n-propylbenzene	13.029	91	658739	33.342	ug/l	100
75) 2-Chlorotoluene	13.123	91	414267	32.668	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	458762	33.062	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	59206	31.128	ug/l	93
78) 4-Chlorotoluene	13.217	91	415337	33.064	ug/l	99
79) tert-butylbenzene	13.435	119	394582	32.890	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	464874	33.377	ug/l	100
81) sec-Butylbenzene	13.612	105	553642	33.874	ug/l	100
82) p-Isopropyltoluene	13.723	119	472082	34.399	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	252053	33.140	ug/l	100
84) 1,4-Dichlorobenzene	13.806	146	250743	33.129	ug/l	99
85) n-Butylbenzene	14.053	91	400024	34.817	ug/l	99
86) Hexachloroethane	14.329	117	76432	32.678	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	236205	32.195	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	24187	28.963	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	101158	32.946	ug/l	96
90) Hexachlorobutadiene	15.494	225	43364	32.952	ug/l	98
91) Naphthalene	15.635	128	327094	30.532	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	101158	32.946	ug/l	96

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

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