

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
 Data File : VN088463.D
 Acq On : 05 Dec 2025 08:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Dec 05 23:35:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	104	0.00
2 M	Dichlorodifluoromethane	20.000	22.622	-13.1	105	0.00
3 M	Chloromethane	20.000	21.692	-8.5	107	0.00
4 M	Vinyl Chloride	20.000	21.105	-5.5	105	0.00
5 M	Bromomethane	20.000	18.545	7.3	98	0.00
6 M	Chloroethane	20.000	22.412	-12.1	111	0.00
7 M	Trichlorofluoromethane	20.000	23.740	-18.7	116	0.00
8 T	Diethyl Ether	20.000	21.274	-6.4	111	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	23.468	-17.3	115	0.00
10 M	1,1-Dichloroethene	20.000	22.340	-11.7	110	0.01
11	Methyl Iodide	20.000	17.291	13.5	91	0.00
12	Methyl Acetate	20.000	22.363	-11.8	114	0.00
13 M	Acrolein	100.000	115.004	-15.0	133	0.00
14 M	Acrylonitrile	100.000	101.635	-1.6	105	0.00
15 M	Acetone	100.000	64.383	35.6#	65	0.00
16 M	Carbon Disulfide	20.000	20.760	-3.8	102	0.00
17	Allyl chloride	20.000	19.999	0.0	101	0.00
18 M	Methylene Chloride	20.000	21.332	-6.7	109	0.00
19 M	trans-1,2-Dichloroethene	20.000	21.130	-5.6	104	-0.01
20 T	Diisopropyl ether	20.000	22.002	-10.0	112	0.00
21 M	1,1-Dichloroethane	20.000	22.364	-11.8	112	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.300	-6.5	109	0.00
23 M	tert-Butyl Alcohol	100.000	83.618	16.4	89	-0.02
24 M	Methyl tert-Butyl Ether	20.000	20.779	-3.9	109	0.00
25 M	Chloroform	20.000	22.980	-14.9	118	0.00
26	Cyclohexane	20.000	21.529	-7.6	104	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.675	-8.9	114	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	101	0.00
29	1,1-Dichloropropene	20.000	22.103	-10.5	110	0.00
30 M	2-Butanone	100.000	86.649	13.4	91	0.00
31	2,2-Dichloropropane	20.000	22.955	-14.8	115	0.00
32 M	1,1,1-Trichloroethane	20.000	23.124	-15.6	116	0.00
33 M	Carbon Tetrachloride	20.000	22.773	-13.9	114	0.00
34 M	Benzene	20.000	21.683	-8.4	110	0.00
35	Methacrylonitrile	20.000	21.410	-7.1	113	0.00
36 M	1,2-Dichloroethane	20.000	22.799	-14.0	117	0.00
37 M	Trichloroethene	20.000	21.178	-5.9	107	0.00
38	Methylcyclohexane	20.000	19.770	1.2	97	0.00
39 M	1,2-Dichloropropane	20.000	22.115	-10.6	114	0.00
40	Dibromomethane	20.000	21.909	-9.5	111	0.00
41 M	Bromodichloromethane	20.000	22.522	-12.6	119	0.00
42 M	Vinyl Acetate	100.000	113.063	-13.1	118	0.00
43	Ethyl Acetate	20.000	19.025	4.9	97	0.00
44	Isopropyl Acetate	20.000	20.756	-3.8	108	0.00
45 T	1,4-Dioxane	400.000	323.546	19.1	79	0.00
46	Methyl methacrylate	20.000	19.250	3.8	102	0.00
47	n-amyl Acetate	20.000	23.235	-16.2	131	0.00
48 M	t-1,3-Dichloropropene	20.000	20.470	-2.3	111	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	21.914	-9.6	113	0.00
50 M	1,1,2-Trichloroethane	20.000	21.514	-7.6	112	0.00
51	Ethyl methacrylate	20.000	20.301	-1.5	111	0.00
52	1,3-Dichloropropane	20.000	21.389	-6.9	111	0.00
53 M	Dibromochloromethane	20.000	21.206	-6.0	112	0.00
54 M	1,2-Dibromoethane	20.000	20.588	-2.9	109	0.00
55 M	2-Chloroethyl vinyl ether	100.000	107.114	-7.1	116	0.00
56 M	Bromoform	20.000	20.183	-0.9	109	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	100.000	109.119	-9.1	113	0.00
59 M	2-Hexanone	100.000	99.045	1.0	107	0.00
60 S	4-Bromofluorobenzene	30.000	30.164	-0.5	108	0.00
61 M	Tetrachloroethene	20.000	23.580	-17.9	116	0.00
62 M	Toluene	20.000	21.910	-9.6	111	0.00
63 S	Toluene-d8	30.000	31.557	-5.2	107	0.00
64 M	Chlorobenzene	20.000	21.206	-6.0	111	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.996	-10.0	113	0.00
66 M	Ethyl Benzene	20.000	21.339	-6.7	110	0.00
67 M	m/p-Xylenes	40.000	42.527	-6.3	109	0.00
68 M	o-Xylene	20.000	20.834	-4.2	109	0.00
69 M	Styrene	20.000	21.476	-7.4	114	0.00
70	Isopropylbenzene	20.000	21.126	-5.6	109	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.119	-5.6	110	0.00
72	1,2,3-Trichloropropane	20.000	19.872	0.6	113	0.00
73	Bromobenzene	20.000	21.245	-6.2	111	0.00
74	n-propylbenzene	20.000	21.545	-7.7	110	0.00
75	2-Chlorotoluene	20.000	20.837	-4.2	108	0.00
76	1,3,5-Trimethylbenzene	20.000	20.721	-3.6	107	0.00
77	t-1,4-Dichloro-2-butene	20.000	21.200	-6.0	118	0.00
78	4-Chlorotoluene	20.000	21.639	-8.2	112	0.00
79	tert-butylbenzene	20.000	20.109	-0.5	105	0.00
80	1,2,4-Trimethylbenzene	20.000	21.010	-5.1	110	0.00
81	sec-Butylbenzene	20.000	20.666	-3.3	105	0.00
82	p-Isopropyltoluene	20.000	20.292	-1.5	103	0.00
83 M	1,3-Dichlorobenzene	20.000	21.444	-7.2	109	0.00
84 M	1,4-Dichlorobenzene	20.000	21.670	-8.4	113	0.00
85	n-Butylbenzene	20.000	20.110	-0.5	100	0.00
86 T	Hexachloroethane	20.000	18.465	7.7	97	0.00
87 M	1,2-Dichlorobenzene	20.000	20.758	-3.8	107	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.048	-0.2	110	0.00
89	1,2,4-Trichlorobenzene	20.000	19.840	0.8	106	0.00
90	Hexachlorobutadiene	20.000	19.596	2.0	99	0.00
91 M	Naphthalene	20.000	18.758	6.2	101	0.00
92	1,2,3-Trichlorobenzene	20.000	19.840	0.8	106	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0