

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
 Data File : VN087818.D
 Acq On : 12 Sep 2025 15:51
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Sep 12 22:53:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 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	132	0.00
2 M	Dichlorodifluoromethane	20.000	21.692	-8.5	153	0.00
3 M	Chloromethane	20.000	18.863	5.7	136	0.00
4 M	Vinyl Chloride	20.000	20.183	-0.9	148	0.00
5 M	Bromomethane	20.000	11.750	41.3#	91	0.00
6 M	Chloroethane	20.000	19.125	4.4	141	0.00
7 M	Trichlorofluoromethane	20.000	21.207	-6.0	157	0.00
8 T	Diethyl Ether	20.000	18.294	8.5	142	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.264	-11.3	162	0.00
10 M	1,1-Dichloroethene	20.000	20.168	-0.8	153	0.00
11	Methyl Iodide	20.000	11.241	43.8#	102	0.00
12	Methyl Acetate	20.000	19.583	2.1	142	0.00
13 M	Acrolein	100.000	81.666	18.3	124	0.00
14 M	Acrylonitrile	100.000	94.940	5.1	144	0.00
15 M	Acetone	100.000	104.147	-4.1	162	0.00
16 M	Carbon Disulfide	20.000	21.348	-6.7	161	0.00
17	Allyl chloride	20.000	17.707	11.5	136	0.00
18 M	Methylene Chloride	20.000	20.114	-0.6	155	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.903	0.5	147	0.00
20 T	Diisopropyl ether	20.000	19.079	4.6	145	0.00
21 M	1,1-Dichloroethane	20.000	19.616	1.9	147	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.751	1.2	147	0.01
23 M	tert-Butyl Alcohol	100.000	93.238	6.8	137	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.910	5.4	146	0.00
25 M	Chloroform	20.000	19.888	0.6	147	0.00
26	Cyclohexane	20.000	21.959	-9.8	168	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.855	3.8	130	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	137	0.00
29	1,1-Dichloropropene	20.000	20.880	-4.4	156	0.00
30 M	2-Butanone	100.000	100.769	-0.8	153	0.00
31	2,2-Dichloropropane	20.000	22.277	-11.4	181	0.00
32 M	1,1,1-Trichloroethane	20.000	21.249	-6.2	155	0.00
33 M	Carbon Tetrachloride	20.000	21.694	-8.5	165	0.00
34 M	Benzene	20.000	20.066	-0.3	150	0.00
35	Methacrylonitrile	20.000	19.114	4.4	134	0.00
36 M	1,2-Dichloroethane	20.000	19.817	0.9	146	0.00
37 M	Trichloroethene	20.000	20.316	-1.6	152	0.00
38	Methylcyclohexane	20.000	22.121	-10.6	171	0.00
39 M	1,2-Dichloropropane	20.000	20.235	-1.2	150	0.00
40	Dibromomethane	20.000	20.350	-1.8	152	0.00
41 M	Bromodichloromethane	20.000	19.643	1.8	145	0.00
42 M	Vinyl Acetate	100.000	91.479	8.5	140	0.00
43	Ethyl Acetate	20.000	18.913	5.4	138	0.00
44	Isopropyl Acetate	20.000	18.415	7.9	137	0.00
45 T	1,4-Dioxane	400.000	418.594	-4.6	146	0.01
46	Methyl methacrylate	20.000	18.592	7.0	143	0.00
47	n-amyl Acetate	20.000	14.866	25.7#	143	0.02
48 M	t-1,3-Dichloropropene	20.000	18.855	5.7	148	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.218	3.9	152	0.00
50 M	1,1,2-Trichloroethane	20.000	19.864	0.7	149	0.00
51	Ethyl methacrylate	20.000	17.844	10.8	144	0.00
52	1,3-Dichloropropane	20.000	19.742	1.3	146	0.00
53 M	Dibromochloromethane	20.000	20.182	-0.9	163	0.00
54 M	1,2-Dibromoethane	20.000	19.962	0.2	152	0.00
55 M	2-Chloroethyl vinyl ether	100.000	90.391	9.6	134	0.00
56 M	Bromoform	20.000	19.813	0.9	160	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	135	0.00
58 M	4-Methyl-2-Pentanone	100.000	98.671	1.3	145	0.00
59 M	2-Hexanone	100.000	97.427	2.6	146	0.00
60 S	4-Bromofluorobenzene	30.000	28.943	3.5	129	0.00
61 M	Tetrachloroethene	20.000	23.654	-18.3	172	0.00
62 M	Toluene	20.000	20.683	-3.4	152	0.00
63 S	Toluene-d8	30.000	29.882	0.4	133	0.00
64 M	Chlorobenzene	20.000	21.006	-5.0	158	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.686	-3.4	155	0.00
66 M	Ethyl Benzene	20.000	20.266	-1.3	154	0.00
67 M	m/p-Xylenes	40.000	42.024	-5.1	161	0.00
68 M	o-Xylene	20.000	20.159	-0.8	150	0.00
69 M	Styrene	20.000	19.660	1.7	151	0.00
70	Isopropylbenzene	20.000	21.016	-5.1	163	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.668	-3.3	149	0.00
72	1,2,3-Trichloropropane	20.000	19.223	3.9	128	0.00
73	Bromobenzene	20.000	21.226	-6.1	160	0.00
74	n-propylbenzene	20.000	21.695	-8.5	164	0.00
75	2-Chlorotoluene	20.000	20.384	-1.9	151	0.00
76	1,3,5-Trimethylbenzene	20.000	21.191	-6.0	160	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.450	17.8	130	0.00
78	4-Chlorotoluene	20.000	21.060	-5.3	155	0.00
79	tert-butylbenzene	20.000	21.941	-9.7	166	0.00
80	1,2,4-Trimethylbenzene	20.000	21.137	-5.7	158	0.00
81	sec-Butylbenzene	20.000	22.626	-13.1	170	0.00
82	p-Isopropyltoluene	20.000	22.645	-13.2	173	0.00
83 M	1,3-Dichlorobenzene	20.000	21.807	-9.0	158	0.00
84 M	1,4-Dichlorobenzene	20.000	22.335	-11.7	165	0.00
85	n-Butylbenzene	20.000	23.139	-15.7	180	0.00
86 T	Hexachloroethane	20.000	20.552	-2.8	151	0.00
87 M	1,2-Dichlorobenzene	20.000	21.400	-7.0	157	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.180	-0.9	141	0.00
89	1,2,4-Trichlorobenzene	20.000	21.748	-8.7	166	0.00
90	Hexachlorobutadiene	20.000	29.058	-45.3#	205	0.00
91 M	Naphthalene	20.000	19.791	1.0	155	0.00
92	1,2,3-Trichlorobenzene	20.000	21.748	-8.7	166	0.00

(#) = Out of Range

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