

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 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	129	0.00
2 M	Dichlorodifluoromethane	20.000	20.930	-4.6	132	0.00
3 M	Chloromethane	20.000	17.756	11.2	116	0.00
4 M	Vinyl Chloride	20.000	18.289	8.6	118	0.00
5 M	Bromomethane	20.000	20.838	-4.2	132	0.00
6 M	Chloroethane	20.000	17.786	11.1	115	0.00
7 M	Trichlorofluoromethane	20.000	21.427	-7.1	135	0.00
8 T	Diethyl Ether	20.000	19.542	2.3	128	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.121	-5.6	136	0.00
10 M	1,1-Dichloroethene	20.000	19.918	0.4	129	0.00
11	Methyl Iodide	20.000	21.196	-6.0	138	0.00
12	Methyl Acetate	20.000	16.807	16.0	107	0.00
13 M	Acrolein	100.000	213.281	-113.3#	266	0.00
14 M	Acrylonitrile	100.000	94.393	5.6	122	0.00
15 M	Acetone	100.000	86.833	13.2	123	0.00
16 M	Carbon Disulfide	20.000	19.516	2.4	124	0.00
17	Allyl chloride	20.000	17.967	10.2	119	0.00
18 M	Methylene Chloride	20.000	20.176	-0.9	131	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.985	0.1	131	0.00
20 T	Diisopropyl ether	20.000	17.936	10.3	118	0.00
21 M	1,1-Dichloroethane	20.000	18.982	5.1	124	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.029	-0.1	132	0.00
23 M	tert-Butyl Alcohol	100.000	100.991	-1.0	123	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.555	2.2	127	0.00
25 M	Chloroform	20.000	19.669	1.7	126	0.00
26	Cyclohexane	20.000	18.145	9.3	119	0.00
27 s	1,2-Dichloroethane-d4	30.000	27.738	7.5	116	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	123	0.00
29	1,1-Dichloropropene	20.000	20.126	-0.6	129	0.00
30 M	2-Butanone	100.000	92.932	7.1	118	0.00
31	2,2-Dichloropropane	20.000	19.893	0.5	126	0.00
32 M	1,1,1-Trichloroethane	20.000	20.604	-3.0	130	0.00
33 M	Carbon Tetrachloride	20.000	21.769	-8.8	137	0.00
34 M	Benzene	20.000	19.873	0.6	125	0.00
35	Methacrylonitrile	20.000	18.293	8.5	110	0.00
36 M	1,2-Dichloroethane	20.000	20.097	-0.5	126	0.00
37 M	Trichloroethene	20.000	21.077	-5.4	137	0.00
38	Methylcyclohexane	20.000	20.184	-0.9	128	0.00
39 M	1,2-Dichloropropane	20.000	19.015	4.9	121	0.00
40	Dibromomethane	20.000	20.552	-2.8	129	0.00
41 M	Bromodichloromethane	20.000	20.085	-0.4	127	0.00
42 M	Vinyl Acetate	100.000	98.527	1.5	122	0.00
43	Ethyl Acetate	20.000	19.036	4.8	125	0.00
44	Isopropyl Acetate	20.000	18.650	6.8	118	0.00
45 T	1,4-Dioxane	400.000	437.588	-9.4	132	0.00
46	Methyl methacrylate	20.000	18.395	8.0	117	0.00
47	n-amyl Acetate	20.000	18.363	8.2	118	0.00
48 M	t-1,3-Dichloropropene	20.000	19.166	4.2	123	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.471	2.6	125	0.00
50 M	1,1,2-Trichloroethane	20.000	20.761	-3.8	129	0.00
51	Ethyl methacrylate	20.000	19.070	4.6	122	0.00
52	1,3-Dichloropropane	20.000	20.017	-0.1	126	0.00
53 M	Dibromochloromethane	20.000	20.736	-3.7	132	0.00
54 M	1,2-Dibromoethane	20.000	20.630	-3.1	130	0.00
55 M	2-Chloroethyl vinyl ether	100.000	69.532	30.5#	88	0.00
56 M	Bromoform	20.000	20.611	-3.1	130	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	122	0.00
58 M	4-Methyl-2-Pentanone	100.000	93.925	6.1	117	0.00
59 M	2-Hexanone	100.000	92.531	7.5	115	0.00
60 S	4-Bromofluorobenzene	30.000	28.875	3.8	120	0.00
61 M	Tetrachloroethene	20.000	22.153	-10.8	143	0.00
62 M	Toluene	20.000	20.296	-1.5	127	0.00
63 S	Toluene-d8	30.000	29.351	2.2	119	0.00
64 M	Chlorobenzene	20.000	20.876	-4.4	131	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.324	-6.6	135	0.00
66 M	Ethyl Benzene	20.000	20.138	-0.7	127	0.00
67 M	m/p-Xylenes	40.000	41.060	-2.7	130	0.00
68 M	o-Xylene	20.000	20.605	-3.0	131	0.00
69 M	Styrene	20.000	19.789	1.1	127	0.00
70	Isopropylbenzene	20.000	20.414	-2.1	129	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.664	-3.3	123	0.00
72	1,2,3-Trichloropropane	20.000	19.692	1.5	124	0.00
73	Bromobenzene	20.000	21.635	-8.2	137	0.00
74	n-propylbenzene	20.000	19.787	1.1	127	0.00
75	2-Chlorotoluene	20.000	19.899	0.5	126	0.00
76	1,3,5-Trimethylbenzene	20.000	20.275	-1.4	130	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.545	12.3	115	0.00
78	4-Chlorotoluene	20.000	19.596	2.0	129	0.00
79	tert-butylbenzene	20.000	20.505	-2.5	131	0.00
80	1,2,4-Trimethylbenzene	20.000	19.772	1.1	127	0.00
81	sec-Butylbenzene	20.000	19.696	1.5	129	0.00
82	p-Isopropyltoluene	20.000	19.762	1.2	132	0.00
83 M	1,3-Dichlorobenzene	20.000	20.067	-0.3	134	0.00
84 M	1,4-Dichlorobenzene	20.000	20.416	-2.1	136	0.00
85	n-Butylbenzene	20.000	18.609	7.0	126	0.00
86 T	Hexachloroethane	20.000	18.778	6.1	125	0.00
87 M	1,2-Dichlorobenzene	20.000	20.439	-2.2	135	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.407	3.0	130	0.00
89	1,2,4-Trichlorobenzene	20.000	20.589	-2.9	143	0.00
90	Hexachlorobutadiene	20.000	21.397	-7.0	146	0.00
91 M	Naphthalene	20.000	19.374	3.1	134	0.00
92	1,2,3-Trichlorobenzene	20.000	20.589	-2.9	143	0.00

(#) = Out of Range

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