

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050821\
 Data File : VN067064.D
 Acq On : 7 May 2021 20:34
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 04:10:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 07:26:20 2021
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	99	0.00
2 M	Dichlorodifluoromethane	20.000	21.646	-8.2	108	0.00
3 M	Chloromethane	20.000	20.462	-2.3	109	0.00
4 M	Vinyl Chloride	20.000	20.788	-3.9	112	0.00
5 M	Bromomethane	20.000	20.177	-0.9	109	0.01
6 M	Chloroethane	20.000	20.432	-2.2	111	0.00
7 M	Trichlorofluoromethane	20.000	19.502	2.5	103	0.00
8 T	Diethyl Ether	20.000	18.997	5.0	106	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.323	3.4	102	0.00
10 M	1,1-Dichloroethene	20.000	19.456	2.7	106	0.00
11	Methyl Iodide	20.000	15.446	22.8	84	0.00
12	Methyl Acetate	20.000	17.995	10.0	100	0.00
13 M	Acrolein	100.000	125.192	-25.2	141	0.00
14 M	Acrylonitrile	100.000	94.146	5.9	102	0.00
15 M	Acetone	100.000	91.803	8.2	100	0.00
16 M	Carbon Disulfide	20.000	19.362	3.2	104	0.00
17	Allyl chloride	20.000	19.242	3.8	113	0.00
18 M	Methylene Chloride	20.000	18.424	7.9	100	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.425	2.9	105	0.00
20 T	Diisopropyl ether	20.000	19.368	3.2	103	0.00
21 M	1,1-Dichloroethane	20.000	19.628	1.9	106	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.320	3.4	105	0.00
23 M	tert-Butyl Alcohol	100.000	85.970	14.0	98	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.370	3.1	105	0.00
25 M	Chloroform	20.000	19.686	1.6	108	0.00
26	Cyclohexane	20.000	19.794	1.0	108	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.897	0.3	98	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	102	0.00
29	1,1-Dichloropropene	20.000	18.760	6.2	104	0.00
30 M	2-Butanone	100.000	90.387	9.6	102	0.00
31	2,2-Dichloropropane	20.000	19.007	5.0	107	0.00
32 M	1,1,1-Trichloroethane	20.000	18.632	6.8	104	0.00
33 M	Carbon Tetrachloride	20.000	18.910	5.4	105	0.00
34 M	Benzene	20.000	18.705	6.5	104	0.00
35	Methacrylonitrile	20.000	19.187	4.1	108	0.00
36 M	1,2-Dichloroethane	20.000	18.588	7.1	103	0.00
37 M	Trichloroethene	20.000	19.058	4.7	106	0.00
38	Methylcyclohexane	20.000	19.066	4.7	109	0.00
39 M	1,2-Dichloropropane	20.000	18.604	7.0	102	0.00
40	Dibromomethane	20.000	18.695	6.5	105	0.00
41 M	Bromodichloromethane	20.000	18.409	8.0	105	0.00
42 M	Vinyl Acetate	100.000	93.999	6.0	104	0.00
43	Ethyl Acetate	20.000	16.385	18.1	87	0.00
44	Isopropyl Acetate	20.000	18.155	9.2	103	0.00
45 T	1,4-Dioxane	400.000	333.739	16.6	96	0.00
46	Methyl methacrylate	20.000	17.921	10.4	104	0.00
47	n-amyl Acetate	20.000	0.087	99.6#	80	-0.04
48 M	t-1,3-Dichloropropene	20.000	18.725	6.4	106	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.158	4.2	107	0.00
50 M	1,1,2-Trichloroethane	20.000	18.707	6.5	104	0.00
51	Ethyl methacrylate	20.000	18.590	7.1	107	0.00
52	1,3-Dichloropropane	20.000	18.951	5.2	107	0.00
53 M	Dibromochloromethane	20.000	18.801	6.0	105	0.00
54 M	1,2-Dibromoethane	20.000	18.907	5.5	104	0.00
55 M	2-Chloroethyl vinyl ether	100.000	145.391	-45.4#	173	0.00
56 M	Bromoform	20.000	17.855	10.7	104	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	99	0.00
58 M	4-Methyl-2-Pentanone	100.000	95.173	4.8	102	0.00
59 M	2-Hexanone	100.000	92.536	7.5	100	0.00
60 S	4-Bromofluorobenzene	30.000	29.376	2.1	96	0.00
61 M	Tetrachloroethene	20.000	19.721	1.4	106	0.00
62 M	Toluene	20.000	19.385	3.1	105	0.00
63 S	Toluene-d8	30.000	30.338	-1.1	99	0.00
64 M	Chlorobenzene	20.000	18.946	5.3	102	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.544	2.3	107	0.00
66 M	Ethyl Benzene	20.000	19.573	2.1	106	0.00
67 M	m/p-Xylenes	40.000	38.993	2.5	106	0.00
68 M	o-Xylene	20.000	19.698	1.5	108	0.00
69 M	Styrene	20.000	19.171	4.1	104	0.00
70	Isopropylbenzene	20.000	19.688	1.6	107	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	18.541	7.3	96	0.00
72	1,2,3-Trichloropropane	20.000	18.316	8.4	96	0.00
73	Bromobenzene	20.000	18.479	7.6	100	0.00
74	n-propylbenzene	20.000	19.558	2.2	105	0.00
75	2-Chlorotoluene	20.000	19.721	1.4	104	0.00
76	1,3,5-Trimethylbenzene	20.000	19.189	4.1	103	0.00
77	t-1,4-Dichloro-2-butene	20.000	16.922	15.4	96	0.00
78	4-Chlorotoluene	20.000	20.493	-2.5	104	0.00
79	tert-butylbenzene	20.000	19.247	3.8	105	0.00
80	1,2,4-Trimethylbenzene	20.000	19.763	1.2	106	0.00
81	sec-Butylbenzene	20.000	19.250	3.8	106	0.00
82	p-Isopropyltoluene	20.000	19.933	0.3	110	0.00
83 M	1,3-Dichlorobenzene	20.000	19.125	4.4	106	0.00
84 M	1,4-Dichlorobenzene	20.000	16.328	18.4	99	0.00
85	n-Butylbenzene	20.000	19.243	3.8	115	0.00
86 T	Hexachloroethane	20.000	17.709	11.5	99	0.00
87 M	1,2-Dichlorobenzene	20.000	18.587	7.1	101	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.276	13.6	115	0.00
89	1,2,4-Trichlorobenzene	20.000	21.190	-6.0	125	0.00
90	Hexachlorobutadiene	20.000	19.171	4.1	110	0.00
91 M	Naphthalene	20.000	23.326	-16.6	135	0.00
92	1,2,3-Trichlorobenzene	20.000	20.104	-0.5	115	0.00

(#) = Out of Range

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