

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067856.D
 Acq On : 22 Jul 2021 9:55
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 24 07:12:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 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	22.466	-12.3	119	0.00
3 M	Chloromethane	20.000	20.909	-4.5	104	0.00
4 M	Vinyl Chloride	20.000	21.049	-5.2	104	0.00
5 M	Bromomethane	20.000	20.773	-3.9	100	0.00
6 M	Chloroethane	20.000	21.743	-8.7	104	0.00
7 M	Trichlorofluoromethane	20.000	22.410	-12.1	106	0.00
8 T	Diethyl Ether	20.000	21.875	-9.4	111	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	23.026	-15.1	117	0.00
10 M	1,1-Dichloroethene	20.000	21.982	-9.9	114	0.00
11	Methyl Iodide	20.000	21.020	-5.1	117	0.00
12	Methyl Acetate	20.000	22.585	-12.9	120	0.00
13 M	Acrolein	100.000	109.901	-9.9	121	0.00
14 M	Acrylonitrile	100.000	108.260	-8.3	116	0.00
15 M	Acetone	100.000	122.820	-22.8	129	0.00
16 M	Carbon Disulfide	20.000	20.442	-2.2	111	0.00
17	Allyl chloride	20.000	21.093	-5.5	110	0.00
18 M	Methylene Chloride	20.000	20.189	-0.9	109	0.00
19 M	trans-1,2-Dichloroethene	20.000	21.467	-7.3	116	0.00
20 T	Diisopropyl ether	20.000	21.095	-5.5	113	0.00
21 M	1,1-Dichloroethane	20.000	21.249	-6.2	111	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.022	-5.1	115	0.00
23 M	tert-Butyl Alcohol	100.000	103.292	-3.3	107	0.00
24 M	Methyl tert-Butyl Ether	20.000	21.558	-7.8	114	0.00
25 M	Chloroform	20.000	21.146	-5.7	111	0.00
26	Cyclohexane	20.000	20.688	-3.4	111	0.00
27 s	1,2-Dichloroethane-d4	30.000	31.426	-4.8	95	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	96	0.00
29	1,1-Dichloropropene	20.000	20.234	-1.2	108	0.00
30 M	2-Butanone	100.000	106.803	-6.8	116	0.00
31	2,2-Dichloropropane	20.000	20.648	-3.2	112	0.00
32 M	1,1,1-Trichloroethane	20.000	20.657	-3.3	112	0.00
33 M	Carbon Tetrachloride	20.000	20.206	-1.0	112	0.00
34 M	Benzene	20.000	21.104	-5.5	112	0.00
35	Methacrylonitrile	20.000	21.562	-7.8	129	0.00
36 M	1,2-Dichloroethane	20.000	21.492	-7.5	109	0.00
37 M	Trichloroethene	20.000	21.291	-6.5	115	0.00
38	Methylcyclohexane	20.000	20.338	-1.7	110	0.00
39 M	1,2-Dichloropropane	20.000	21.122	-5.6	113	0.00
40	Dibromomethane	20.000	21.355	-6.8	114	0.00
41 M	Bromodichloromethane	20.000	21.009	-5.0	114	0.00
42 M	Vinyl Acetate	100.000	107.428	-7.4	126	0.00
43	Ethyl Acetate	20.000	21.104	-5.5	119	0.00
44	Isopropyl Acetate	20.000	20.597	-3.0	112	0.00
45 T	1,4-Dioxane	400.000	406.041	-1.5	109	0.00
46	Methyl methacrylate	20.000	19.968	0.2	110	0.00
47	n-amyl Acetate	20.000	19.980	0.1	115	0.00
48 M	t-1,3-Dichloropropene	20.000	20.529	-2.6	117	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.855	0.7	111	0.00
50 M	1,1,2-Trichloroethane	20.000	21.127	-5.6	117	0.00
51	Ethyl methacrylate	20.000	20.044	-0.2	112	0.00
52	1,3-Dichloropropane	20.000	21.134	-5.7	114	0.00
53 M	Dibromochloromethane	20.000	19.742	1.3	116	0.00
54 M	1,2-Dibromoethane	20.000	20.178	-0.9	112	0.00
55 M	2-Chloroethyl vinyl ether	100.000	96.667	3.3	117	0.00
56 M	Bromoform	20.000	17.850	10.7	117	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	100.000	105.653	-5.7	111	0.00
59 M	2-Hexanone	100.000	106.061	-6.1	113	0.00
60 S	4-Bromofluorobenzene	30.000	29.451	1.8	93	0.00
61 M	Tetrachloroethene	20.000	21.737	-8.7	115	0.00
62 M	Toluene	20.000	20.435	-2.2	107	0.00
63 S	Toluene-d8	30.000	30.524	-1.7	95	0.00
64 M	Chlorobenzene	20.000	20.698	-3.5	110	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.686	-3.4	115	0.00
66 M	Ethyl Benzene	20.000	20.248	-1.2	107	0.00
67 M	m/p-Xylenes	40.000	40.883	-2.2	109	0.00
68 M	o-Xylene	20.000	20.103	-0.5	108	0.00
69 M	Styrene	20.000	19.914	0.4	108	0.00
70	Isopropylbenzene	20.000	19.996	0.0	106	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.989	-4.9	111	0.00
72	1,2,3-Trichloropropane	20.000	21.982	-9.9	106	0.00
73	Bromobenzene	20.000	19.778	1.1	111	0.00
74	n-propylbenzene	20.000	20.638	-3.2	108	0.00
75	2-Chlorotoluene	20.000	20.472	-2.4	107	0.00
76	1,3,5-Trimethylbenzene	20.000	20.470	-2.3	108	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.290	3.6	115	0.00
78	4-Chlorotoluene	20.000	20.419	-2.1	106	0.00
79	tert-butylbenzene	20.000	19.816	0.9	106	0.00
80	1,2,4-Trimethylbenzene	20.000	20.243	-1.2	107	0.00
81	sec-Butylbenzene	20.000	20.263	-1.3	106	0.00
82	p-Isopropyltoluene	20.000	20.001	-0.0	109	0.00
83 M	1,3-Dichlorobenzene	20.000	19.903	0.5	110	0.00
84 M	1,4-Dichlorobenzene	20.000	19.739	1.3	109	0.00
85	n-Butylbenzene	20.000	20.208	-1.0	110	0.00
86 T	Hexachloroethane	20.000	19.299	3.5	110	0.00
87 M	1,2-Dichlorobenzene	20.000	19.589	2.1	108	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.916	0.4	109	0.00
89	1,2,4-Trichlorobenzene	20.000	18.904	5.5	114	0.00
90	Hexachlorobutadiene	20.000	20.046	-0.2	105	0.00
91 M	Naphthalene	20.000	18.346	8.3	116	0.00
92	1,2,3-Trichlorobenzene	20.000	18.669	6.7	113	0.00

(#) = Out of Range

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