

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN071420\
 Data File : VN062520.D
 Acq On : 14 Jul 2020 9:32
 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 15 00:54:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	102	0.00
2 M	Dichlorodifluoromethane	1.771	1.856	-4.8	108	0.00
3 M	Chloromethane	2.557	2.496	2.4	102	0.00
4 M	Vinyl Chloride	2.235	2.188	2.1	102	0.00
5 M	Bromomethane	1.109	0.938	15.4	93	0.00
6 M	Chloroethane	1.100	1.061	3.5	98	0.00
7 M	Trichlorofluoromethane	2.619	2.840	-8.4	108	0.00
8 T	Diethyl Ether	1.259	1.210	3.9	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.693	1.701	-0.5	104	0.00
10 M	1,1-Dichloroethene	1.728	1.711	1.0	103	0.00
11	Methyl Iodide	2.116	2.090	1.2	106	0.00
12	Methyl Acetate	2.317	2.282	1.5	104	0.00
13 M	Acrolein	0.346	0.365	-5.5	106	0.00
14 M	Acrylonitrile	1.078	1.030	4.5	101	0.00
15 M	Acetone	0.331	0.373	-12.7	99	0.00
16 M	Carbon Disulfide	5.630	5.527	1.8	104	0.00
17	Allyl chloride	3.674	3.767	-2.5	102	0.00
18 M	Methylene Chloride	2.126	2.085	1.9	100	0.00
19 M	trans-1,2-Dichloroethene	1.912	1.858	2.8	102	0.00
20 T	Diisopropyl ether	7.553	7.607	-0.7	103	0.00
21 M	1,1-Dichloroethane	3.993	3.953	1.0	102	0.00
22 M	cis-1,2-Dichloroethene	2.156	2.133	1.1	103	0.00
23 M	tert-Butyl Alcohol	0.361	0.352	2.5	99	0.00
24 M	Methyl tert-Butyl Ether	6.369	6.170	3.1	101	0.00
25 M	Chloroform	3.662	3.629	0.9	103	0.00
26	Cyclohexane	3.520	3.504	0.5	104	0.00
27 s	1,2-Dichloroethane-d4	2.577	2.542	1.4	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
29	1,1-Dichloropropene	0.509	0.504	1.0	104	0.00
30 M	2-Butanone	0.270	0.279	-3.3	100	0.00
31	2,2-Dichloropropane	0.574	0.571	0.5	102	0.00
32 M	1,1,1-Trichloroethane	0.547	0.546	0.2	103	0.00
33 M	Carbon Tetrachloride	0.474	0.485	-2.3	106	0.00
34 M	Benzene	1.512	1.502	0.7	102	0.00
35	Methacrylonitrile	0.237	0.235	0.8	98	0.00
36 M	1,2-Dichloroethane	0.543	0.547	-0.7	105	0.00
37 M	Trichloroethene	0.340	0.337	0.9	103	0.00
38	Methylcyclohexane	0.571	0.558	2.3	104	0.00
39 M	1,2-Dichloropropane	0.431	0.433	-0.5	103	0.00
40	Dibromomethane	0.248	0.243	2.0	101	0.00
41 M	Bromodichloromethane	0.526	0.520	1.1	102	0.00
42 M	Vinyl Acetate	1.121	1.118	0.3	101	0.00
43	Ethyl Acetate	0.543	0.536	1.3	102	0.00
44	Isopropyl Acetate	0.910	0.865	4.9	99	0.00
45 T	1,4-Dioxane	0.006	0.006#	0.0	98	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.432	0.416	3.7	100	0.00
47	n-amyl Acetate	0.767	0.718	6.4	101	0.00
48 M	t-1,3-Dichloropropene	0.614	0.599	2.4	103	0.00
49 T	cis-1,3-Dichloropropene	0.663	0.650	2.0	103	0.00
50 M	1,1,2-Trichloroethane	0.348	0.348	0.0	102	0.00
51	Ethyl methacrylate	0.586	0.558	4.8	100	0.00
52	1,3-Dichloropropane	0.639	0.640	-0.2	103	0.00
53 M	Dibromochloromethane	0.379	0.370	2.4	101	0.00
54 M	1,2-Dibromoethane	0.356	0.348	2.2	104	0.00
55 M	2-Chloroethyl vinyl ether	0.187	0.173	7.5	99	0.00
56 M	Bromoform	0.259	0.249	3.9	101	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
58 M	4-Methyl-2-Pentanone	0.584	0.574	1.7	99	0.00
59 M	2-Hexanone	0.429	0.425	0.9	100	0.00
60 S	4-Bromofluorobenzene	0.511	0.509	0.4	106	0.00
61 M	Tetrachloroethene	0.307	0.315	-2.6	106	0.00
62 M	Toluene	1.702	1.712	-0.6	103	0.00
63 S	Toluene-d8	1.418	1.430	-0.8	103	0.00
64 M	Chlorobenzene	1.000	1.005	-0.5	106	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.369	0.3	104	0.00
66 M	Ethyl Benzene	1.885	1.861	1.3	104	0.00
67 M	m/p-Xylenes	0.684	0.683	0.1	106	0.00
68 M	o-Xylene	0.656	0.647	1.4	104	0.00
69 M	Styrene	1.114	1.082	2.9	103	0.00
70	Isopropylbenzene	1.762	1.736	1.5	104	0.00
71 M	1,1,2,2-Tetrachloroethane	0.570	0.556	2.5	102	0.00
72	1,2,3-Trichloropropane	0.554	0.518	6.5	97	0.00
73	Bromobenzene	0.408	0.399	2.2	104	0.00
74	n-propylbenzene	2.095	2.082	0.6	107	0.00
75	2-Chlorotoluene	1.261	1.249	1.0	105	0.00
76	1,3,5-Trimethylbenzene	1.502	1.465	2.5	105	0.00
77	t-1,4-Dichloro-2-butene	0.207	0.190	8.2	99	0.00
78	4-Chlorotoluene	1.287	1.269	1.4	106	0.00
79	tert-butylbenzene	1.243	1.205	3.1	103	0.00
80	1,2,4-Trimethylbenzene	1.477	1.453	1.6	105	0.00
81	sec-Butylbenzene	1.670	1.645	1.5	107	0.00
82	p-Isopropyltoluene	1.474	1.448	1.8	107	0.00
83 M	1,3-Dichlorobenzene	0.709	0.690	2.7	105	0.00
84 M	1,4-Dichlorobenzene	0.699	0.686	1.9	109	0.00
85	n-Butylbenzene	1.264	1.201	5.0	110	0.00
86 T	Hexachloroethane	0.284	0.268	5.6	102	0.00
87 M	1,2-Dichlorobenzene	0.682	0.670	1.8	106	0.00
88	1,2-Dibromo-3-Chloropropane	0.108	0.100	7.4	97	0.00
89	1,2,4-Trichlorobenzene	0.339	0.311	8.3	107	0.00
90	Hexachlorobutadiene	0.188	0.191	-1.6	111	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.920	0.778	15.4	99	0.00
92	1,2,3-Trichlorobenzene	0.342	0.316	7.6	105	0.00

(#) = Out of Range

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