

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041619\
 Data File : VN055090.D
 Acq On : 16 Apr 2019 20:23
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 17 02:07:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 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	103	0.00
2 M	Dichlorodifluoromethane	1.764	1.737	1.5	98	0.00
3 M	Chloromethane	2.384	2.452	-2.9	107	0.00
4 M	Vinyl Chloride	2.061	2.039	1.1	102	0.00
5 M	Bromomethane	1.192	1.205	-1.1	106	0.00
6 M	Chloroethane	1.154	1.117	3.2	100	0.00
7 M	Trichlorofluoromethane	2.634	2.635	-0.0	101	0.00
8 T	Diethyl Ether	0.846	0.864	-2.1	106	0.00
9	1,1,2-Trichlorotrifluoroeth	1.440	1.411	2.0	99	0.00
10 M	1,1-Dichloroethene	1.331	1.269	4.7	98	0.00
11	Methyl Iodide	2.014	2.071	-2.8	110	0.00
12	Methyl Acetate	1.637	2.042	-24.7	133	0.00
13 M	Acrolein	0.143	0.136	4.9	102	0.00
14 M	Acrylonitrile	0.671	0.753	-12.2	121	0.00
15 M	Acetone	0.166	0.130	21.7	70	0.00
16 M	Carbon Disulfide	4.465	4.187	6.2	103	0.00
17	Allyl chloride	3.278	3.396	-3.6	109	0.00
18 M	Methylene Chloride	1.968	2.057	-4.5	110	0.00
19 M	trans-1,2-Dichloroethene	1.733	1.781	-2.8	107	0.00
20 T	Diisopropyl ether	6.641	7.040	-6.0	112	0.00
21 M	1,1-Dichloroethane	3.547	3.738	-5.4	110	0.00
22 M	cis-1,2-Dichloroethene	2.014	2.084	-3.5	109	0.00
23 M	tert-Butyl Alcohol	0.107	0.129	-20.6	136	0.00
24 M	Methyl tert-Butyl Ether	4.470	4.965	-11.1	119	0.00
25 M	Chloroform	3.398	3.542	-4.2	108	0.00
26	Cyclohexane	3.291	3.277	0.4	105	0.00
27 s	1,2-Dichloroethane-d4	2.287	2.274	0.6	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.467	0.480	-2.8	105	0.00
30 M	2-Butanone	0.155	0.166	-7.1	106	0.00
31	2,2-Dichloropropane	0.430	0.429	0.2	104	0.00
32 M	1,1,1-Trichloroethane	0.494	0.531	-7.5	111	0.00
33 M	Carbon Tetrachloride	0.428	0.428	0.0	106	0.00
34 M	Benzene	1.385	1.420	-2.5	105	0.00
35	Methacrylonitrile	0.183	0.197	-7.7	109	0.00
36 M	1,2-Dichloroethane	0.473	0.496	-4.9	107	0.00
37 M	Trichloroethene	0.353	0.361	-2.3	104	0.00
38	Methylcyclohexane	0.542	0.512	5.5	97	0.00
39 M	1,2-Dichloropropane	0.382	0.407	-6.5	110	0.00
40	Dibromomethane	0.216	0.234	-8.3	110	0.00
41 M	Bromodichloromethane	0.446	0.448	-0.4	106	0.00
42 M	Vinyl Acetate	0.784	0.865	-10.3	119	0.00
43	Ethyl Acetate	0.316	0.350	-10.8	117	0.00
44	Isopropyl Acetate	0.535	0.605	-13.1	125	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	106	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.277	0.322	-16.2	131	0.00
47	n-amyl Acetate	0.394	0.466	-18.3	134	0.00
48 M	t-1,3-Dichloropropene	0.410	0.415	-1.2	117	0.00
49 T	cis-1,3-Dichloropropene	0.506	0.526	-4.0	113	0.00
50 M	1,1,2-Trichloroethane	0.293	0.315	-7.5	111	0.00
51	Ethyl methacrylate	0.350	0.390	-11.4	127	0.00
52	1,3-Dichloropropane	0.514	0.562	-9.3	113	0.00
53 M	Dibromochloromethane	0.302	0.311	-3.0	112	0.00
54 M	1,2-Dibromoethane	0.276	0.296	-7.2	118	0.00
55 M	2-Chloroethyl vinyl ether	0.146	0.144	1.4	105	0.00
56 M	Bromoform	0.190	0.187	1.6	114	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.346	0.398	-15.0	123	0.00
59 M	2-Hexanone	0.220	0.241	-9.5	112	0.00
60 S	4-Bromofluorobenzene	0.467	0.451	3.4	100	0.00
61 M	Tetrachloroethene	0.390	0.384	1.5	98	0.00
62 M	Toluene	1.653	1.694	-2.5	105	0.00
63 S	Toluene-d8	1.426	1.420	0.4	99	0.00
64 M	Chlorobenzene	0.998	1.031	-3.3	106	0.00
65	1,1,1,2-Tetrachloroethane	0.355	0.380	-7.0	114	0.00
66 M	Ethyl Benzene	1.772	1.796	-1.4	105	0.00
67 M	m/p-Xylenes	0.659	0.676	-2.6	105	0.00
68 M	o-Xylene	0.651	0.673	-3.4	106	0.00
69 M	Styrene	1.011	1.010	0.1	105	0.00
70	Isopropylbenzene	1.740	1.759	-1.1	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.398	0.447	-12.3	116	0.00
72	1,2,3-Trichloropropane	0.329	0.380	-15.5	117	0.00
73	Bromobenzene	0.411	0.411	0.0	104	0.00
74	n-propylbenzene	1.948	1.923	1.3	100	0.00
75	2-Chlorotoluene	1.175	1.207	-2.7	104	0.00
76	1,3,5-Trimethylbenzene	1.407	1.411	-0.3	101	0.00
77	t-1,4-Dichloro-2-butene	0.083	0.084	-1.2	126	0.00
78	4-Chlorotoluene	1.120	1.112	0.7	103	0.00
79	tert-butylbenzene	1.217	1.223	-0.5	102	0.00
80	1,2,4-Trimethylbenzene	1.382	1.390	-0.6	104	0.00
81	sec-Butylbenzene	1.627	1.597	1.8	99	0.00
82	p-Isopropyltoluene	1.373	1.332	3.0	98	0.00
83 M	1,3-Dichlorobenzene	0.688	0.664	3.5	101	0.00
84 M	1,4-Dichlorobenzene	0.654	0.620	5.2	101	0.00
85	n-Butylbenzene	1.094	0.987	9.8	97	0.00
86 T	Hexachloroethane	0.220	0.207	5.9	101	0.00
87 M	1,2-Dichlorobenzene	0.674	0.676	-0.3	104	0.00
88	1,2-Dibromo-3-Chloropropane	0.053	0.056	-5.7	115	0.00
89	1,2,4-Trichlorobenzene	0.301	0.262	13.0	107	0.00
90	Hexachlorobutadiene	0.220	0.228	-3.6	101	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.631	0.585	7.3	124	0.00
92	1,2,3-Trichlorobenzene	0.301	0.281	6.6	109	0.00

(#) = Out of Range

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