

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041619\
 Data File : VN055068.D
 Acq On : 16 Apr 2019 10:08
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 17 01:44:20 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	106	0.00
2 M	Dichlorodifluoromethane	1.764	1.792	-1.6	104	0.00
3 M	Chloromethane	2.384	2.462	-3.3	110	0.00
4 M	Vinyl Chloride	2.061	2.130	-3.3	109	0.00
5 M	Bromomethane	1.192	1.251	-4.9	113	0.00
6 M	Chloroethane	1.154	1.161	-0.6	107	0.00
7 M	Trichlorofluoromethane	2.634	2.677	-1.6	105	0.00
8 T	Diethyl Ether	0.846	0.867	-2.5	109	0.00
9	1,1,2-Trichlorotrifluoroeth	1.440	1.510	-4.9	108	0.00
10 M	1,1-Dichloroethene	1.331	1.319	0.9	104	0.00
11	Methyl Iodide	2.014	2.046	-1.6	111	0.00
12	Methyl Acetate	1.637	1.954	-19.4	130	0.00
13 M	Acrolein	0.143	0.141	1.4	109	0.00
14 M	Acrylonitrile	0.671	0.752	-12.1	124	0.00
15 M	Acetone	0.166	0.232	-39.8#	128	0.00
16 M	Carbon Disulfide	4.465	4.419	1.0	112	0.00
17	Allyl chloride	3.278	3.464	-5.7	114	0.00
18 M	Methylene Chloride	1.968	2.074	-5.4	114	0.00
19 M	trans-1,2-Dichloroethene	1.733	1.798	-3.8	111	0.00
20 T	Diisopropyl ether	6.641	6.969	-4.9	114	0.00
21 M	1,1-Dichloroethane	3.547	3.714	-4.7	112	0.00
22 M	cis-1,2-Dichloroethene	2.014	2.055	-2.0	111	0.00
23 M	tert-Butyl Alcohol	0.107	0.123	-15.0	133	0.00
24 M	Methyl tert-Butyl Ether	4.470	4.968	-11.1	122	0.00
25 M	Chloroform	3.398	3.558	-4.7	112	0.00
26	Cyclohexane	3.291	3.312	-0.6	109	0.00
27 s	1,2-Dichloroethane-d4	2.287	2.306	-0.8	104	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.467	0.498	-6.6	111	0.00
30 M	2-Butanone	0.155	0.202	-30.3#	131	0.00
31	2,2-Dichloropropane	0.430	0.470	-9.3	116	0.00
32 M	1,1,1-Trichloroethane	0.494	0.538	-8.9	115	0.00
33 M	Carbon Tetrachloride	0.428	0.453	-5.8	114	0.00
34 M	Benzene	1.385	1.477	-6.6	112	0.00
35	Methacrylonitrile	0.183	0.212	-15.8	120	0.00
36 M	1,2-Dichloroethane	0.473	0.507	-7.2	111	0.00
37 M	Trichloroethene	0.353	0.376	-6.5	110	0.00
38	Methylcyclohexane	0.542	0.533	1.7	103	0.00
39 M	1,2-Dichloropropane	0.382	0.415	-8.6	114	0.00
40	Dibromomethane	0.216	0.236	-9.3	113	0.00
41 M	Bromodichloromethane	0.446	0.472	-5.8	114	0.00
42 M	Vinyl Acetate	0.784	0.873	-11.4	123	0.00
43	Ethyl Acetate	0.316	0.329	-4.1	112	0.00
44	Isopropyl Acetate	0.535	0.604	-12.9	128	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	115	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.277	0.301	-8.7	125	0.00
47	n-amyl Acetate	0.394	0.456	-15.7	134	0.00
48 M	t-1,3-Dichloropropene	0.410	0.434	-5.9	125	0.00
49 T	cis-1,3-Dichloropropene	0.506	0.532	-5.1	117	0.00
50 M	1,1,2-Trichloroethane	0.293	0.319	-8.9	115	0.00
51	Ethyl methacrylate	0.350	0.379	-8.3	126	0.00
52	1,3-Dichloropropane	0.514	0.571	-11.1	117	0.00
53 M	Dibromochloromethane	0.302	0.315	-4.3	116	0.00
54 M	1,2-Dibromoethane	0.276	0.298	-8.0	121	0.00
55 M	2-Chloroethyl vinyl ether	0.146	0.143	2.1	107	0.00
56 M	Bromoform	0.190	0.191	-0.5	119	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.346	0.396	-14.5	126	0.00
59 M	2-Hexanone	0.220	0.274	-24.5	131	0.00
60 S	4-Bromofluorobenzene	0.467	0.457	2.1	104	0.00
61 M	Tetrachloroethene	0.390	0.408	-4.6	106	0.00
62 M	Toluene	1.653	1.736	-5.0	110	0.00
63 S	Toluene-d8	1.426	1.436	-0.7	102	0.00
64 M	Chlorobenzene	0.998	1.024	-2.6	107	0.00
65	1,1,1,2-Tetrachloroethane	0.355	0.390	-9.9	119	0.00
66 M	Ethyl Benzene	1.772	1.849	-4.3	111	0.00
67 M	m/p-Xylenes	0.659	0.699	-6.1	111	0.00
68 M	o-Xylene	0.651	0.693	-6.5	112	0.00
69 M	Styrene	1.011	1.055	-4.4	112	0.00
70	Isopropylbenzene	1.740	1.818	-4.5	109	0.00
71 M	1,1,2,2-Tetrachloroethane	0.398	0.446	-12.1	119	0.00
72	1,2,3-Trichloropropane	0.329	0.352	-7.0	110	0.00
73	Bromobenzene	0.411	0.422	-2.7	109	0.00
74	n-propylbenzene	1.948	2.016	-3.5	107	0.00
75	2-Chlorotoluene	1.175	1.240	-5.5	109	0.00
76	1,3,5-Trimethylbenzene	1.407	1.464	-4.1	107	0.00
77	t-1,4-Dichloro-2-butene	0.083	0.086	-3.6	131	0.00
78	4-Chlorotoluene	1.120	1.160	-3.6	110	0.00
79	tert-butylbenzene	1.217	1.284	-5.5	109	0.00
80	1,2,4-Trimethylbenzene	1.382	1.447	-4.7	111	0.00
81	sec-Butylbenzene	1.627	1.667	-2.5	105	0.00
82	p-Isopropyltoluene	1.373	1.407	-2.5	106	0.00
83 M	1,3-Dichlorobenzene	0.688	0.710	-3.2	111	0.00
84 M	1,4-Dichlorobenzene	0.654	0.667	-2.0	111	0.00
85	n-Butylbenzene	1.094	1.040	4.9	105	0.00
86 T	Hexachloroethane	0.220	0.220	0.0	110	0.00
87 M	1,2-Dichlorobenzene	0.674	0.711	-5.5	112	0.00
88	1,2-Dibromo-3-Chloropropane	0.053	0.055	-3.8	115	0.00
89	1,2,4-Trichlorobenzene	0.301	0.275	8.6	115	0.00
90	Hexachlorobutadiene	0.220	0.235	-6.8	106	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.631	0.600	4.9	130	0.00
92	1,2,3-Trichlorobenzene	0.301	0.300	0.3	119	0.00

(#) = Out of Range

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