

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052419\
 Data File : VN055781.D
 Acq On : 24 May 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 24 13:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 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	99	0.00
2 M	Dichlorodifluoromethane	1.315	1.304	0.8	99	0.00
3 M	Chloromethane	1.871	1.750	6.5	91	0.00
4 M	Vinyl Chloride	1.910	1.891	1.0	96	0.00
5 M	Bromomethane	1.118	1.210	-8.2	99	-0.03
6 M	Chloroethane	1.116	1.166	-4.5	100	-0.02
7 M	Trichlorofluoromethane	2.396	2.581	-7.7	107	0.00
8 T	Diethyl Ether	1.053	1.115	-5.9	104	0.00
9	1,1,2-Trichlorotrifluoroeth	1.514	1.654	-9.2	107	0.00
10 M	1,1-Dichloroethene	1.583	1.645	-3.9	102	0.00
11	Methyl Iodide	2.259	2.310	-2.3	103	0.00
12	Methyl Acetate	1.937	1.765	8.9	91	0.00
13 M	Acrolein	0.269	0.251	6.7	96	0.00
14 M	Acrylonitrile	0.883	0.820	7.1	90	0.00
15 M	Acetone	0.274	0.339	-23.7	115	0.00
16 M	Carbon Disulfide	4.540	4.438	2.2	96	0.00
17	Allyl chloride	2.852	2.683	5.9	93	0.00
18 M	Methylene Chloride	1.814	1.842	-1.5	100	0.00
19 M	trans-1,2-Dichloroethene	1.703	1.729	-1.5	99	0.00
20 T	Diisopropyl ether	5.532	5.213	5.8	93	0.00
21 M	1,1-Dichloroethane	3.127	3.057	2.2	96	0.00
22 M	cis-1,2-Dichloroethene	1.987	2.030	-2.2	101	0.00
23 M	tert-Butyl Alcohol	0.388	0.342	11.9	86	0.00
24 M	Methyl tert-Butyl Ether	5.373	5.286	1.6	96	0.00
25 M	Chloroform	3.088	3.157	-2.2	100	0.00
26	Cyclohexane	2.885	2.898	-0.5	99	0.00
27 s	1,2-Dichloroethane-d4	1.961	1.922	2.0	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.420	0.422	-0.5	100	0.00
30 M	2-Butanone	0.224	0.224	0.0	97	0.00
31	2,2-Dichloropropane	0.489	0.493	-0.8	98	0.00
32 M	1,1,1-Trichloroethane	0.498	0.504	-1.2	100	0.00
33 M	Carbon Tetrachloride	0.445	0.442	0.7	98	0.00
34 M	Benzene	1.297	1.297	0.0	99	0.00
35	Methacrylonitrile	0.207	0.169	18.4	83	0.00
36 M	1,2-Dichloroethane	0.424	0.426	-0.5	99	0.00
37 M	Trichloroethene	0.362	0.379	-4.7	104	0.00
38	Methylcyclohexane	0.532	0.546	-2.6	104	0.00
39 M	1,2-Dichloropropane	0.349	0.338	3.2	96	0.00
40	Dibromomethane	0.225	0.224	0.4	100	0.00
41 M	Bromodichloromethane	0.461	0.443	3.9	95	0.00
42 M	Vinyl Acetate	0.869	0.806	7.2	91	0.00
43	Ethyl Acetate	0.440	0.409	7.0	91	0.00
44	Isopropyl Acetate	0.729	0.649	11.0	89	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	102	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.340	0.309	9.1	90	0.00
47	n-amyl Acetate	0.603	0.550	8.8	91	0.00
48 M	t-1,3-Dichloropropene	0.509	0.472	7.3	94	0.00
49 T	cis-1,3-Dichloropropene	0.557	0.534	4.1	95	0.00
50 M	1,1,2-Trichloroethane	0.328	0.327	0.3	99	0.00
51	Ethyl methacrylate	0.528	0.497	5.9	94	0.00
52	1,3-Dichloropropane	0.540	0.530	1.9	96	0.00
53 M	Dibromochloromethane	0.387	0.373	3.6	98	0.00
54 M	1,2-Dibromoethane	0.339	0.341	-0.6	101	0.00
55 M	2-Chloroethyl vinyl ether	0.205	0.188	8.3	93	0.00
56 M	Bromoform	0.318	0.286	10.1	90	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58 M	4-Methyl-2-Pentanone	0.497	0.462	7.0	91	0.00
59 M	2-Hexanone	0.355	0.337	5.1	94	0.00
60 S	4-Bromofluorobenzene	0.467	0.459	1.7	100	0.00
61 M	Tetrachloroethene	0.406	0.446	-9.9	106	0.00
62 M	Toluene	1.613	1.647	-2.1	100	0.00
63 S	Toluene-d8	1.371	1.363	0.6	98	0.00
64 M	Chlorobenzene	0.979	1.018	-4.0	103	0.00
65	1,1,1,2-Tetrachloroethane	0.394	0.393	0.3	98	0.00
66 M	Ethyl Benzene	1.763	1.826	-3.6	102	0.00
67 M	m/p-Xylenes	0.670	0.708	-5.7	104	0.00
68 M	o-Xylene	0.663	0.683	-3.0	101	0.00
69 M	Styrene	1.093	1.121	-2.6	103	0.00
70	Isopropylbenzene	1.734	1.809	-4.3	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.534	0.519	2.8	95	0.00
72	1,2,3-Trichloropropane	0.459	0.452	1.5	94	0.00
73	Bromobenzene	0.459	0.479	-4.4	105	0.00
74	n-propylbenzene	1.870	1.954	-4.5	105	0.00
75	2-Chlorotoluene	1.142	1.202	-5.3	104	0.00
76	1,3,5-Trimethylbenzene	1.433	1.535	-7.1	105	0.00
77	t-1,4-Dichloro-2-butene	0.182	0.156	14.3	88	0.00
78	4-Chlorotoluene	1.082	1.123	-3.8	105	0.00
79	tert-butylbenzene	1.260	1.359	-7.9	105	0.00
80	1,2,4-Trimethylbenzene	1.423	1.511	-6.2	105	0.00
81	sec-Butylbenzene	1.601	1.722	-7.6	106	0.00
82	p-Isopropyltoluene	1.473	1.581	-7.3	107	0.00
83 M	1,3-Dichlorobenzene	0.719	0.767	-6.7	108	0.00
84 M	1,4-Dichlorobenzene	0.685	0.714	-4.2	108	0.00
85	n-Butylbenzene	1.146	1.192	-4.0	109	0.00
86 T	Hexachloroethane	0.290	0.282	2.8	96	0.00
87 M	1,2-Dichlorobenzene	0.724	0.765	-5.7	106	0.00
88	1,2-Dibromo-3-Chloropropane	0.101	0.090	10.9	89	0.00
89	1,2,4-Trichlorobenzene	0.391	0.372	4.9	111	0.00
90	Hexachlorobutadiene	0.292	0.320	-9.6	108	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.068	0.992	7.1	105	0.00
92	1,2,3-Trichlorobenzene	0.408	0.398	2.5	106	0.00

(#) = Out of Range

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