

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN061419\
 Data File : VN056300.D
 Acq On : 14 Jun 2019 9:19
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 17 14:16:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 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	108	0.00
2 M	Dichlorodifluoromethane	1.687	1.811	-7.4	110	0.00
3 M	Chloromethane	1.971	1.977	-0.3	109	0.00
4 M	Vinyl Chloride	2.010	2.057	-2.3	108	0.00
5 M	Bromomethane	1.263	1.091	13.6	88	-0.02
6 M	Chloroethane	1.137	1.160	-2.0	105	0.00
7 M	Trichlorofluoromethane	2.487	2.603	-4.7	111	0.00
8 T	Diethyl Ether	1.055	1.020	3.3	104	0.00
9	1,1,2-Trichlorotrifluoroeth	1.535	1.642	-7.0	114	0.00
10 M	1,1-Dichloroethene	1.566	1.541	1.6	106	0.00
11	Methyl Iodide	2.471	1.812	26.7	81	0.00
12	Methyl Acetate	1.882	1.872	0.5	109	0.00
13 M	Acrolein	0.092	0.102	-10.9	125	0.00
14 M	Acrylonitrile	0.839	0.841	-0.2	109	0.00
15 M	Acetone	0.275	0.349	-26.9	128	0.00
16 M	Carbon Disulfide	3.726	3.853	-3.4	120	0.00
17	Allyl chloride	2.426	2.508	-3.4	115	0.00
18 M	Methylene Chloride	1.813	1.848	-1.9	111	0.00
19 M	trans-1,2-Dichloroethene	1.672	1.674	-0.1	107	0.00
20 T	Diisopropyl ether	5.027	5.179	-3.0	111	0.00
21 M	1,1-Dichloroethane	2.921	3.056	-4.6	113	0.00
22 M	cis-1,2-Dichloroethene	1.951	1.920	1.6	106	0.00
23 M	tert-Butyl Alcohol	0.327	0.225	31.2#	77	0.00
24 M	Methyl tert-Butyl Ether	4.991	4.820	3.4	104	0.00
25 M	Chloroform	2.917	3.034	-4.0	112	0.00
26	Cyclohexane	2.710	2.769	-2.2	111	0.00
27 s	1,2-Dichloroethane-d4	1.863	2.066	-10.9	118	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.406	0.421	-3.7	112	0.00
30 M	2-Butanone	0.214	0.234	-9.3	115	0.00
31	2,2-Dichloropropane	0.378	0.381	-0.8	108	0.00
32 M	1,1,1-Trichloroethane	0.448	0.465	-3.8	111	0.00
33 M	Carbon Tetrachloride	0.380	0.401	-5.5	116	0.00
34 M	Benzene	1.293	1.320	-2.1	109	0.00
35	Methacrylonitrile	0.180	0.202	-12.2	107	0.00
36 M	1,2-Dichloroethane	0.405	0.440	-8.6	117	0.00
37 M	Trichloroethene	0.362	0.361	0.3	105	0.00
38	Methylcyclohexane	0.514	0.510	0.8	109	0.00
39 M	1,2-Dichloropropane	0.331	0.352	-6.3	112	0.00
40	Dibromomethane	0.220	0.227	-3.2	111	0.00
41 M	Bromodichloromethane	0.393	0.424	-7.9	119	0.00
42 M	Vinyl Acetate	0.762	0.765	-0.4	108	0.00
43	Ethyl Acetate	0.409	0.394	3.7	103	0.00
44	Isopropyl Acetate	0.635	0.592	6.8	104	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	96	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.315	0.312	1.0	114	0.00
47	n-amyl Acetate	0.525	0.469	10.7	100	0.00
48 M	t-1,3-Dichloropropene	0.414	0.395	4.6	110	0.00
49 T	cis-1,3-Dichloropropene	0.484	0.488	-0.8	111	0.00
50 M	1,1,2-Trichloroethane	0.326	0.334	-2.5	110	0.00
51	Ethyl methacrylate	0.493	0.452	8.3	102	0.00
52	1,3-Dichloropropane	0.529	0.547	-3.4	110	0.00
53 M	Dibromochloromethane	0.319	0.327	-2.5	120	0.00
54 M	1,2-Dibromoethane	0.340	0.340	0.0	109	0.00
55 M	2-Chloroethyl vinyl ether	0.173	0.142	17.9	94	0.00
56 M	Bromoform	0.231	0.230	0.4	122	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
58 M	4-Methyl-2-Pentanone	0.454	0.450	0.9	107	0.00
59 M	2-Hexanone	0.325	0.330	-1.5	110	0.00
60 S	4-Bromofluorobenzene	0.445	0.438	1.6	109	0.00
61 M	Tetrachloroethene	0.418	0.405	3.1	102	0.00
62 M	Toluene	1.620	1.618	0.1	107	0.00
63 S	Toluene-d8	1.361	1.444	-6.1	112	0.00
64 M	Chlorobenzene	0.982	0.977	0.5	108	0.00
65	1,1,1,2-Tetrachloroethane	0.354	0.365	-3.1	113	0.00
66 M	Ethyl Benzene	1.725	1.689	2.1	106	0.00
67 M	m/p-Xylenes	0.660	0.637	3.5	104	0.00
68 M	o-Xylene	0.646	0.620	4.0	103	0.00
69 M	Styrene	1.050	0.988	5.9	104	0.00
70	Isopropylbenzene	1.689	1.653	2.1	105	0.00
71 M	1,1,2,2-Tetrachloroethane	0.509	0.509	0.0	107	0.00
72	1,2,3-Trichloropropane	0.441	0.403	8.6	100	0.00
73	Bromobenzene	0.448	0.426	4.9	105	0.00
74	n-propylbenzene	1.782	1.715	3.8	107	0.00
75	2-Chlorotoluene	1.105	1.078	2.4	107	0.00
76	1,3,5-Trimethylbenzene	1.389	1.342	3.4	105	0.00
77	t-1,4-Dichloro-2-butene	0.126	0.109	13.5	109	0.00
78	4-Chlorotoluene	1.032	0.966	6.4	107	0.00
79	tert-butylbenzene	1.231	1.180	4.1	104	0.00
80	1,2,4-Trimethylbenzene	1.351	1.276	5.6	104	0.00
81	sec-Butylbenzene	1.557	1.512	2.9	107	0.00
82	p-Isopropyltoluene	1.408	1.289	8.5	102	0.00
83 M	1,3-Dichlorobenzene	0.699	0.628	10.2	103	0.00
84 M	1,4-Dichlorobenzene	0.665	0.558	16.1	100	0.00
85	n-Butylbenzene	1.051	0.849	19.2	98	0.00
86 T	Hexachloroethane	0.219	0.226	-3.2	120	0.00
87 M	1,2-Dichlorobenzene	0.710	0.613	13.7	98	0.00
88	1,2-Dibromo-3-Chloropropane	0.080	0.073	8.8	112	0.00
89	1,2,4-Trichlorobenzene	0.346	0.215	37.9#	86	0.00
90	Hexachlorobutadiene	0.259	0.235	9.3	101	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.943	0.573	39.2#	83	0.00
92	1,2,3-Trichlorobenzene	0.372	0.258	30.6#	89	0.00

(#) = Out of Range

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