

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN101219\
 Data File : VN058692.D
 Acq On : 11 Oct 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 11 17:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 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	94	0.00
2 M	Dichlorodifluoromethane	1.625	1.834	-12.9	101	0.00
3 M	Chloromethane	2.171	2.311	-6.4	97	0.00
4 M	Vinyl Chloride	2.244	2.365	-5.4	95	0.00
5 M	Bromomethane	1.386	1.496	-7.9	95	0.00
6 M	Chloroethane	1.411	1.486	-5.3	96	0.00
7 M	Trichlorofluoromethane	2.762	3.004	-8.8	99	0.00
8 T	Diethyl Ether	1.053	1.097	-4.2	94	0.00
9	1,1,2-Trichlorotrifluoroeth	1.598	1.750	-9.5	100	0.00
10 M	1,1-Dichloroethene	1.570	1.637	-4.3	95	0.00
11	Methyl Iodide	2.186	2.278	-4.2	98	0.00
12	Methyl Acetate	2.511	2.600	-3.5	97	0.00
13 M	Acrolein	0.277	0.259	6.5	91	0.00
14 M	Acrylonitrile	0.990	1.054	-6.5	102	0.00
15 M	Acetone	0.294	0.315	-7.1	103	0.00
16 M	Carbon Disulfide	4.578	4.753	-3.8	95	0.00
17	Allyl chloride	3.124	3.312	-6.0	97	0.00
18 M	Methylene Chloride	1.901	1.989	-4.6	96	0.00
19 M	trans-1,2-Dichloroethene	1.709	1.804	-5.6	96	0.00
20 T	Diisopropyl ether	6.365	6.700	-5.3	97	0.00
21 M	1,1-Dichloroethane	3.525	3.805	-7.9	99	0.00
22 M	cis-1,2-Dichloroethene	2.037	2.130	-4.6	95	0.00
23 M	tert-Butyl Alcohol	0.405	0.412	-1.7	97	0.00
24 M	Methyl tert-Butyl Ether	5.856	6.214	-6.1	97	0.00
25 M	Chloroform	3.515	3.738	-6.3	97	0.00
26	Cyclohexane	3.094	3.244	-4.8	98	0.00
27 s	1,2-Dichloroethane-d4	2.546	2.632	-3.4	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.472	0.492	-4.2	97	0.00
30 M	2-Butanone	0.267	0.272	-1.9	98	0.00
31	2,2-Dichloropropane	0.557	0.588	-5.6	102	0.00
32 M	1,1,1-Trichloroethane	0.546	0.580	-6.2	98	0.00
33 M	Carbon Tetrachloride	0.473	0.500	-5.7	98	0.00
34 M	Benzene	1.390	1.441	-3.7	96	0.00
35	Methacrylonitrile	0.236	0.230	2.5	91	-0.01
36 M	1,2-Dichloroethane	0.532	0.571	-7.3	99	0.00
37 M	Trichloroethene	0.342	0.362	-5.8	99	0.00
38	Methylcyclohexane	0.548	0.553	-0.9	96	0.00
39 M	1,2-Dichloropropane	0.380	0.399	-5.0	96	0.00
40	Dibromomethane	0.240	0.248	-3.3	96	0.00
41 M	Bromodichloromethane	0.490	0.508	-3.7	96	0.00
42 M	Vinyl Acetate	0.935	1.012	-8.2	97	0.00
43	Ethyl Acetate	0.524	0.555	-5.9	98	0.00
44	Isopropyl Acetate	0.848	0.867	-2.2	97	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	93	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.390	0.400	-2.6	99	0.00
47	n-amyl Acetate	0.752	0.747	0.7	96	0.00
48 M	t-1,3-Dichloropropene	0.568	0.576	-1.4	96	0.00
49 T	cis-1,3-Dichloropropene	0.597	0.629	-5.4	99	0.00
50 M	1,1,2-Trichloroethane	0.342	0.363	-6.1	98	0.00
51	Ethyl methacrylate	0.548	0.549	-0.2	96	0.00
52	1,3-Dichloropropane	0.610	0.628	-3.0	96	0.00
53 M	Dibromochloromethane	0.367	0.381	-3.8	98	0.00
54 M	1,2-Dibromoethane	0.355	0.364	-2.5	96	0.00
55 M	2-Chloroethyl vinyl ether	0.272	0.280	-2.9	92	0.00
56 M	Bromoform	0.256	0.257	-0.4	98	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
58 M	4-Methyl-2-Pentanone	0.547	0.602	-10.1	98	0.00
59 M	2-Hexanone	0.429	0.451	-5.1	97	0.00
60 S	4-Bromofluorobenzene	0.525	0.523	0.4	95	0.00
61 M	Tetrachloroethene	0.324	0.349	-7.7	97	0.00
62 M	Toluene	1.614	1.702	-5.5	96	0.00
63 S	Toluene-d8	1.416	1.430	-1.0	95	0.00
64 M	Chlorobenzene	0.987	1.032	-4.6	96	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.389	-5.1	98	0.00
66 M	Ethyl Benzene	1.787	1.864	-4.3	96	0.00
67 M	m/p-Xylenes	0.668	0.697	-4.3	96	0.00
68 M	o-Xylene	0.647	0.670	-3.6	96	0.00
69 M	Styrene	1.069	1.083	-1.3	96	0.00
70	Isopropylbenzene	1.747	1.836	-5.1	97	0.00
71 M	1,1,2,2-Tetrachloroethane	0.588	0.616	-4.8	97	0.00
72	1,2,3-Trichloropropane	0.533	0.596	-11.8	103	0.00
73	Bromobenzene	0.424	0.430	-1.4	95	0.00
74	n-propylbenzene	2.045	2.174	-6.3	96	0.00
75	2-Chlorotoluene	1.231	1.298	-5.4	98	0.00
76	1,3,5-Trimethylbenzene	1.497	1.561	-4.3	97	0.00
77	t-1,4-Dichloro-2-butene	0.203	0.195	3.9	93	0.00
78	4-Chlorotoluene	1.268	1.317	-3.9	97	0.00
79	tert-butylbenzene	1.279	1.330	-4.0	97	0.00
80	1,2,4-Trimethylbenzene	1.487	1.566	-5.3	97	0.00
81	sec-Butylbenzene	1.721	1.787	-3.8	96	0.00
82	p-Isopropyltoluene	1.545	1.614	-4.5	97	0.00
83 M	1,3-Dichlorobenzene	0.768	0.794	-3.4	97	0.00
84 M	1,4-Dichlorobenzene	0.767	0.769	-0.3	94	0.00
85	n-Butylbenzene	1.415	1.451	-2.5	98	0.00
86 T	Hexachloroethane	0.281	0.277	1.4	94	0.00
87 M	1,2-Dichlorobenzene	0.758	0.775	-2.2	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.131	0.137	-4.6	97	0.00
89	1,2,4-Trichlorobenzene	0.479	0.478	0.2	96	0.00
90	Hexachlorobutadiene	0.247	0.252	-2.0	97	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.413	1.426	-0.9	96	0.00
92	1,2,3-Trichlorobenzene	0.466	0.469	-0.6	96	0.00

(#) = Out of Range

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