

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN030419\
 Data File : VN054057.D
 Acq On : 4 Mar 2019 9:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 04 23:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 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	105	0.00
2 M	Dichlorodifluoromethane	1.696	1.768	-4.2	108	0.00
3 M	Chloromethane	2.256	2.238	0.8	104	0.00
4 M	Vinyl Chloride	2.259	2.273	-0.6	105	0.00
5 M	Bromomethane	1.390	1.400	-0.7	106	0.00
6 M	Chloroethane	1.330	1.400	-5.3	110	0.00
7 M	Trichlorofluoromethane	2.745	2.929	-6.7	111	0.00
8 T	Diethyl Ether	1.032	0.998	3.3	101	0.00
9	1,1,2-Trichlorotrifluoroeth	1.765	1.863	-5.6	111	0.00
10 M	1,1-Dichloroethene	1.654	1.678	-1.5	106	0.00
11	Methyl Iodide	2.453	2.152	12.3	94	0.00
12	Methyl Acetate	1.394	1.347	3.4	106	0.00
13 M	Acrolein	0.133	0.128	3.8	92	0.00
14 M	Acrylonitrile	0.670	0.647	3.4	104	0.00
15 M	Acetone	0.193	0.218	-13.0	111	0.00
16 M	Carbon Disulfide	5.365	5.472	-2.0	109	0.00
17	Allyl chloride	2.924	2.958	-1.2	106	0.00
18 M	Methylene Chloride	1.909	2.038	-6.8	110	0.00
19 M	trans-1,2-Dichloroethene	1.794	1.857	-3.5	109	0.00
20 T	Diisopropyl ether	5.850	5.941	-1.6	108	0.00
21 M	1,1-Dichloroethane	3.455	3.565	-3.2	109	0.00
22 M	cis-1,2-Dichloroethene	1.997	2.087	-4.5	110	0.00
23 M	tert-Butyl Alcohol	0.120	0.111	7.5	102	0.00
24 M	Methyl tert-Butyl Ether	4.477	4.451	0.6	108	0.00
25 M	Chloroform	3.334	3.570	-7.1	111	0.00
26	Cyclohexane	3.144	3.184	-1.3	108	0.00
27 s	1,2-Dichloroethane-d4	2.107	2.150	-2.0	107	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
29	1,1-Dichloropropene	0.470	0.497	-5.7	111	0.00
30 M	2-Butanone	0.148	0.151	-2.0	108	0.00
31	2,2-Dichloropropane	0.463	0.500	-8.0	113	0.00
32 M	1,1,1-Trichloroethane	0.505	0.549	-8.7	113	0.00
33 M	Carbon Tetrachloride	0.448	0.478	-6.7	110	0.00
34 M	Benzene	1.397	1.495	-7.0	111	0.00
35	Methacrylonitrile	0.166	0.174	-4.8	102	0.00
36 M	1,2-Dichloroethane	0.448	0.487	-8.7	111	0.00
37 M	Trichloroethene	0.365	0.401	-9.9	115	0.00
38	Methylcyclohexane	0.555	0.573	-3.2	112	0.00
39 M	1,2-Dichloropropane	0.383	0.400	-4.4	107	0.00
40	Dibromomethane	0.219	0.234	-6.8	111	0.00
41 M	Bromodichloromethane	0.465	0.502	-8.0	113	0.00
42 M	Vinyl Acetate	0.767	0.753	1.8	106	0.00
43	Ethyl Acetate	0.311	0.311	0.0	98	0.00
44	Isopropyl Acetate	0.545	0.510	6.4	101	0.00
45 T	1,4-Dioxane	0.003	0.004#	-33.3#	114	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.262	0.251	4.2	107	0.00
47	n-amyl Acetate	0.401	0.379	5.5	109	0.00
48 M	t-1,3-Dichloropropene	0.467	0.464	0.6	109	0.00
49 T	cis-1,3-Dichloropropene	0.548	0.559	-2.0	109	0.00
50 M	1,1,2-Trichloroethane	0.308	0.327	-6.2	109	0.00
51	Ethyl methacrylate	0.370	0.350	5.4	105	0.00
52	1,3-Dichloropropane	0.528	0.558	-5.7	110	0.00
53 M	Dibromochloromethane	0.338	0.357	-5.6	112	0.00
54 M	1,2-Dibromoethane	0.293	0.302	-3.1	108	0.00
55 M	2-Chloroethyl vinyl ether	0.172	0.163	5.2	108	0.00
56 M	Bromoform	0.224	0.228	-1.8	110	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
58 M	4-Methyl-2-Pentanone	0.338	0.338	0.0	108	0.00
59 M	2-Hexanone	0.221	0.219	0.9	109	0.00
60 S	4-Bromofluorobenzene	0.459	0.456	0.7	107	0.00
61 M	Tetrachloroethene	0.417	0.448	-7.4	108	0.00
62 M	Toluene	1.677	1.793	-6.9	112	0.00
63 S	Toluene-d8	1.443	1.452	-0.6	105	0.00
64 M	Chlorobenzene	1.021	1.058	-3.6	110	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.395	-5.3	112	0.00
66 M	Ethyl Benzene	1.753	1.835	-4.7	112	0.00
67 M	m/p-Xylenes	0.660	0.706	-7.0	112	0.00
68 M	o-Xylene	0.640	0.668	-4.4	111	0.00
69 M	Styrene	1.013	1.066	-5.2	111	0.00
70	Isopropylbenzene	1.679	1.796	-7.0	112	0.00
71 M	1,1,2,2-Tetrachloroethane	0.414	0.419	-1.2	109	0.00
72	1,2,3-Trichloropropane	0.315	0.342	-8.6	115	0.00
73	Bromobenzene	0.423	0.434	-2.6	109	0.00
74	n-propylbenzene	1.999	2.110	-5.6	111	0.00
75	2-Chlorotoluene	1.171	1.243	-6.1	112	0.00
76	1,3,5-Trimethylbenzene	1.422	1.505	-5.8	111	0.00
77	t-1,4-Dichloro-2-butene	0.112	0.103	8.0	107	0.00
78	4-Chlorotoluene	1.171	1.220	-4.2	110	0.00
79	tert-butylbenzene	1.246	1.283	-3.0	109	0.00
80	1,2,4-Trimethylbenzene	1.415	1.505	-6.4	111	0.00
81	sec-Butylbenzene	1.709	1.800	-5.3	111	0.00
82	p-Isopropyltoluene	1.459	1.524	-4.5	111	0.00
83 M	1,3-Dichlorobenzene	0.747	0.766	-2.5	110	0.00
84 M	1,4-Dichlorobenzene	0.713	0.736	-3.2	112	0.00
85	n-Butylbenzene	1.272	1.256	1.3	110	0.00
86 T	Hexachloroethane	0.273	0.276	-1.1	112	0.00
87 M	1,2-Dichlorobenzene	0.724	0.749	-3.5	110	0.00
88	1,2-Dibromo-3-Chloropropane	0.060	0.060	0.0	108	0.00
89	1,2,4-Trichlorobenzene	0.368	0.331	10.1	108	0.00
90	Hexachlorobutadiene	0.267	0.249	6.7	99	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.738	0.596	19.2	104	0.00
92	1,2,3-Trichlorobenzene	0.363	0.319	12.1	101	0.00

(#) = Out of Range

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