

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030419\
 Data File : VN054062.D
 Acq On : 4 Mar 2019 13:22
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 04 23:36:56 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	99	0.00
2 M	Dichlorodifluoromethane	1.696	1.736	-2.4	100	0.00
3 M	Chloromethane	2.256	2.322	-2.9	101	0.00
4 M	Vinyl Chloride	2.259	2.293	-1.5	100	0.00
5 M	Bromomethane	1.390	1.401	-0.8	100	0.00
6 M	Chloroethane	1.330	1.349	-1.4	100	0.00
7 M	Trichlorofluoromethane	2.745	2.897	-5.5	103	0.00
8 T	Diethyl Ether	1.032	1.029	0.3	98	0.00
9	1,1,2-Trichlorotrifluoroeth	1.765	1.836	-4.0	103	0.00
10 M	1,1-Dichloroethene	1.654	1.687	-2.0	101	0.00
11	Methyl Iodide	2.453	2.245	8.5	92	0.00
12	Methyl Acetate	1.394	1.454	-4.3	108	0.00
13 M	Acrolein	0.133	0.060	54.9#	41	0.00
14 M	Acrylonitrile	0.670	0.674	-0.6	102	0.00
15 M	Acetone	0.193	0.160	17.1	77	0.00
16 M	Carbon Disulfide	5.365	5.433	-1.3	102	0.00
17	Allyl chloride	2.924	3.037	-3.9	103	0.00
18 M	Methylene Chloride	1.909	1.974	-3.4	100	0.00
19 M	trans-1,2-Dichloroethene	1.794	1.864	-3.9	103	0.00
20 T	Diisopropyl ether	5.850	5.962	-1.9	102	0.00
21 M	1,1-Dichloroethane	3.455	3.598	-4.1	103	0.00
22 M	cis-1,2-Dichloroethene	1.997	2.016	-1.0	100	0.00
23 M	tert-Butyl Alcohol	0.120	0.127	-5.8	110	0.00
24 M	Methyl tert-Butyl Ether	4.477	4.540	-1.4	104	0.00
25 M	Chloroform	3.334	3.463	-3.9	102	0.00
26	Cyclohexane	3.144	3.243	-3.1	104	0.00
27 s	1,2-Dichloroethane-d4	2.107	2.120	-0.6	99	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.470	0.494	-5.1	105	0.00
30 M	2-Butanone	0.148	0.139	6.1	94	0.00
31	2,2-Dichloropropane	0.463	0.442	4.5	95	0.00
32 M	1,1,1-Trichloroethane	0.505	0.520	-3.0	102	0.00
33 M	Carbon Tetrachloride	0.448	0.453	-1.1	99	0.00
34 M	Benzene	1.397	1.447	-3.6	102	0.00
35	Methacrylonitrile	0.166	0.165	0.6	92	0.00
36 M	1,2-Dichloroethane	0.448	0.462	-3.1	100	0.00
37 M	Trichloroethene	0.365	0.378	-3.6	103	0.00
38	Methylcyclohexane	0.555	0.552	0.5	102	0.00
39 M	1,2-Dichloropropane	0.383	0.399	-4.2	102	0.00
40	Dibromomethane	0.219	0.223	-1.8	101	0.00
41 M	Bromodichloromethane	0.465	0.479	-3.0	103	0.00
42 M	Vinyl Acetate	0.767	0.758	1.2	101	0.00
43	Ethyl Acetate	0.311	0.281	9.6	84	0.00
44	Isopropyl Acetate	0.545	0.534	2.0	100	0.00
45 T	1,4-Dioxane	0.003	0.004#	-33.3#	110	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.262	0.255	2.7	103	0.00
47	n-amyl Acetate	0.401	0.384	4.2	105	0.00
48 M	t-1,3-Dichloropropene	0.467	0.441	5.6	99	0.00
49 T	cis-1,3-Dichloropropene	0.548	0.540	1.5	100	0.00
50 M	1,1,2-Trichloroethane	0.308	0.312	-1.3	99	0.00
51	Ethyl methacrylate	0.370	0.348	5.9	99	0.00
52	1,3-Dichloropropane	0.528	0.535	-1.3	100	0.00
53 M	Dibromochloromethane	0.338	0.335	0.9	100	0.00
54 M	1,2-Dibromoethane	0.293	0.293	0.0	100	0.00
55 M	2-Chloroethyl vinyl ether	0.172	0.165	4.1	104	0.00
56 M	Bromoform	0.224	0.216	3.6	98	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.338	0.341	-0.9	99	0.00
59 M	2-Hexanone	0.221	0.212	4.1	95	0.00
60 S	4-Bromofluorobenzene	0.459	0.461	-0.4	98	0.00
61 M	Tetrachloroethene	0.417	0.451	-8.2	99	0.00
62 M	Toluene	1.677	1.771	-5.6	100	0.00
63 S	Toluene-d8	1.443	1.481	-2.6	97	0.00
64 M	Chlorobenzene	1.021	1.050	-2.8	99	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.394	-5.1	102	0.00
66 M	Ethyl Benzene	1.753	1.799	-2.6	99	0.00
67 M	m/p-Xylenes	0.660	0.703	-6.5	101	0.00
68 M	o-Xylene	0.640	0.673	-5.2	101	0.00
69 M	Styrene	1.013	1.049	-3.6	99	0.00
70	Isopropylbenzene	1.679	1.768	-5.3	100	0.00
71 M	1,1,2,2-Tetrachloroethane	0.414	0.419	-1.2	98	0.00
72	1,2,3-Trichloropropane	0.315	0.368	-16.8	112	0.00
73	Bromobenzene	0.423	0.427	-0.9	97	0.00
74	n-propylbenzene	1.999	2.089	-4.5	100	0.00
75	2-Chlorotoluene	1.171	1.230	-5.0	100	0.00
76	1,3,5-Trimethylbenzene	1.422	1.502	-5.6	100	0.00
77	t-1,4-Dichloro-2-butene	0.112	0.100	10.7	95	0.00
78	4-Chlorotoluene	1.171	1.199	-2.4	98	0.00
79	tert-butylbenzene	1.246	1.304	-4.7	100	0.00
80	1,2,4-Trimethylbenzene	1.415	1.499	-5.9	101	0.00
81	sec-Butylbenzene	1.709	1.811	-6.0	101	0.00
82	p-Isopropyltoluene	1.459	1.520	-4.2	100	0.00
83 M	1,3-Dichlorobenzene	0.747	0.763	-2.1	100	0.00
84 M	1,4-Dichlorobenzene	0.713	0.726	-1.8	100	0.00
85	n-Butylbenzene	1.272	1.259	1.0	100	0.00
86 T	Hexachloroethane	0.273	0.272	0.4	100	0.00
87 M	1,2-Dichlorobenzene	0.724	0.742	-2.5	99	0.00
88	1,2-Dibromo-3-Chloropropane	0.060	0.063	-5.0	103	0.00
89	1,2,4-Trichlorobenzene	0.368	0.348	5.4	103	0.00
90	Hexachlorobutadiene	0.267	0.262	1.9	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.738	0.643	12.9	101	0.00
92	1,2,3-Trichlorobenzene	0.363	0.339	6.6	97	0.00

(#) = Out of Range

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