

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055898.D
 Acq On : 30 May 2019 14:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 31 05:05:11 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	90	0.00
2 M	Dichlorodifluoromethane	1.315	1.240	5.7	86	0.00
3 M	Chloromethane	1.871	1.782	4.8	84	0.00
4 M	Vinyl Chloride	1.910	1.848	3.2	86	0.00
5 M	Bromomethane	1.118	1.295	-15.8	97	-0.02
6 M	Chloroethane	1.116	1.166	-4.5	92	0.00
7 M	Trichlorofluoromethane	2.396	2.411	-0.6	91	0.00
8 T	Diethyl Ether	1.053	1.098	-4.3	94	0.00
9	1,1,2-Trichlorotrifluoroeth	1.514	1.530	-1.1	91	0.00
10 M	1,1-Dichloroethene	1.583	1.536	3.0	87	0.00
11	Methyl Iodide	2.259	2.251	0.4	91	0.00
12	Methyl Acetate	1.937	1.935	0.1	91	0.00
13 M	Acrolein	0.269	0.248	7.8	87	0.00
14 M	Acrylonitrile	0.883	0.869	1.6	87	0.00
15 M	Acetone	0.274	0.301	-9.9	94	0.00
16 M	Carbon Disulfide	4.540	3.756	17.3	74	0.00
17	Allyl chloride	2.852	2.564	10.1	81	0.00
18 M	Methylene Chloride	1.814	1.800	0.8	89	0.00
19 M	trans-1,2-Dichloroethene	1.703	1.650	3.1	86	0.00
20 T	Diisopropyl ether	5.532	5.253	5.0	86	0.00
21 M	1,1-Dichloroethane	3.127	3.029	3.1	86	0.00
22 M	cis-1,2-Dichloroethene	1.987	1.960	1.4	89	0.00
23 M	tert-Butyl Alcohol	0.388	0.341	12.1	78	0.00
24 M	Methyl tert-Butyl Ether	5.373	5.206	3.1	87	0.00
25 M	Chloroform	3.088	3.032	1.8	88	0.00
26	Cyclohexane	2.885	2.740	5.0	86	0.00
27 s	1,2-Dichloroethane-d4	1.961	1.992	-1.6	92	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
29	1,1-Dichloropropene	0.420	0.415	1.2	87	0.00
30 M	2-Butanone	0.224	0.231	-3.1	89	0.00
31	2,2-Dichloropropane	0.489	0.456	6.7	80	0.00
32 M	1,1,1-Trichloroethane	0.498	0.480	3.6	84	0.00
33 M	Carbon Tetrachloride	0.445	0.404	9.2	79	0.00
34 M	Benzene	1.297	1.320	-1.8	90	0.00
35	Methacrylonitrile	0.207	0.200	3.4	87	0.00
36 M	1,2-Dichloroethane	0.424	0.433	-2.1	90	0.00
37 M	Trichloroethene	0.362	0.367	-1.4	89	0.00
38	Methylcyclohexane	0.532	0.517	2.8	87	0.00
39 M	1,2-Dichloropropane	0.349	0.345	1.1	87	0.00
40	Dibromomethane	0.225	0.231	-2.7	92	0.00
41 M	Bromodichloromethane	0.461	0.423	8.2	81	0.00
42 M	Vinyl Acetate	0.869	0.830	4.5	83	0.00
43	Ethyl Acetate	0.440	0.433	1.6	85	0.00
44	Isopropyl Acetate	0.729	0.686	5.9	83	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	91	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.340	0.326	4.1	84	0.00
47	n-amyl Acetate	0.603	0.562	6.8	82	0.00
48 M	t-1,3-Dichloropropene	0.509	0.440	13.6	77	0.00
49 T	cis-1,3-Dichloropropene	0.557	0.508	8.8	81	0.00
50 M	1,1,2-Trichloroethane	0.328	0.331	-0.9	89	0.00
51	Ethyl methacrylate	0.528	0.501	5.1	84	0.00
52	1,3-Dichloropropane	0.540	0.545	-0.9	88	0.00
53 M	Dibromochloromethane	0.387	0.336	13.2	78	0.00
54 M	1,2-Dibromoethane	0.339	0.342	-0.9	89	0.00
55 M	2-Chloroethyl vinyl ether	0.205	0.185	9.8	81	0.00
56 M	Bromoform	0.318	0.232	27.0	65	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.497	0.490	1.4	86	0.00
59 M	2-Hexanone	0.355	0.352	0.8	87	0.00
60 S	4-Bromofluorobenzene	0.467	0.454	2.8	89	0.00
61 M	Tetrachloroethene	0.406	0.406	0.0	86	0.00
62 M	Toluene	1.613	1.646	-2.0	90	0.00
63 S	Toluene-d8	1.371	1.380	-0.7	89	0.00
64 M	Chlorobenzene	0.979	0.989	-1.0	90	0.00
65	1,1,1,2-Tetrachloroethane	0.394	0.362	8.1	81	0.00
66 M	Ethyl Benzene	1.763	1.762	0.1	88	0.00
67 M	m/p-Xylenes	0.670	0.671	-0.1	88	0.00
68 M	o-Xylene	0.663	0.666	-0.5	88	0.00
69 M	Styrene	1.093	1.067	2.4	88	0.00
70	Isopropylbenzene	1.734	1.766	-1.8	90	0.00
71 M	1,1,2,2-Tetrachloroethane	0.534	0.528	1.1	86	0.00
72	1,2,3-Trichloropropane	0.459	0.470	-2.4	87	0.00
73	Bromobenzene	0.459	0.444	3.3	87	0.00
74	n-propylbenzene	1.870	1.849	1.1	88	0.00
75	2-Chlorotoluene	1.142	1.170	-2.5	90	0.00
76	1,3,5-Trimethylbenzene	1.433	1.444	-0.8	88	0.00
77	t-1,4-Dichloro-2-butene	0.182	0.131	28.0	66	0.00
78	4-Chlorotoluene	1.082	1.055	2.5	88	0.00
79	tert-butylbenzene	1.260	1.293	-2.6	89	0.00
80	1,2,4-Trimethylbenzene	1.423	1.401	1.5	87	0.00
81	sec-Butylbenzene	1.601	1.642	-2.6	90	0.00
82	p-Isopropyltoluene	1.473	1.464	0.6	88	0.00
83 M	1,3-Dichlorobenzene	0.719	0.688	4.3	87	0.00
84 M	1,4-Dichlorobenzene	0.685	0.637	7.0	86	0.00
85	n-Butylbenzene	1.146	1.059	7.6	87	0.00
86 T	Hexachloroethane	0.290	0.231	20.3	70	0.00
87 M	1,2-Dichlorobenzene	0.724	0.702	3.0	87	0.00
88	1,2-Dibromo-3-Chloropropane	0.101	0.083	17.8	73	0.00
89	1,2,4-Trichlorobenzene	0.391	0.286	26.9	76	0.00
90	Hexachlorobutadiene	0.292	0.249	14.7	75	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.068	0.856	19.9	81	0.00
92	1,2,3-Trichlorobenzene	0.408	0.334	18.1	79	0.00

(#) = Out of Range

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