

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN061219\
 Data File : VN056243.D
 Acq On : 12 Jun 2019 12:25
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jun 13 05:04:38 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	86	0.00
2 M	Dichlorodifluoromethane	1.687	1.662	1.5	80	0.00
3 M	Chloromethane	1.971	1.908	3.2	83	0.00
4 M	Vinyl Chloride	2.010	1.800	10.4	75	0.00
5 M	Bromomethane	1.263	1.276	-1.0	82	0.00
6 M	Chloroethane	1.137	1.059	6.9	76	0.00
7 M	Trichlorofluoromethane	2.487	2.312	7.0	78	0.00
8 T	Diethyl Ether	1.055	0.974	7.7	79	0.00
9	1,1,2-Trichlorotrifluoroeth	1.535	1.468	4.4	81	0.00
10 M	1,1-Dichloroethene	1.566	1.401	10.5	77	0.00
11	Methyl Iodide	2.471	2.178	11.9	78	0.00
12	Methyl Acetate	1.882	1.802	4.3	83	0.00
13 M	Acrolein	0.092	0.094	-2.2	92	0.00
14 M	Acrylonitrile	0.839	0.833	0.7	86	0.00
15 M	Acetone	0.275	0.246	10.5	72	0.00
16 M	Carbon Disulfide	3.726	3.375	9.4	83	0.00
17	Allyl chloride	2.426	2.208	9.0	80	0.00
18 M	Methylene Chloride	1.813	1.798	0.8	86	0.00
19 M	trans-1,2-Dichloroethene	1.672	1.536	8.1	78	0.00
20 T	Diisopropyl ether	5.027	4.871	3.1	83	0.00
21 M	1,1-Dichloroethane	2.921	2.787	4.6	82	0.00
22 M	cis-1,2-Dichloroethene	1.951	1.856	4.9	81	0.00
23 M	tert-Butyl Alcohol	0.327	0.250	23.5	68	0.00
24 M	Methyl tert-Butyl Ether	4.991	4.762	4.6	82	0.00
25 M	Chloroform	2.917	2.878	1.3	84	0.00
26	Cyclohexane	2.710	2.388	11.9	76	0.00
27 s	1,2-Dichloroethane-d4	1.863	1.878	-0.8	86	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
29	1,1-Dichloropropene	0.406	0.414	-2.0	78	0.00
30 M	2-Butanone	0.214	0.227	-6.1	80	0.00
31	2,2-Dichloropropane	0.378	0.350	7.4	71	0.00
32 M	1,1,1-Trichloroethane	0.448	0.469	-4.7	80	0.00
33 M	Carbon Tetrachloride	0.380	0.403	-6.1	83	0.00
34 M	Benzene	1.293	1.348	-4.3	79	0.00
35	Methacrylonitrile	0.180	0.201	-11.7	76	0.00
36 M	1,2-Dichloroethane	0.405	0.464	-14.6	88	0.00
37 M	Trichloroethene	0.362	0.382	-5.5	80	0.00
38	Methylcyclohexane	0.514	0.509	1.0	78	0.00
39 M	1,2-Dichloropropane	0.331	0.360	-8.8	82	0.00
40	Dibromomethane	0.220	0.248	-12.7	86	0.00
41 M	Bromodichloromethane	0.393	0.449	-14.2	90	0.00
42 M	Vinyl Acetate	0.762	0.828	-8.7	83	0.00
43	Ethyl Acetate	0.409	0.427	-4.4	79	0.00
44	Isopropyl Acetate	0.635	0.656	-3.3	82	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	80	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.315	0.319	-1.3	83	0.00
47	n-amyl Acetate	0.525	0.516	1.7	79	0.00
48 M	t-1,3-Dichloropropene	0.414	0.413	0.2	82	0.00
49 T	cis-1,3-Dichloropropene	0.484	0.497	-2.7	81	0.00
50 M	1,1,2-Trichloroethane	0.326	0.362	-11.0	85	0.00
51	Ethyl methacrylate	0.493	0.500	-1.4	81	0.00
52	1,3-Dichloropropane	0.529	0.587	-11.0	84	0.00
53 M	Dibromochloromethane	0.319	0.370	-16.0	96	0.00
54 M	1,2-Dibromoethane	0.340	0.372	-9.4	85	0.00
55 M	2-Chloroethyl vinyl ether	0.173	0.161	6.9	76	0.00
56 M	Bromoform	0.231	0.266	-15.2	101	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
58 M	4-Methyl-2-Pentanone	0.454	0.482	-6.2	85	0.00
59 M	2-Hexanone	0.325	0.336	-3.4	83	0.00
60 S	4-Bromofluorobenzene	0.445	0.427	4.0	79	0.00
61 M	Tetrachloroethene	0.418	0.441	-5.5	83	0.00
62 M	Toluene	1.620	1.614	0.4	80	0.00
63 S	Toluene-d8	1.361	1.363	-0.1	79	0.00
64 M	Chlorobenzene	0.982	1.003	-2.1	83	0.00
65	1,1,1,2-Tetrachloroethane	0.354	0.377	-6.5	87	0.00
66 M	Ethyl Benzene	1.725	1.676	2.8	78	0.00
67 M	m/p-Xylenes	0.660	0.651	1.4	79	0.00
68 M	o-Xylene	0.646	0.649	-0.5	80	0.00
69 M	Styrene	1.050	1.020	2.9	80	0.00
70	Isopropylbenzene	1.689	1.685	0.2	80	0.00
71 M	1,1,2,2-Tetrachloroethane	0.509	0.552	-8.4	86	0.00
72	1,2,3-Trichloropropane	0.441	0.464	-5.2	85	0.00
73	Bromobenzene	0.448	0.462	-3.1	85	0.00
74	n-propylbenzene	1.782	1.720	3.5	80	0.00
75	2-Chlorotoluene	1.105	1.106	-0.1	82	0.00
76	1,3,5-Trimethylbenzene	1.389	1.378	0.8	80	0.00
77	t-1,4-Dichloro-2-butene	0.126	0.101	19.8	76	0.00
78	4-Chlorotoluene	1.032	1.000	3.1	82	0.00
79	tert-butylbenzene	1.231	1.224	0.6	81	0.00
80	1,2,4-Trimethylbenzene	1.351	1.319	2.4	80	0.00
81	sec-Butylbenzene	1.557	1.540	1.1	81	0.00
82	p-Isopropyltoluene	1.408	1.368	2.8	81	0.00
83 M	1,3-Dichlorobenzene	0.699	0.661	5.4	81	0.00
84 M	1,4-Dichlorobenzene	0.665	0.612	8.0	82	0.00
85	n-Butylbenzene	1.051	0.884	15.9	76	0.00
86 T	Hexachloroethane	0.219	0.228	-4.1	90	0.00
87 M	1,2-Dichlorobenzene	0.710	0.694	2.3	83	0.00
88	1,2-Dibromo-3-Chloropropane	0.080	0.076	5.0	86	0.00
89	1,2,4-Trichlorobenzene	0.346	0.243	29.8	72	0.00
90	Hexachlorobutadiene	0.259	0.287	-10.8	92	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.943	0.619	34.4#	67	0.00
92	1,2,3-Trichlorobenzene	0.372	0.299	19.6	77	0.00

(#) = Out of Range

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