

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN051420\
 Data File : VN061408.D
 Acq On : 14 May 2020 21:34
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 15 07:47:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 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	95	0.00
2 M	Dichlorodifluoromethane	1.366	1.273	6.8	93	0.00
3 M	Chloromethane	2.497	2.644	-5.9	98	0.00
4 M	Vinyl Chloride	3.348	3.677	-9.8	101	0.00
5 M	Bromomethane	1.700	1.912	-12.5	105	0.00
6 M	Chloroethane	2.265	2.471	-9.1	100	0.00
7 M	Trichlorofluoromethane	3.583	3.030	15.4	79	0.00
8 T	Diethyl Ether	1.140	1.160	-1.8	99	0.00
9	1,1,2-Trichlorotrifluoroeth	1.531	1.575	-2.9	97	0.00
10 M	1,1-Dichloroethene	1.611	1.632	-1.3	98	0.00
11	Methyl Iodide	1.744	1.798	-3.1	103	0.00
12	Methyl Acetate	1.957	2.099	-7.3	103	0.00
13 M	Acrolein	0.330	0.303	8.2	92	0.00
14 M	Acrylonitrile	0.919	0.959	-4.4	98	0.00
15 M	Acetone	0.221	0.209	5.4	88	0.00
16 M	Carbon Disulfide	4.530	4.975	-9.8	95	0.00
17	Allyl chloride	3.244	3.304	-1.8	96	0.00
18 M	Methylene Chloride	1.945	1.971	-1.3	101	0.00
19 M	trans-1,2-Dichloroethene	1.918	1.884	1.8	97	0.00
20 T	Diisopropyl ether	7.551	7.644	-1.2	96	0.00
21 M	1,1-Dichloroethane	3.943	4.042	-2.5	97	0.00
22 M	cis-1,2-Dichloroethene	2.249	2.224	1.1	95	0.00
23 M	tert-Butyl Alcohol	0.294	0.299	-1.7	93	0.00
24 M	Methyl tert-Butyl Ether	6.540	6.713	-2.6	99	0.00
25 M	Chloroform	3.822	3.864	-1.1	97	0.00
26	Cyclohexane	3.765	3.829	-1.7	96	0.00
27 s	1,2-Dichloroethane-d4	2.687	2.867	-6.7	100	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29	1,1-Dichloropropene	0.526	0.502	4.6	95	0.00
30 M	2-Butanone	0.223	0.218	2.2	96	0.00
31	2,2-Dichloropropane	0.615	0.556	9.6	92	0.00
32 M	1,1,1-Trichloroethane	0.589	0.573	2.7	99	0.00
33 M	Carbon Tetrachloride	0.452	0.420	7.1	97	0.00
34 M	Benzene	1.489	1.434	3.7	96	0.00
35	Methacrylonitrile	0.223	0.211	5.4	76	0.00
36 M	1,2-Dichloroethane	0.572	0.565	1.2	98	0.00
37 M	Trichloroethene	0.367	0.359	2.2	100	0.00
38	Methylcyclohexane	0.632	0.588	7.0	93	0.00
39 M	1,2-Dichloropropane	0.409	0.396	3.2	95	0.00
40	Dibromomethane	0.253	0.249	1.6	101	0.00
41 M	Bromodichloromethane	0.549	0.525	4.4	96	0.00
42 M	Vinyl Acetate	1.058	1.037	2.0	98	0.00
43	Ethyl Acetate	0.476	0.473	0.6	92	0.00
44	Isopropyl Acetate	0.924	0.909	1.6	97	0.00
45 T	1,4-Dioxane	0.004	0.004#	0.0	106	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.434	0.427	1.6	97	0.00
47	n-amyl Acetate	0.824	0.804	2.4	98	0.00
48 M	t-1,3-Dichloropropene	0.647	0.610	5.7	95	0.00
49 T	cis-1,3-Dichloropropene	0.685	0.638	6.9	95	0.00
50 M	1,1,2-Trichloroethane	0.350	0.342	2.3	100	0.00
51	Ethyl methacrylate	0.602	0.582	3.3	98	0.00
52	1,3-Dichloropropane	0.639	0.628	1.7	97	0.00
53 M	Dibromochloromethane	0.383	0.355	7.3	95	0.00
54 M	1,2-Dibromoethane	0.361	0.343	5.0	97	0.00
55 M	2-Chloroethyl vinyl ether	0.267	0.264	1.1	101	0.00
56 M	Bromoform	0.241	0.219	9.1	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.547	0.564	-3.1	99	0.00
59 M	2-Hexanone	0.387	0.397	-2.6	99	0.00
60 S	4-Bromofluorobenzene	0.512	0.503	1.8	97	0.00
61 M	Tetrachloroethene	0.375	0.360	4.0	95	0.00
62 M	Toluene	1.739	1.695	2.5	96	0.00
63 S	Toluene-d8	1.389	1.398	-0.6	96	0.00
64 M	Chlorobenzene	1.030	1.004	2.5	97	0.00
65	1,1,1,2-Tetrachloroethane	0.376	0.361	4.0	95	0.00
66 M	Ethyl Benzene	1.996	1.957	2.0	98	0.00
67 M	m/p-Xylenes	0.737	0.713	3.3	97	0.00
68 M	o-Xylene	0.704	0.693	1.6	98	0.00
69 M	Styrene	1.211	1.145	5.5	97	0.00
70	Isopropylbenzene	1.906	1.827	4.1	96	0.00
71 M	1,1,2,2-Tetrachloroethane	0.527	0.517	1.9	96	0.00
72	1,2,3-Trichloropropane	0.502	0.490	2.4	92	0.00
73	Bromobenzene	0.396	0.371	6.3	96	0.00
74	n-propylbenzene	2.267	2.161	4.7	96	0.00
75	2-Chlorotoluene	1.300	1.251	3.8	96	0.00
76	1,3,5-Trimethylbenzene	1.600	1.519	5.1	96	0.00
77	t-1,4-Dichloro-2-butene	0.209	0.188	10.0	92	0.00
78	4-Chlorotoluene	1.361	1.292	5.1	96	0.00
79	tert-butylbenzene	1.329	1.275	4.1	96	0.00
80	1,2,4-Trimethylbenzene	1.597	1.531	4.1	98	0.00
81	sec-Butylbenzene	1.831	1.773	3.2	97	0.00
82	p-Isopropyltoluene	1.649	1.559	5.5	96	0.00
83 M	1,3-Dichlorobenzene	0.736	0.683	7.2	97	0.00
84 M	1,4-Dichlorobenzene	0.728	0.677	7.0	95	0.00
85	n-Butylbenzene	1.526	1.413	7.4	94	0.00
86 T	Hexachloroethane	0.230	0.210	8.7	96	0.00
87 M	1,2-Dichlorobenzene	0.698	0.654	6.3	94	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.111	0.9	94	0.00
89	1,2,4-Trichlorobenzene	0.401	0.374	6.7	94	0.00
90	Hexachlorobutadiene	0.163	0.151	7.4	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.261	1.206	4.4	98	0.00
92	1,2,3-Trichlorobenzene	0.390	0.363	6.9	95	0.00

(#) = Out of Range

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