

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN071620\
 Data File : VN062542.D
 Acq On : 16 Jul 2020 12:18
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 16 18:43:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 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	94	0.00
2 M	Dichlorodifluoromethane	1.771	2.003	-13.1	107	0.00
3 M	Chloromethane	2.557	2.674	-4.6	101	0.00
4 M	Vinyl Chloride	2.235	2.404	-7.6	103	0.00
5 M	Bromomethane	1.109	1.278	-15.2	117	0.00
6 M	Chloroethane	1.100	1.202	-9.3	102	0.00
7 M	Trichlorofluoromethane	2.619	2.838	-8.4	100	0.00
8 T	Diethyl Ether	1.259	1.335	-6.0	100	0.00
9	1,1,2-Trichlorotrifluoroeth	1.693	1.911	-12.9	107	0.00
10 M	1,1-Dichloroethene	1.728	1.849	-7.0	102	0.00
11	Methyl Iodide	2.116	2.350	-11.1	109	0.00
12	Methyl Acetate	2.317	2.405	-3.8	100	0.00
13 M	Acrolein	0.346	0.359	-3.8	96	0.00
14 M	Acrylonitrile	1.078	1.120	-3.9	100	0.00
15 M	Acetone	0.331	0.367	-10.9	90	0.00
16 M	Carbon Disulfide	5.630	5.861	-4.1	101	0.00
17	Allyl chloride	3.674	4.012	-9.2	100	0.00
18 M	Methylene Chloride	2.126	2.302	-8.3	102	0.00
19 M	trans-1,2-Dichloroethene	1.912	2.041	-6.7	103	0.00
20 T	Diisopropyl ether	7.553	8.243	-9.1	103	0.00
21 M	1,1-Dichloroethane	3.993	4.342	-8.7	103	0.00
22 M	cis-1,2-Dichloroethene	2.156	2.337	-8.4	103	0.00
23 M	tert-Butyl Alcohol	0.361	0.389	-7.8	101	0.00
24 M	Methyl tert-Butyl Ether	6.369	6.718	-5.5	101	0.00
25 M	Chloroform	3.662	4.077	-11.3	106	0.00
26	Cyclohexane	3.520	3.746	-6.4	102	0.00
27 s	1,2-Dichloroethane-d4	2.577	2.553	0.9	93	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
29	1,1-Dichloropropene	0.509	0.558	-9.6	103	0.00
30 M	2-Butanone	0.270	0.296	-9.6	95	0.00
31	2,2-Dichloropropane	0.574	0.647	-12.7	103	0.00
32 M	1,1,1-Trichloroethane	0.547	0.615	-12.4	104	0.00
33 M	Carbon Tetrachloride	0.474	0.534	-12.7	105	0.00
34 M	Benzene	1.512	1.696	-12.2	104	0.00
35	Methacrylonitrile	0.237	0.224	5.5	84	0.00
36 M	1,2-Dichloroethane	0.543	0.615	-13.3	106	0.00
37 M	Trichloroethene	0.340	0.380	-11.8	104	0.00
38	Methylcyclohexane	0.571	0.617	-8.1	103	0.00
39 M	1,2-Dichloropropane	0.431	0.480	-11.4	103	0.00
40	Dibromomethane	0.248	0.283	-14.1	105	0.00
41 M	Bromodichloromethane	0.526	0.593	-12.7	104	0.00
42 M	Vinyl Acetate	1.121	1.236	-10.3	100	0.00
43	Ethyl Acetate	0.543	0.594	-9.4	101	0.00
44	Isopropyl Acetate	0.910	0.975	-7.1	100	0.00
45 T	1,4-Dioxane	0.006	0.007#	-16.7	100	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.432	0.480	-11.1	103	0.00
47	n-amyl Acetate	0.767	0.805	-5.0	101	0.00
48 M	t-1,3-Dichloropropene	0.614	0.666	-8.5	103	0.00
49 T	cis-1,3-Dichloropropene	0.663	0.723	-9.0	103	0.00
50 M	1,1,2-Trichloroethane	0.348	0.395	-13.5	104	0.00
51	Ethyl methacrylate	0.586	0.615	-4.9	99	0.00
52	1,3-Dichloropropane	0.639	0.714	-11.7	103	0.00
53 M	Dibromochloromethane	0.379	0.428	-12.9	104	0.00
54 M	1,2-Dibromoethane	0.356	0.386	-8.4	103	0.00
55 M	2-Chloroethyl vinyl ether	0.187	0.095	49.2#	49	0.00
56 M	Bromoform	0.259	0.287	-10.8	104	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	0.584	0.637	-9.1	99	0.00
59 M	2-Hexanone	0.429	0.472	-10.0	100	0.00
60 S	4-Bromofluorobenzene	0.511	0.516	-1.0	97	0.00
61 M	Tetrachloroethene	0.307	0.355	-15.6	107	0.00
62 M	Toluene	1.702	1.912	-12.3	103	0.00
63 S	Toluene-d8	1.418	1.434	-1.1	93	0.00
64 M	Chlorobenzene	1.000	1.121	-12.1	107	0.00
65	1,1,1,2-Tetrachloroethane	0.370	0.414	-11.9	105	0.00
66 M	Ethyl Benzene	1.885	2.068	-9.7	104	0.00
67 M	m/p-Xylenes	0.684	0.757	-10.7	106	0.00
68 M	o-Xylene	0.656	0.709	-8.1	102	0.00
69 M	Styrene	1.114	1.231	-10.5	106	0.00
70	Isopropylbenzene	1.762	1.959	-11.2	105	0.00
71 M	1,1,2,2-Tetrachloroethane	0.570	0.637	-11.8	105	0.00
72	1,2,3-Trichloropropane	0.554	0.556	-0.4	94	0.00
73	Bromobenzene	0.408	0.459	-12.5	108	0.00
74	n-propylbenzene	2.095	2.320	-10.7	107	0.00
75	2-Chlorotoluene	1.261	1.393	-10.5	106	0.00
76	1,3,5-Trimethylbenzene	1.502	1.675	-11.5	108	0.00
77	t-1,4-Dichloro-2-butene	0.207	0.208	-0.5	98	0.00
78	4-Chlorotoluene	1.287	1.413	-9.8	106	0.00
79	tert-butylbenzene	1.243	1.355	-9.0	104	0.00
80	1,2,4-Trimethylbenzene	1.477	1.620	-9.7	105	0.00
81	sec-Butylbenzene	1.670	1.850	-10.8	108	0.00
82	p-Isopropyltoluene	1.474	1.613	-9.4	107	0.00
83 M	1,3-Dichlorobenzene	0.709	0.794	-12.0	109	0.00
84 M	1,4-Dichlorobenzene	0.699	0.784	-12.2	112	0.00
85	n-Butylbenzene	1.264	1.343	-6.2	111	0.00
86 T	Hexachloroethane	0.284	0.314	-10.6	108	0.00
87 M	1,2-Dichlorobenzene	0.682	0.771	-13.0	109	0.00
88	1,2-Dibromo-3-Chloropropane	0.108	0.116	-7.4	101	0.00
89	1,2,4-Trichlorobenzene	0.339	0.351	-3.5	108	0.00
90	Hexachlorobutadiene	0.188	0.220	-17.0	115	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.920	0.891	3.2	102	0.00
92	1,2,3-Trichlorobenzene	0.342	0.366	-7.0	109	0.00

(#) = Out of Range

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