

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN081420\
 Data File : VN062940.D
 Acq On : 14 Aug 2020 17:14
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Aug 14 17:41:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	105	0.00
2 M	Dichlorodifluoromethane	2.572	2.706	-5.2	103	0.00
3 M	Chloromethane	2.228	1.938	13.0	98	0.00
4 M	Vinyl Chloride	2.354	2.620	-11.3	133	0.00
5 M	Bromomethane	2.030	1.960	3.4	101	0.00
6 M	Chloroethane	2.041	1.987	2.6	99	0.00
7 M	Trichlorofluoromethane	4.589	4.625	-0.8	95	0.00
8 T	Diethyl Ether	1.004	0.913	9.1	99	0.00
9	1,1,2-Trichlorotrifluoroeth	1.510	1.518	-0.5	108	0.00
10 M	1,1-Dichloroethene	1.384	1.303	5.9	103	0.00
11	Methyl Iodide	1.922	1.410	26.6	82	0.00
12	Methyl Acetate	2.096	1.850	11.7	96	0.00
13 M	Acrolein	0.268	0.192	28.4	87	0.00
14 M	Acrylonitrile	0.915	0.819	10.5	100	0.00
15 M	Acetone	0.244	0.261	-7.0	112	0.00
16 M	Carbon Disulfide	3.948	3.481	11.8	102	0.00
17	Allyl chloride	2.384	2.119	11.1	102	0.00
18 M	Methylene Chloride	1.791	1.670	6.8	102	0.00
19 M	trans-1,2-Dichloroethene	1.546	1.423	8.0	104	0.00
20 T	Diisopropyl ether	5.582	5.160	7.6	99	0.00
21 M	1,1-Dichloroethane	3.267	3.006	8.0	97	0.00
22 M	cis-1,2-Dichloroethene	1.848	1.700	8.0	100	0.00
23 M	tert-Butyl Alcohol	0.392	0.339	13.5	93	0.00
24 M	Methyl tert-Butyl Ether	6.015	5.467	9.1	99	0.00
25 M	Chloroform	3.545	3.279	7.5	99	0.00
26	Cyclohexane	2.766	2.567	7.2	104	0.00
27 s	1,2-Dichloroethane-d4	2.680	2.639	1.5	101	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
29	1,1-Dichloropropene	0.443	0.401	9.5	100	0.00
30 M	2-Butanone	0.228	0.210	7.9	103	0.00
31	2,2-Dichloropropane	0.441	0.553	-25.4	135	0.00
32 M	1,1,1-Trichloroethane	0.606	0.564	6.9	102	0.00
33 M	Carbon Tetrachloride	0.538	0.504	6.3	102	0.00
34 M	Benzene	1.330	1.214	8.7	101	0.00
35	Methacrylonitrile	0.203	0.128	36.9#	80	0.00
36 M	1,2-Dichloroethane	0.578	0.520	10.0	98	0.00
37 M	Trichloroethene	0.330	0.308	6.7	102	0.00
38	Methylcyclohexane	0.529	0.494	6.6	106	0.00
39 M	1,2-Dichloropropane	0.363	0.323	11.0	98	0.00
40	Dibromomethane	0.246	0.223	9.3	98	0.00
41 M	Bromodichloromethane	0.552	0.508	8.0	100	0.00
42 M	Vinyl Acetate	0.772	0.666	13.7	101	0.00
43	Ethyl Acetate	0.449	0.411	8.5	104	0.00
44	Isopropyl Acetate	0.733	0.637	13.1	101	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	95	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.366	0.305	16.7	97	0.00
47	n-amyl Acetate	0.654	0.703	-7.5	126	0.00
48 M	t-1,3-Dichloropropene	0.577	0.548	5.0	106	0.00
49 T	cis-1,3-Dichloropropene	0.580	0.553	4.7	108	0.00
50 M	1,1,2-Trichloroethane	0.354	0.341	3.7	105	0.00
51	Ethyl methacrylate	0.538	0.483	10.2	105	0.00
52	1,3-Dichloropropane	0.611	0.571	6.5	102	0.00
53 M	Dibromochloromethane	0.423	0.401	5.2	104	0.00
54 M	1,2-Dibromoethane	0.362	0.370	-2.2	116	0.00
55 M	2-Chloroethyl vinyl ether	0.130	0.113	13.1	113	0.00
56 M	Bromoform	0.300	0.340	-13.3	127	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	118	0.00
58 M	4-Methyl-2-Pentanone	0.522	0.434	16.9	102	0.00
59 M	2-Hexanone	0.381	0.355	6.8	115	0.00
60 S	4-Bromofluorobenzene	0.528	0.549	-4.0	130	0.00
61 M	Tetrachloroethene	0.310	0.280	9.7	112	0.00
62 M	Toluene	1.582	1.339	15.4	103	0.00
63 S	Toluene-d8	1.403	1.306	6.9	110	0.00
64 M	Chlorobenzene	0.992	0.906	8.7	113	0.00
65	1,1,1,2-Tetrachloroethane	0.410	0.373	9.0	109	0.00
66 M	Ethyl Benzene	1.761	1.603	9.0	115	0.00
67 M	m/p-Xylenes	0.652	0.607	6.9	113	0.00
68 M	o-Xylene	0.626	0.633	-1.1	127	0.00
69 M	Styrene	1.111	1.124	-1.2	125	0.00
70	Isopropylbenzene	1.781	1.737	2.5	122	0.00
71 M	1,1,2,2-Tetrachloroethane	0.586	0.535	8.7	112	0.00
72	1,2,3-Trichloropropane	0.580	0.489	15.7	98	0.00
73	Bromobenzene	0.437	0.398	8.9	114	0.00
74	n-propylbenzene	2.055	1.869	9.1	116	0.00
75	2-Chlorotoluene	1.290	1.135	12.0	109	0.00
76	1,3,5-Trimethylbenzene	1.583	1.398	11.7	112	0.00
77	t-1,4-Dichloro-2-butene	0.187	0.200	-7.0	141	0.00
78	4-Chlorotoluene	1.312	1.166	11.1	113	0.00
79	tert-butylbenzene	1.308	1.189	9.1	115	0.00
80	1,2,4-Trimethylbenzene	1.547	1.349	12.8	111	0.00
81	sec-Butylbenzene	1.727	1.527	11.6	114	0.00
82	p-Isopropyltoluene	1.544	1.396	9.6	118	0.00
83 M	1,3-Dichlorobenzene	0.765	0.702	8.2	117	0.00
84 M	1,4-Dichlorobenzene	0.751	0.745	0.8	130	0.00
85	n-Butylbenzene	1.316	1.282	2.6	145	0.00
86 T	Hexachloroethane	0.334	0.310	7.2	124	0.00
87 M	1,2-Dichlorobenzene	0.790	0.784	0.8	133	0.00
88	1,2-Dibromo-3-Chloropropane	0.138	0.119	13.8	130	0.00
89	1,2,4-Trichlorobenzene	0.364	0.292	19.8	123	0.00
90	Hexachlorobutadiene	0.243	0.247	-1.6	136	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.985	0.697	29.2	118	0.00
92	1,2,3-Trichlorobenzene	0.364	0.281	22.8	117	0.00

(#) = Out of Range

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