

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN110920\
 Data File : VN064515.D
 Acq On : 9 Nov 2020 18:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 10 04:02:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 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	98	0.00
2 M	Dichlorodifluoromethane	2.009	2.056	-2.3	105	0.00
3 M	Chloromethane	2.293	2.337	-1.9	108	0.00
4 M	Vinyl Chloride	2.484	2.547	-2.5	110	0.00
5 M	Bromomethane	1.626	1.594	2.0	102	0.00
6 M	Chloroethane	1.551	1.583	-2.1	107	0.00
7 M	Trichlorofluoromethane	3.597	3.744	-4.1	108	0.00
8 T	Diethyl Ether	1.285	1.300	-1.2	106	0.00
9	1,1,2-Trichlorotrifluoroeth	1.693	1.677	0.9	101	0.00
10 M	1,1-Dichloroethene	1.620	1.601	1.2	107	0.00
11	Methyl Iodide	1.997	1.966	1.6	112	0.00
12	Methyl Acetate	1.975	2.068	-4.7	111	0.00
13 M	Acrolein	0.200	0.259	-29.5	158#	0.00
14 M	Acrylonitrile	0.878	0.830	5.5	107	0.00
15 M	Acetone	0.290	0.234	19.3	74	0.00
16 M	Carbon Disulfide	4.915	4.838	1.6	105	0.00
17	Allyl chloride	3.043	3.070	-0.9	110	0.00
18 M	Methylene Chloride	1.923	1.956	-1.7	108	0.00
19 M	trans-1,2-Dichloroethene	1.836	1.831	0.3	109	0.00
20 T	Diisopropyl ether	6.625	6.534	1.4	109	0.00
21 M	1,1-Dichloroethane	3.643	3.718	-2.1	110	0.00
22 M	cis-1,2-Dichloroethene	2.080	2.119	-1.9	115	0.00
23 M	tert-Butyl Alcohol	0.301	0.282	6.3	99	0.00
24 M	Methyl tert-Butyl Ether	5.728	5.716	0.2	111	0.00
25 M	Chloroform	3.829	3.890	-1.6	106	0.00
26	Cyclohexane	2.813	2.706	3.8	106	0.00
27 s	1,2-Dichloroethane-d4	2.656	2.739	-3.1	99	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.521	0.505	3.1	105	0.00
30 M	2-Butanone	0.258	0.220	14.7	89	0.00
31	2,2-Dichloropropane	0.618	0.588	4.9	102	0.00
32 M	1,1,1-Trichloroethane	0.639	0.638	0.2	108	0.00
33 M	Carbon Tetrachloride	0.570	0.571	-0.2	108	0.00
34 M	Benzene	1.507	1.496	0.7	109	0.00
35	Methacrylonitrile	0.241	0.227	5.8	115	0.00
36 M	1,2-Dichloroethane	0.619	0.614	0.8	105	0.00
37 M	Trichloroethene	0.381	0.378	0.8	111	0.00
38	Methylcyclohexane	0.471	0.431	8.5	103	0.00
39 M	1,2-Dichloropropane	0.405	0.399	1.5	107	0.00
40	Dibromomethane	0.273	0.277	-1.5	109	0.00
41 M	Bromodichloromethane	0.592	0.579	2.2	105	0.00
42 M	Vinyl Acetate	1.032	0.985	4.6	107	0.00
43	Ethyl Acetate	0.501	0.464	7.4	113	0.00
44	Isopropyl Acetate	0.866	0.821	5.2	109	0.00
45 T	1,4-Dioxane	0.006	0.005#	16.7	95	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.430	0.410	4.7	111	0.00
47	n-amyl Acetate	0.749	0.661	11.7	105	0.00
48 M	t-1,3-Dichloropropene	0.628	0.601	4.3	108	0.00
49 T	cis-1,3-Dichloropropene	0.659	0.633	3.9	108	0.00
50 M	1,1,2-Trichloroethane	0.375	0.374	0.3	111	0.00
51	Ethyl methacrylate	0.537	0.486	9.5	107	0.00
52	1,3-Dichloropropane	0.644	0.633	1.7	111	0.00
53 M	Dibromochloromethane	0.429	0.408	4.9	106	0.00
54 M	1,2-Dibromoethane	0.383	0.378	1.3	112	0.00
55 M	2-Chloroethyl vinyl ether	0.281	0.242	13.9	95	0.00
56 M	Bromoform	0.282	0.266	5.7	106	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.551	0.533	3.3	104	0.00
59 M	2-Hexanone	0.415	0.373	10.1	96	0.00
60 S	4-Bromofluorobenzene	0.514	0.504	1.9	97	0.00
61 M	Tetrachloroethene	0.375	0.386	-2.9	109	0.00
62 M	Toluene	1.762	1.719	2.4	105	0.00
63 S	Toluene-d8	1.399	1.396	0.2	96	0.00
64 M	Chlorobenzene	1.047	1.032	1.4	107	0.00
65	1,1,1,2-Tetrachloroethane	0.409	0.410	-0.2	108	0.00
66 M	Ethyl Benzene	1.901	1.826	3.9	108	0.00
67 M	m/p-Xylenes	0.702	0.688	2.0	108	0.00
68 M	o-Xylene	0.664	0.646	2.7	108	0.00
69 M	Styrene	1.137	1.098	3.4	110	0.00
70	Isopropylbenzene	1.738	1.710	1.6	109	0.00
71 M	1,1,2,2-Tetrachloroethane	0.557	0.542	2.7	107	0.00
72	1,2,3-Trichloropropane	0.555	0.517	6.8	108	0.00
73	Bromobenzene	0.430	0.413	4.0	109	0.00
74	n-propylbenzene	2.045	2.000	2.2	109	0.00
75	2-Chlorotoluene	1.286	1.272	1.1	108	0.00
76	1,3,5-Trimethylbenzene	1.467	1.438	2.0	108	0.00
77	t-1,4-Dichloro-2-butene	0.202	0.176	12.9	101	0.00
78	4-Chlorotoluene	1.351	1.287	4.7	105	0.00
79	tert-butylbenzene	1.152	1.116	3.1	112	0.00
80	1,2,4-Trimethylbenzene	1.479	1.457	1.5	111	0.00
81	sec-Butylbenzene	1.527	1.476	3.3	108	0.00
82	p-Isopropyltoluene	1.364	1.290	5.4	107	0.00
83 M	1,3-Dichlorobenzene	0.756	0.731	3.3	110	0.00
84 M	1,4-Dichlorobenzene	0.752	0.722	4.0	111	0.00
85	n-Butylbenzene	1.182	1.091	7.7	110	0.00
86 T	Hexachloroethane	0.272	0.256	5.9	105	0.00
87 M	1,2-Dichlorobenzene	0.737	0.732	0.7	113	0.00
88	1,2-Dibromo-3-Chloropropane	0.120	0.109	9.2	103	0.00
89	1,2,4-Trichlorobenzene	0.335	0.282	15.8	107	0.00
90	Hexachlorobutadiene	0.167	0.160	4.2	107	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.107	0.917	17.2	109	0.00
92	1,2,3-Trichlorobenzene	0.339	0.302	10.9	108	0.00

(#) = Out of Range

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