

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN111020\
 Data File : VN064518.D
 Acq On : 10 Nov 2020 11:40
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 11 02:26:40 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	97	0.00
2 M	Dichlorodifluoromethane	2.009	2.251	-12.0	113	0.00
3 M	Chloromethane	2.293	2.594	-13.1	118	0.00
4 M	Vinyl Chloride	2.484	2.749	-10.7	117	0.00
5 M	Bromomethane	1.626	1.711	-5.2	108	0.00
6 M	Chloroethane	1.551	1.665	-7.4	111	0.00
7 M	Trichlorofluoromethane	3.597	4.038	-12.3	115	0.00
8 T	Diethyl Ether	1.285	1.417	-10.3	114	0.00
9	1,1,2-Trichlorotrifluoroeth	1.693	1.816	-7.3	109	0.00
10 M	1,1-Dichloroethene	1.620	1.671	-3.1	110	0.00
11	Methyl Iodide	1.997	2.082	-4.3	117	0.00
12	Methyl Acetate	1.975	2.110	-6.8	112	0.00
13 M	Acrolein	0.200	0.232	-16.0	140	0.00
14 M	Acrylonitrile	0.878	0.942	-7.3	120	0.00
15 M	Acetone	0.290	0.319	-10.0	100	0.00
16 M	Carbon Disulfide	4.915	4.993	-1.6	107	0.00
17	Allyl chloride	3.043	3.121	-2.6	111	0.00
18 M	Methylene Chloride	1.923	2.052	-6.7	113	0.00
19 M	trans-1,2-Dichloroethene	1.836	1.887	-2.8	111	0.00
20 T	Diisopropyl ether	6.625	6.854	-3.5	113	0.00
21 M	1,1-Dichloroethane	3.643	3.873	-6.3	114	0.00
22 M	cis-1,2-Dichloroethene	2.080	2.153	-3.5	116	0.00
23 M	tert-Butyl Alcohol	0.301	0.328	-9.0	114	0.00
24 M	Methyl tert-Butyl Ether	5.728	5.878	-2.6	113	0.00
25 M	Chloroform	3.829	4.084	-6.7	110	0.00
26	Cyclohexane	2.813	2.860	-1.7	111	0.00
27 s	1,2-Dichloroethane-d4	2.656	2.736	-3.0	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
29	1,1-Dichloropropene	0.521	0.551	-5.8	112	0.00
30 M	2-Butanone	0.258	0.272	-5.4	108	0.00
31	2,2-Dichloropropane	0.618	0.650	-5.2	111	0.00
32 M	1,1,1-Trichloroethane	0.639	0.696	-8.9	115	0.00
33 M	Carbon Tetrachloride	0.570	0.601	-5.4	112	0.00
34 M	Benzene	1.507	1.564	-3.8	111	0.00
35	Methacrylonitrile	0.241	0.248	-2.9	122	0.00
36 M	1,2-Dichloroethane	0.619	0.658	-6.3	111	0.00
37 M	Trichloroethene	0.381	0.390	-2.4	112	0.00
38	Methylcyclohexane	0.471	0.459	2.5	108	0.00
39 M	1,2-Dichloropropane	0.405	0.417	-3.0	109	0.00
40	Dibromomethane	0.273	0.298	-9.2	115	0.00
41 M	Bromodichloromethane	0.592	0.619	-4.6	110	0.00
42 M	Vinyl Acetate	1.032	1.063	-3.0	113	0.00
43	Ethyl Acetate	0.501	0.544	-8.6	130	0.00
44	Isopropyl Acetate	0.866	0.893	-3.1	116	0.00
45 T	1,4-Dioxane	0.006	0.006#	0.0	107	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.430	0.440	-2.3	117	0.00
47	n-amyl Acetate	0.749	0.744	0.7	116	0.00
48 M	t-1,3-Dichloropropene	0.628	0.639	-1.8	112	0.00
49 T	cis-1,3-Dichloropropene	0.659	0.673	-2.1	112	0.00
50 M	1,1,2-Trichloroethane	0.375	0.390	-4.0	113	0.00
51	Ethyl methacrylate	0.537	0.537	0.0	116	0.00
52	1,3-Dichloropropane	0.644	0.672	-4.3	115	0.00
53 M	Dibromochloromethane	0.429	0.439	-2.3	112	0.00
54 M	1,2-Dibromoethane	0.383	0.409	-6.8	119	0.00
55 M	2-Chloroethyl vinyl ether	0.281	0.249	11.4	96	0.00
56 M	Bromoform	0.282	0.285	-1.1	111	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	0.551	0.595	-8.0	115	0.00
59 M	2-Hexanone	0.415	0.449	-8.2	115	0.00
60 S	4-Bromofluorobenzene	0.514	0.514	0.0	98	0.00
61 M	Tetrachloroethene	0.375	0.404	-7.7	113	0.00
62 M	Toluene	1.762	1.839	-4.4	112	0.00
63 S	Toluene-d8	1.399	1.407	-0.6	96	0.00
64 M	Chlorobenzene	1.047	1.087	-3.8	112	0.00
65	1,1,1,2-Tetrachloroethane	0.409	0.432	-5.6	113	0.00
66 M	Ethyl Benzene	1.901	1.943	-2.2	114	0.00
67 M	m/p-Xylenes	0.702	0.716	-2.0	111	0.00
68 M	o-Xylene	0.664	0.669	-0.8	111	0.00
69 M	Styrene	1.137	1.134	0.3	112	0.00
70	Isopropylbenzene	1.738	1.770	-1.8	112	0.00
71 M	1,1,2,2-Tetrachloroethane	0.557	0.596	-7.0	116	0.00
72	1,2,3-Trichloropropane	0.555	0.562	-1.3	116	0.00
73	Bromobenzene	0.430	0.431	-0.2	112	0.00
74	n-propylbenzene	2.045	2.108	-3.1	114	0.00
75	2-Chlorotoluene	1.286	1.311	-1.9	110	0.00
76	1,3,5-Trimethylbenzene	1.467	1.508	-2.8	112	0.00
77	t-1,4-Dichloro-2-butene	0.202	0.201	0.5	114	0.00
78	4-Chlorotoluene	1.351	1.366	-1.1	111	0.00
79	tert-butylbenzene	1.152	1.174	-1.9	117	0.00
80	1,2,4-Trimethylbenzene	1.479	1.524	-3.0	114	0.00
81	sec-Butylbenzene	1.527	1.543	-1.0	111	0.00
82	p-Isopropyltoluene	1.364	1.357	0.5	111	0.00
83 M	1,3-Dichlorobenzene	0.756	0.759	-0.4	113	0.00
84 M	1,4-Dichlorobenzene	0.752	0.735	2.3	111	0.00
85	n-Butylbenzene	1.182	1.162	1.7	116	0.00
86 T	Hexachloroethane	0.272	0.277	-1.8	113	0.00
87 M	1,2-Dichlorobenzene	0.737	0.763	-3.5	117	0.00
88	1,2-Dibromo-3-Chloropropane	0.120	0.127	-5.8	119	0.00
89	1,2,4-Trichlorobenzene	0.335	0.310	7.5	116	0.00
90	Hexachlorobutadiene	0.167	0.175	-4.8	116	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.107	0.982	11.3	115	0.00
92	1,2,3-Trichlorobenzene	0.339	0.326	3.8	116	0.00

(#) = Out of Range

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