

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067733.D
 Acq On : 14 Jul 2021 9:27
 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 14 17:14:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 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	1.533	1.453	5.2	106	0.00
3 M	Chloromethane	1.915	1.880	1.8	103	0.00
4 M	Vinyl Chloride	2.979	2.915	2.1	102	0.00
5 M	Bromomethane	2.480	2.522	-1.7	104	0.00
6 M	Chloroethane	2.218	2.265	-2.1	103	0.00
7 M	Trichlorofluoromethane	5.528	5.764	-4.3	104	0.00
8 T	Diethyl Ether	1.028	1.025	0.3	107	0.00
9	1,1,2-Trichlorotrifluoroeth	1.571	1.585	-0.9	109	0.00
10 M	1,1-Dichloroethene	1.455	1.428	1.9	107	0.00
11	Methyl Iodide	1.924	1.666	13.4	102	0.00
12	Methyl Acetate	1.986	1.907	4.0	108	0.00
13 M	Acrolein	0.208	0.207	0.5	116	0.00
14 M	Acrylonitrile	0.873	0.816	6.5	106	0.00
15 M	Acetone	0.217	0.277	-27.6	142	0.00
16 M	Carbon Disulfide	3.843	3.639	5.3	109	0.00
17	Allyl chloride	2.561	2.453	4.2	106	0.00
18 M	Methylene Chloride	2.014	1.794	10.9	102	0.00
19 M	trans-1,2-Dichloroethene	1.735	1.611	7.1	106	0.00
20 T	Diisopropyl ether	6.063	5.718	5.7	106	0.00
21 M	1,1-Dichloroethane	3.336	3.201	4.0	106	0.00
22 M	cis-1,2-Dichloroethene	2.141	2.035	5.0	110	0.00
23 M	tert-Butyl Alcohol	0.322	0.291	9.6	99	0.00
24 M	Methyl tert-Butyl Ether	6.009	5.740	4.5	107	0.00
25 M	Chloroform	3.712	3.596	3.1	108	0.00
26	Cyclohexane	2.906	2.777	4.4	108	0.00
27 s	1,2-Dichloroethane-d4	2.424	2.609	-7.6	103	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
29	1,1-Dichloropropene	0.471	0.436	7.4	107	0.00
30 M	2-Butanone	0.218	0.213	2.3	115	0.00
31	2,2-Dichloropropane	0.525	0.502	4.4	112	0.00
32 M	1,1,1-Trichloroethane	0.578	0.529	8.5	108	0.00
33 M	Carbon Tetrachloride	0.494	0.438	11.3	107	0.00
34 M	Benzene	1.407	1.311	6.8	108	0.00
35	Methacrylonitrile	0.224	0.205	8.5	118	0.00
36 M	1,2-Dichloroethane	0.524	0.501	4.4	105	0.00
37 M	Trichloroethene	0.366	0.334	8.7	107	0.00
38	Methylcyclohexane	0.521	0.485	6.9	109	0.00
39 M	1,2-Dichloropropane	0.359	0.333	7.2	108	0.00
40	Dibromomethane	0.258	0.236	8.5	106	0.00
41 M	Bromodichloromethane	0.506	0.457	9.7	106	0.00
42 M	Vinyl Acetate	0.867	0.813	6.2	119	0.00
43	Ethyl Acetate	0.441	0.386	12.5	107	0.00
44	Isopropyl Acetate	0.800	0.721	9.9	106	0.00
45 T	1,4-Dioxane	0.006	0.005#	16.7	102	0.00
46	Methyl methacrylate	0.345	0.308	10.7	107	0.00
47	n-amyl Acetate	0.657	0.577	12.2	109	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48 M	t-1,3-Dichloropropene	0.546	0.481	11.9	109	0.00
49 T	cis-1,3-Dichloropropene	0.579	0.522	9.8	109	0.00
50 M	1,1,2-Trichloroethane	0.368	0.333	9.5	108	0.00
51	Ethyl methacrylate	0.573	0.492	14.1	104	0.00
52	1,3-Dichloropropane	0.609	0.560	8.0	108	0.00
53 M	Dibromochloromethane	0.385	0.328	14.8	109	0.00
54 M	1,2-Dibromoethane	0.380	0.338	11.1	107	0.00
55 M	2-Chloroethyl vinyl ether	0.111	0.087	21.6	103	0.00
56 M	Bromoform	0.270	0.207	23.3	109	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
58 M	4-Methyl-2-Pentanone	0.515	0.471	8.5	106	0.00
59 M	2-Hexanone	0.361	0.346	4.2	112	0.00
60 S	4-Bromofluorobenzene	0.487	0.483	0.8	102	0.00
61 M	Tetrachloroethene	0.369	0.342	7.3	108	0.00
62 M	Toluene	1.765	1.598	9.5	104	0.00
63 S	Toluene-d8	1.380	1.373	0.5	101	0.00
64 M	Chlorobenzene	1.057	0.958	9.4	106	0.00
65	1,1,1,2-Tetrachloroethane	0.389	0.350	10.0	109	0.00
66 M	Ethyl Benzene	1.953	1.776	9.1	105	0.00
67 M	m/p-Xylenes	0.745	0.687	7.8	107	0.00
68 M	o-Xylene	0.735	0.678	7.8	108	0.00
69 M	Styrene	1.216	1.092	10.2	106	0.00
70	Isopropylbenzene	1.897	1.741	8.2	107	0.00
71 M	1,1,2,2-Tetrachloroethane	0.539	0.503	6.7	108	0.00
72	1,2,3-Trichloropropane	0.448	0.459	-2.5	109	0.00
73	Bromobenzene	0.436	0.382	12.4	108	0.00
74	n-propylbenzene	2.174	2.063	5.1	109	0.00
75	2-Chlorotoluene	1.305	1.230	5.7	108	0.00
76	1,3,5-Trimethylbenzene	1.562	1.484	5.0	110	0.00
77	t-1,4-Dichloro-2-butene	0.151	0.132	12.6	114	0.00
78	4-Chlorotoluene	1.301	1.243	4.5	109	0.00
79	tert-butylbenzene	1.341	1.229	8.4	107	0.00
80	1,2,4-Trimethylbenzene	1.551	1.460	5.9	109	0.00
81	sec-Butylbenzene	1.860	1.760	5.4	108	0.00
82	p-Isopropyltoluene	1.548	1.418	8.4	109	0.00
83 M	1,3-Dichlorobenzene	0.814	0.749	8.0	112	0.00
84 M	1,4-Dichlorobenzene	0.793	0.724	8.7	110	0.00
85	n-Butylbenzene	1.285	1.190	7.4	110	0.00
86 T	Hexachloroethane	0.258	0.224	13.2	109	0.00
87 M	1,2-Dichlorobenzene	0.777	0.711	8.5	110	0.00
88	1,2-Dibromo-3-Chloropropane	0.096	0.090	6.3	112	0.00
89	1,2,4-Trichlorobenzene	0.354	0.289	18.4	108	0.00
90	Hexachlorobutadiene	0.170	0.155	8.8	105	0.00
91 M	Naphthalene	1.007	0.735	27.0	101	0.00
92	1,2,3-Trichlorobenzene	0.340	0.274	19.4	107	0.00

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Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#)= Out of Range				
SPCC's out = 0 CCC's out = 0				