

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051622\
 Data File : VN072525.D
 Acq On : 17 May 2022 00:59
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 17 07:23:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N051622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 17 06:34:50 2022
 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	101	0.00
2 M	Dichlorodifluoromethane	2.492	2.480	0.5	94	0.00
3 M	Chloromethane	2.251	1.987	11.7	84	0.00
4 M	Vinyl Chloride	1.900	1.871	1.5	94	0.00
5 M	Bromomethane	1.545	1.523	1.4	109	0.02
6 M	Chloroethane	1.241	1.360	-9.6	106	0.02
7 M	Trichlorofluoromethane	4.488	4.453	0.8	93	0.00
8 T	Diethyl Ether	1.350	1.199	11.2	86	0.00
9	1,1,2-Trichlorotrifluoroeth	2.115	2.021	4.4	89	0.00
10 M	1,1-Dichloroethene	1.907	1.797	5.8	92	0.00
11	Methyl Iodide	2.872	2.706	5.8	92	0.00
12	Methyl Acetate	3.085	2.801	9.2	85	0.00
13 M	Acrolein	0.485	0.381	21.4	76	0.00
14 M	Acrylonitrile	1.301	1.141	12.3	86	0.00
15 M	Acetone	0.341	0.330	3.2	94	0.00
16 M	Carbon Disulfide	4.946	4.564	7.7	89	0.00
17	Allyl chloride	3.442	2.883	16.2	82	0.00
18 M	Methylene Chloride	2.257	2.186	3.1	92	0.00
19 M	trans-1,2-Dichloroethene	2.094	1.946	7.1	89	0.00
20 T	Diisopropyl ether	7.156	6.538	8.6	88	0.00
21 M	1,1-Dichloroethane	4.279	4.050	5.4	91	0.00
22 M	cis-1,2-Dichloroethene	2.459	2.381	3.2	94	0.00
23 M	tert-Butyl Alcohol	0.571	0.442	22.6	77	-0.02
24 M	Methyl tert-Butyl Ether	7.823	7.564	3.3	93	0.00
25 M	Chloroform	4.615	4.653	-0.8	96	0.00
26	Cyclohexane	3.473	3.279	5.6	91	0.00
27 s	1,2-Dichloroethane-d4	3.376	3.524	-4.4	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.597	0.582	2.5	95	0.00
30 M	2-Butanone	0.346	0.298	13.9	82	0.00
31	2,2-Dichloropropane	0.741	0.574	22.5	77	0.00
32 M	1,1,1-Trichloroethane	0.852	0.841	1.3	96	0.00
33 M	Carbon Tetrachloride	0.757	0.758	-0.1	94	0.00
34 M	Benzene	1.698	1.631	3.9	92	0.00
35	Methacrylonitrile	0.366	0.316	13.7	86	0.00
36 M	1,2-Dichloroethane	0.791	0.781	1.3	93	0.00
37 M	Trichloroethene	0.461	0.450	2.4	94	0.00
38	Methylcyclohexane	0.691	0.662	4.2	93	0.00
39 M	1,2-Dichloropropane	0.428	0.400	6.5	88	0.00
40	Dibromomethane	0.330	0.304	7.9	87	0.00
41 M	Bromodichloromethane	0.699	0.669	4.3	94	0.00
42 M	Vinyl Acetate	1.164	1.109	4.7	90	0.00
43	Ethyl Acetate	0.675	0.587	13.0	87	0.00
44	Isopropyl Acetate	1.081	0.987	8.7	89	0.00
45 T	1,4-Dioxane	0.010	0.007#	30.0	65	0.00
46	Methyl methacrylate	0.512	0.449	12.3	92	0.00
47	n-amyl Acetate	0.724	0.651	10.1	93	0.00
48 M	t-1,3-Dichloropropene	0.738	0.639	13.4	87	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.744	0.647	13.0	85	0.00
50 M	1,1,2-Trichloroethane	0.455	0.432	5.1	93	0.00
51	Ethyl methacrylate	0.710	0.640	9.9	90	0.00
52	1,3-Dichloropropane	0.787	0.760	3.4	94	0.00
53 M	Dibromochloromethane	0.550	0.516	6.2	89	0.00
54 M	1,2-Dibromoethane	0.484	0.454	6.2	94	0.00
55 M	2-Chloroethyl vinyl ether	0.180	0.147	18.3	89	0.00
56 M	Bromoform	0.415	0.381	8.2	94	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.707	0.651	7.9	87	0.00
59 M	2-Hexanone	0.519	0.463	10.8	84	0.00
60 S	4-Bromofluorobenzene	0.586	0.578	1.4	97	0.00
61 M	Tetrachloroethene	0.449	0.446	0.7	92	0.00
62 M	Toluene	2.027	1.951	3.7	91	0.00
63 S	Toluene-d8	1.638	1.686	-2.9	97	0.00
64 M	Chlorobenzene	1.264	1.178	6.8	91	0.00
65	1,1,1,2-Tetrachloroethane	0.523	0.515	1.5	92	0.00
66 M	Ethyl Benzene	2.280	2.192	3.9	92	0.00
67 M	m/p-Xylenes	0.864	0.844	2.3	94	0.00
68 M	o-Xylene	0.854	0.829	2.9	93	0.00
69 M	Styrene	1.361	1.309	3.8	94	0.00
70	Isopropylbenzene	2.267	2.219	2.1	94	0.00
71 M	1,1,2,2-Tetrachloroethane	0.692	0.694	-0.3	93	0.00
72	1,2,3-Trichloropropane	0.649	0.632	2.6	89	0.00
73	Bromobenzene	0.546	0.530	2.9	95	0.00
74	n-propylbenzene	2.482	2.396	3.5	96	0.00
75	2-Chlorotoluene	1.603	1.549	3.4	92	0.00
76	1,3,5-Trimethylbenzene	1.939	1.932	0.4	97	0.00
77	t-1,4-Dichloro-2-butene	0.215	0.157	27.0	79	0.00
78	4-Chlorotoluene	1.503	1.458	3.0	96	0.00
79	tert-butylbenzene	1.704	1.607	5.7	92	0.00
80	1,2,4-Trimethylbenzene	1.868	1.865	0.2	97	0.00
81	sec-Butylbenzene	2.259	2.196	2.8	97	0.00
82	p-Isopropyltoluene	1.869	1.830	2.1	97	0.00
83 M	1,3-Dichlorobenzene	0.931	0.919	1.3	99	0.00
84 M	1,4-Dichlorobenzene	0.906	0.845	6.7	94	0.00
85	n-Butylbenzene	1.385	1.320	4.7	103	0.00
86 T	Hexachloroethane	0.344	0.314	8.7	95	0.00
87 M	1,2-Dichlorobenzene	0.911	0.912	-0.1	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.163	0.151	7.4	91	0.00
89	1,2,4-Trichlorobenzene	0.412	0.385	6.6	104	0.00
90	Hexachlorobutadiene	0.255	0.257	-0.8	96	0.00
91 M	Naphthalene	1.241	1.010	18.6	96	0.00
92	1,2,3-Trichlorobenzene	0.420	0.387	7.9	99	0.00

(#) = Out of Range

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