

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN072000.D
 Acq On : 14 Apr 2022 16:43
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 15 01:38:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 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	76	0.00
2 M	Dichlorodifluoromethane	1.867	2.021	-8.2	79	0.00
3 M	Chloromethane	2.201	2.107	4.3	73	0.00
4 M	Vinyl Chloride	2.524	2.159	14.5	66	0.00
5 M	Bromomethane	1.487	1.228	17.4	56	-0.01
6 M	Chloroethane	1.616	1.329	17.8	63	0.00
7 M	Trichlorofluoromethane	2.943	2.777	5.6	72	0.00
8 T	Diethyl Ether	1.236	1.171	5.3	73	0.00
9	1,1,2-Trichlorotrifluoroeth	1.762	1.790	-1.6	77	0.00
10 M	1,1-Dichloroethene	1.738	1.680	3.3	74	0.00
11	Methyl Iodide	2.547	1.689	33.7#	52	-0.01
12	Methyl Acetate	2.449	2.285	6.7	72	0.00
13 M	Acrolein	0.261	0.253	3.1	79	0.00
14 M	Acrylonitrile	1.109	1.080	2.6	76	0.00
15 M	Acetone	0.319	0.285	10.7	66	0.00
16 M	Carbon Disulfide	4.525	4.507	0.4	79	0.00
17	Allyl chloride	2.819	2.465	12.6	69	0.00
18 M	Methylene Chloride	2.085	2.053	1.5	76	0.00
19 M	trans-1,2-Dichloroethene	1.859	1.849	0.5	77	0.00
20 T	Diisopropyl ether	5.898	5.424	8.0	70	0.00
21 M	1,1-Dichloroethane	3.561	3.409	4.3	74	0.00
22 M	cis-1,2-Dichloroethene	2.258	2.179	3.5	74	0.00
23 M	tert-Butyl Alcohol	0.396	0.337	14.9	69	0.01
24 M	Methyl tert-Butyl Ether	6.273	5.858	6.6	72	0.00
25 M	Chloroform	3.582	3.477	2.9	74	0.00
26	Cyclohexane	3.078	2.901	5.8	73	0.00
27 s	1,2-Dichloroethane-d4	2.114	1.984	6.1	71	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	74	0.00
29	1,1-Dichloropropene	0.486	0.482	0.8	75	0.00
30 M	2-Butanone	0.270	0.248	8.1	69	0.00
31	2,2-Dichloropropane	0.553	0.488	11.8	67	0.00
32 M	1,1,1-Trichloroethane	0.566	0.549	3.0	73	0.00
33 M	Carbon Tetrachloride	0.479	0.468	2.3	73	0.00
34 M	Benzene	1.509	1.557	-3.2	77	0.00
35	Methacrylonitrile	0.259	0.245	5.4	68	0.00
36 M	1,2-Dichloroethane	0.526	0.496	5.7	71	0.00
37 M	Trichloroethene	0.389	0.407	-4.6	80	0.00
38	Methylcyclohexane	0.612	0.610	0.3	75	0.00
39 M	1,2-Dichloropropane	0.377	0.379	-0.5	75	0.00
40	Dibromomethane	0.255	0.257	-0.8	75	0.00
41 M	Bromodichloromethane	0.511	0.499	2.3	74	0.00
42 M	Vinyl Acetate	0.926	0.837	9.6	69	0.00
43	Ethyl Acetate	0.524	0.519	1.0	73	0.00
44	Isopropyl Acetate	0.841	0.737	12.4	68	0.00
45 T	1,4-Dioxane	0.008	0.009#	-12.5	78	0.00
46	Methyl methacrylate	0.369	0.351	4.9	76	0.00
47	n-amyl Acetate	0.561	0.456	18.7	68	0.00
48 M	t-1,3-Dichloropropene	0.556	0.506	9.0	72	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.608	0.587	3.5	75	0.00
50 M	1,1,2-Trichloroethane	0.382	0.403	-5.5	79	0.00
51	Ethyl methacrylate	0.590	0.568	3.7	77	0.00
52	1,3-Dichloropropane	0.652	0.665	-2.0	76	0.00
53 M	Dibromochloromethane	0.395	0.400	-1.3	78	0.00
54 M	1,2-Dibromoethane	0.393	0.391	0.5	77	0.00
55 M	2-Chloroethyl vinyl ether	0.159	0.264	-66.0#	129	0.00
56 M	Bromoform	0.305	0.298	2.3	77	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
58 M	4-Methyl-2-Pentanone	0.569	0.530	6.9	73	0.00
59 M	2-Hexanone	0.416	0.377	9.4	72	0.00
60 S	4-Bromofluorobenzene	0.445	0.430	3.4	76	0.00
61 M	Tetrachloroethene	0.365	0.402	-10.1	85	0.00
62 M	Toluene	1.819	1.850	-1.7	79	0.00
63 S	Toluene-d8	1.362	1.361	0.1	75	0.00
64 M	Chlorobenzene	1.122	1.110	1.1	79	0.00
65	1,1,1,2-Tetrachloroethane	0.412	0.404	1.9	76	0.00
66 M	Ethyl Benzene	1.977	1.901	3.8	77	0.00
67 M	m/p-Xylenes	0.769	0.755	1.8	77	0.00
68 M	o-Xylene	0.764	0.727	4.8	76	0.00
69 M	Styrene	1.203	1.147	4.7	78	0.00
70	Isopropylbenzene	1.918	1.858	3.1	77	0.00
71 M	1,1,2,2-Tetrachloroethane	0.624	0.612	1.9	75	0.00
72	1,2,3-Trichloropropane	0.536	0.540	-0.7	77	0.00
73	Bromobenzene	0.468	0.445	4.9	78	0.00
74	n-propylbenzene	2.094	1.982	5.3	77	0.00
75	2-Chlorotoluene	1.308	1.253	4.2	76	0.00
76	1,3,5-Trimethylbenzene	1.539	1.534	0.3	78	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.150	20.2	70	0.00
78	4-Chlorotoluene	1.222	1.120	8.3	75	0.00
79	tert-butylbenzene	1.389	1.323	4.8	76	0.00
80	1,2,4-Trimethylbenzene	1.493	1.449	2.9	78	0.00
81	sec-Butylbenzene	1.866	1.767	5.3	77	0.00
82	p-Isopropyltoluene	1.516	1.426	5.9	78	0.00
83 M	1,3-Dichlorobenzene	0.766	0.731	4.6	79	0.00
84 M	1,4-Dichlorobenzene	0.731	0.687	6.0	78	0.00
85	n-Butylbenzene	1.126	0.981	12.9	77	0.00
86 T	Hexachloroethane	0.283	0.239	15.5	69	0.00
87 M	1,2-Dichlorobenzene	0.740	0.715	3.4	76	0.00
88	1,2-Dibromo-3-Chloropropane	0.111	0.097	12.6	73	0.00
89	1,2,4-Trichlorobenzene	0.342	0.331	3.2	86	0.00
90	Hexachlorobutadiene	0.203	0.215	-5.9	86	0.00
91 M	Naphthalene	0.951	0.884	7.0	90	0.00
92	1,2,3-Trichlorobenzene	0.336	0.335	0.3	89	0.00

(#) = Out of Range

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