

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076742.D
 Acq On : 17 Feb 2023 18:28
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 18 02:14:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% 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	3.175	3.444	-8.5	79	0.00
3 M	Chloromethane	3.898	4.218	-8.2	81	0.00
4 M	Vinyl Chloride	4.161	4.668	-12.2	85	0.00
5 M	Bromomethane	2.873	3.024	-5.3	86	0.00
6 M	Chloroethane	2.698	3.247	-20.3	91	0.00
7 M	Trichlorofluoromethane	5.187	5.480	-5.6	80	0.00
8 T	Diethyl Ether	2.058	2.150	-4.5	82	0.00
9	1,1,2-Trichlorotrifluoroeth	3.152	3.282	-4.1	81	0.00
10 M	1,1-Dichloroethene	2.961	3.018	-1.9	80	0.00
11	Methyl Iodide	3.694	4.340	-17.5	84	0.00
12	Methyl Acetate	6.070	6.427	-5.9	81	0.00
13 M	Acrolein	0.721	0.650	9.8	74	0.00
14 M	Acrylonitrile	1.863	1.951	-4.7	79	0.00
15 M	Acetone	0.603	0.496	17.7	57	0.00
16 M	Carbon Disulfide	8.304	8.100	2.5	76	0.00
17	Allyl chloride	5.299	5.120	3.4	77	0.00
18 M	Methylene Chloride	3.737	3.978	-6.4	82	0.01
19 M	trans-1,2-Dichloroethene	3.320	3.399	-2.4	84	0.00
20 T	Diisopropyl ether	12.531	13.375	-6.7	81	0.00
21 M	1,1-Dichloroethane	6.555	7.073	-7.9	83	0.00
22 M	cis-1,2-Dichloroethene	3.810	4.028	-5.7	81	0.01
23 M	tert-Butyl Alcohol	0.538	0.512	4.8	70	0.00
24 M	Methyl tert-Butyl Ether	10.244	10.876	-6.2	81	0.00
25 M	Chloroform	6.428	7.055	-9.8	82	0.00
26	Cyclohexane	5.858	6.051	-3.3	76	0.00
27 s	1,2-Dichloroethane-d4	2.744	3.060	-11.5	85	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
29	1,1-Dichloropropene	0.684	0.731	-6.9	83	0.00
30 M	2-Butanone	0.399	0.382	4.3	70	0.00
31	2,2-Dichloropropane	0.715	0.681	4.8	74	0.01
32 M	1,1,1-Trichloroethane	0.794	0.815	-2.6	81	0.00
33 M	Carbon Tetrachloride	0.688	0.681	1.0	77	0.00
34 M	Benzene	2.185	2.306	-5.5	81	0.00
35	Methacrylonitrile	0.435	0.482	-10.8	87	0.00
36 M	1,2-Dichloroethane	0.731	0.797	-9.0	82	0.00
37 M	Trichloroethene	0.508	0.508	0.0	80	0.00
38	Methylcyclohexane	0.861	0.862	-0.1	76	0.00
39 M	1,2-Dichloropropane	0.568	0.600	-5.6	83	0.00
40	Dibromomethane	0.362	0.395	-9.1	83	0.00
41 M	Bromodichloromethane	0.726	0.736	-1.4	78	0.00
42 M	Vinyl Acetate	1.157	1.176	-1.6	79	0.00
43	Ethyl Acetate	0.760	0.805	-5.9	81	0.00
44	Isopropyl Acetate	1.252	1.319	-5.4	79	0.00
45 T	1,4-Dioxane	0.011	0.009	18.2	69	0.00
46	Methyl methacrylate	0.575	0.619	-7.7	82	0.00
47	n-amyl Acetate	1.105	1.159	-4.9	80	0.00
48 M	t-1,3-Dichloropropene	0.737	0.718	2.6	75	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.838	0.840	-0.2	78	0.00
50 M	1,1,2-Trichloroethane	0.526	0.562	-6.8	81	0.00
51	Ethyl methacrylate	0.764	0.804	-5.2	80	0.00
52	1,3-Dichloropropane	0.905	0.982	-8.5	83	0.00
53 M	Dibromochloromethane	0.541	0.535	1.1	77	0.00
54 M	1,2-Dibromoethane	0.512	0.534	-4.3	80	0.00
55 M	2-Chloroethyl vinyl ether	0.339	0.356	-5.0	83	0.00
56 M	Bromoform	0.372	0.365	1.9	78	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
58 M	4-Methyl-2-Pentanone	0.714	0.755	-5.7	80	0.00
59 M	2-Hexanone	0.531	0.542	-2.1	76	0.00
60 S	4-Bromofluorobenzene	0.531	0.530	0.2	79	0.00
61 M	Tetrachloroethene	0.379	0.358	5.5	78	0.00
62 M	Toluene	2.097	2.218	-5.8	82	0.00
63 S	Toluene-d8	1.051	1.063	-1.1	80	0.00
64 M	Chlorobenzene	1.249	1.258	-0.7	80	0.00
65	1,1,1,2-Tetrachloroethane	0.458	0.442	3.5	77	0.00
66 M	Ethyl Benzene	2.229	2.277	-2.2	80	0.00
67 M	m/p-Xylenes	0.872	0.916	-5.0	80	0.00
68 M	o-Xylene	0.859	0.897	-4.4	81	0.00
69 M	Styrene	1.379	1.453	-5.4	81	0.00
70	Isopropylbenzene	2.191	2.278	-4.0	79	0.00
71 M	1,1,2,2-Tetrachloroethane	0.717	0.755	-5.3	81	0.00
72	1,2,3-Trichloropropane	0.632	0.747	-18.2	88	0.00
73	Bromobenzene	0.508	0.505	0.6	76	0.00
74	n-propylbenzene	2.610	2.727	-4.5	80	0.00
75	2-Chlorotoluene	1.553	1.669	-7.5	82	0.00
76	1,3,5-Trimethylbenzene	1.828	1.939	-6.1	81	0.00
77	t-1,4-Dichloro-2-butene	0.203	0.187	7.9	73	0.00
78	4-Chlorotoluene	1.489	1.581	-6.2	81	0.00
79	tert-butylbenzene	1.618	1.655	-2.3	78	0.00
80	1,2,4-Trimethylbenzene	1.815	1.949	-7.4	81	0.00
81	sec-Butylbenzene	2.324	2.437	-4.9	79	0.00
82	p-Isopropyltoluene	1.884	1.928	-2.3	77	0.00
83 M	1,3-Dichlorobenzene	0.972	0.972	0.0	79	0.00
84 M	1,4-Dichlorobenzene	0.948	0.975	-2.8	80	0.00
85	n-Butylbenzene	1.597	1.538	3.7	75	0.00
86 T	Hexachloroethane	0.365	0.370	-1.4	79	0.00
87 M	1,2-Dichlorobenzene	0.977	1.021	-4.5	83	0.00
88	1,2-Dibromo-3-Chloropropane	0.133	0.134	-0.8	74	0.00
89	1,2,4-Trichlorobenzene	0.498	0.470	5.6	78	0.00
90	Hexachlorobutadiene	0.240	0.236	1.7	81	0.00
91 M	Naphthalene	1.602	1.514	5.5	76	0.00
92	1,2,3-Trichlorobenzene	0.506	0.471	6.9	77	0.00

(#) = Out of Range

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