

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066415.D
 Acq On : 30 Mar 2021 10:52
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 31 02:52:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 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	85	0.00
2 M	Dichlorodifluoromethane	1.678	1.762	-5.0	90	0.00
3 M	Chloromethane	2.109	2.289	-8.5	94	0.00
4 M	Vinyl Chloride	2.217	2.516	-13.5	97	0.00
5 M	Bromomethane	1.569	1.714	-9.2	97	0.00
6 M	Chloroethane	1.420	1.608	-13.2	98	0.00
7 M	Trichlorofluoromethane	3.198	3.355	-4.9	93	0.00
8 T	Diethyl Ether	1.080	1.073	0.6	85	0.00
9	1,1,2-Trichlorotrifluoroeth	1.565	1.704	-8.9	94	0.00
10 M	1,1-Dichloroethene	1.549	1.563	-0.9	89	0.00
11	Methyl Iodide	2.228	2.305	-3.5	86	0.00
12	Methyl Acetate	2.405	2.706	-12.5	93	0.00
13 M	Acrolein	0.167	0.140	16.2	86	-0.01
14 M	Acrylonitrile	0.992	1.046	-5.4	89	0.00
15 M	Acetone	0.289	0.359	-24.2	113	0.00
16 M	Carbon Disulfide	4.291	4.372	-1.9	88	0.00
17	Allyl chloride	2.799	2.526	9.8	72	0.00
18 M	Methylene Chloride	1.851	1.964	-6.1	90	0.00
19 M	trans-1,2-Dichloroethene	1.704	1.765	-3.6	90	-0.01
20 T	Diisopropyl ether	6.143	6.364	-3.6	88	-0.01
21 M	1,1-Dichloroethane	3.325	3.531	-6.2	90	0.00
22 M	cis-1,2-Dichloroethene	2.040	2.122	-4.0	89	0.00
23 M	tert-Butyl Alcohol	0.407	0.363	10.8	73	0.00
24 M	Methyl tert-Butyl Ether	5.910	5.893	0.3	85	-0.01
25 M	Chloroform	3.359	3.501	-4.2	88	0.00
26	Cyclohexane	2.949	2.950	-0.0	86	0.00
27 s	1,2-Dichloroethane-d4	2.306	2.302	0.2	84	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
29	1,1-Dichloropropene	0.449	0.462	-2.9	88	0.00
30 M	2-Butanone	0.263	0.285	-8.4	92	0.00
31	2,2-Dichloropropane	0.556	0.577	-3.8	88	0.00
32 M	1,1,1-Trichloroethane	0.544	0.557	-2.4	88	0.00
33 M	Carbon Tetrachloride	0.459	0.467	-1.7	86	0.00
34 M	Benzene	1.367	1.472	-7.7	91	0.00
35	Methacrylonitrile	0.222	0.246	-10.8	99	0.00
36 M	1,2-Dichloroethane	0.501	0.526	-5.0	87	0.00
37 M	Trichloroethene	0.357	0.372	-4.2	89	0.00
38	Methylcyclohexane	0.555	0.554	0.2	85	0.00
39 M	1,2-Dichloropropane	0.370	0.398	-7.6	91	0.00
40	Dibromomethane	0.238	0.257	-8.0	91	0.00
41 M	Bromodichloromethane	0.504	0.525	-4.2	88	0.00
42 M	Vinyl Acetate	0.991	0.988	0.3	84	0.00
43	Ethyl Acetate	0.506	0.527	-4.2	86	0.00
44	Isopropyl Acetate	0.904	0.903	0.1	83	0.00
45 T	1,4-Dioxane	0.006	0.005#	16.7	74	0.00
46	Methyl methacrylate	0.422	0.397	5.9	79	0.00
47	n-amyl Acetate	0.366	0.365	0.3	79	0.00
48 M	t-1,3-Dichloropropene	0.547	0.560	-2.4	87	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.588	0.601	-2.2	87	0.00
50 M	1,1,2-Trichloroethane	0.341	0.373	-9.4	91	0.00
51	Ethyl methacrylate	0.533	0.522	2.1	82	0.00
52	1,3-Dichloropropane	0.568	0.621	-9.3	92	0.00
53 M	Dibromochloromethane	0.383	0.397	-3.7	86	0.00
54 M	1,2-Dibromoethane	0.351	0.369	-5.1	88	0.00
55 M	2-Chloroethyl vinyl ether	0.079	0.078	1.3	78	0.00
56 M	Bromoform	0.281	0.286	-1.8	85	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
58 M	4-Methyl-2-Pentanone	0.601	0.599	0.3	85	0.00
59 M	2-Hexanone	0.414	0.413	0.2	86	0.00
60 S	4-Bromofluorobenzene	0.468	0.450	3.8	81	0.00
61 M	Tetrachloroethene	0.413	0.403	2.4	84	0.00
62 M	Toluene	1.661	1.710	-3.0	90	0.00
63 S	Toluene-d8	1.408	1.384	1.7	84	0.00
64 M	Chlorobenzene	0.976	1.012	-3.7	89	0.00
65	1,1,1,2-Tetrachloroethane	0.383	0.390	-1.8	89	0.00
66 M	Ethyl Benzene	1.789	1.811	-1.2	88	0.00
67 M	m/p-Xylenes	0.665	0.685	-3.0	90	0.00
68 M	o-Xylene	0.656	0.661	-0.8	87	0.00
69 M	Styrene	1.052	1.043	0.9	86	0.00
70	Isopropylbenzene	1.727	1.740	-0.8	87	0.00
71 M	1,1,2,2-Tetrachloroethane	0.553	0.596	-7.8	90	0.00
72	1,2,3-Trichloropropane	0.534	0.527	1.3	82	0.00
73	Bromobenzene	0.426	0.442	-3.8	89	0.00
74	n-propylbenzene	1.909	1.987	-4.1	90	0.00
75	2-Chlorotoluene	1.156	1.179	-2.0	88	0.00
76	1,3,5-Trimethylbenzene	1.421	1.433	-0.8	88	0.00
77	t-1,4-Dichloro-2-butene	0.173	0.170	1.7	82	0.00
78	4-Chlorotoluene	1.134	1.166	-2.8	88	0.00
79	tert-butylbenzene	1.235	1.223	1.0	87	0.00
80	1,2,4-Trimethylbenzene	1.378	1.383	-0.4	88	0.00
81	sec-Butylbenzene	1.577	1.621	-2.8	89	0.00
82	p-Isopropyltoluene	1.389	1.399	-0.7	88	0.00
83 M	1,3-Dichlorobenzene	0.698	0.747	-7.0	93	0.00
84 M	1,4-Dichlorobenzene	0.679	0.776	-14.3	98	0.00
85	n-Butylbenzene	1.133	1.174	-3.6	91	0.00
86 T	Hexachloroethane	0.256	0.253	1.2	85	0.00
87 M	1,2-Dichlorobenzene	0.690	0.745	-8.0	93	0.00
88	1,2-Dibromo-3-Chloropropane	0.113	0.111	1.8	83	0.00
89	1,2,4-Trichlorobenzene	0.441	0.461	-4.5	93	0.00
90	Hexachlorobutadiene	0.239	0.257	-7.5	97	0.00
91 M	Naphthalene	1.341	1.327	1.0	87	0.00
92	1,2,3-Trichlorobenzene	0.432	0.450	-4.2	92	0.00

(#) = Out of Range

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