

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN010419\
 Data File : VN053283.D
 Acq On : 4 Jan 2019 15:46
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 05 00:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	86	0.00
2 M	Dichlorodifluoromethane	1.999	2.090	-4.6	88	0.00
3 M	Chloromethane	2.346	2.370	-1.0	87	0.00
4 M	Vinyl Chloride	2.309	2.290	0.8	85	0.00
5 M	Bromomethane	1.488	1.238	16.8	73	0.00
6 M	Chloroethane	1.330	1.311	1.4	85	0.00
7 M	Trichlorofluoromethane	2.851	2.938	-3.1	89	0.00
8 T	Diethyl Ether	1.059	1.070	-1.0	89	0.00
9	1,1,2-Trichlorotrifluoroeth	1.791	1.844	-3.0	89	0.00
10 M	1,1-Dichloroethene	1.748	1.708	2.3	85	0.00
11	Methyl Iodide	2.560	2.011	21.4	69	0.00
12	Methyl Acetate	1.362	1.535	-12.7	103	0.00
13 M	Acrolein	0.163	0.129	20.9	71	0.00
14 M	Acrylonitrile	0.610	0.682	-11.8	97	0.00
15 M	Acetone	0.130	0.159	-22.3	104	0.00
16 M	Carbon Disulfide	5.377	5.193	3.4	85	0.00
17	Allyl chloride	2.750	2.539	7.7	78	0.00
18 M	Methylene Chloride	2.001	1.990	0.5	87	0.00
19 M	trans-1,2-Dichloroethene	1.847	1.817	1.6	86	0.00
20 T	Diisopropyl ether	5.889	5.968	-1.3	86	0.00
21 M	1,1-Dichloroethane	3.429	3.443	-0.4	87	0.00
22 M	cis-1,2-Dichloroethene	2.081	2.109	-1.3	89	0.00
23 M	tert-Butyl Alcohol	0.103	0.119	-15.5	105	0.00
24 M	Methyl tert-Butyl Ether	4.558	4.746	-4.1	90	0.00
25 M	Chloroform	3.296	3.332	-1.1	87	0.00
26	Cyclohexane	3.198	3.183	0.5	87	0.00
27 s	1,2-Dichloroethane-d4	1.906	1.927	-1.1	85	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
29	1,1-Dichloropropene	0.454	0.462	-1.8	88	0.00
30 M	2-Butanone	0.113	0.132	-16.8	98	0.00
31	2,2-Dichloropropane	0.440	0.374	15.0	73	0.00
32 M	1,1,1-Trichloroethane	0.476	0.489	-2.7	88	0.00
33 M	Carbon Tetrachloride	0.417	0.426	-2.2	88	0.00
34 M	Benzene	1.366	1.388	-1.6	86	0.00
35	Methacrylonitrile	0.146	0.172	-17.8	98	0.00
36 M	1,2-Dichloroethane	0.396	0.413	-4.3	87	0.00
37 M	Trichloroethene	0.370	0.381	-3.0	88	0.00
38	Methylcyclohexane	0.532	0.536	-0.8	88	0.00
39 M	1,2-Dichloropropane	0.357	0.365	-2.2	87	0.00
40	Dibromomethane	0.202	0.215	-6.4	91	0.00
41 M	Bromodichloromethane	0.433	0.443	-2.3	89	0.00
42 M	Vinyl Acetate	0.619	0.661	-6.8	90	0.00
43	Ethyl Acetate	0.253	0.287	-13.4	93	0.00
44	Isopropyl Acetate	0.472	0.519	-10.0	96	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	95	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.238	0.259	-8.8	94	0.00
47	n-amyl Acetate	0.414	0.485	-17.1	104	0.00
48 M	t-1,3-Dichloropropene	0.442	0.435	1.6	86	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.517	0.8	86	0.00
50 M	1,1,2-Trichloroethane	0.289	0.310	-7.3	91	0.00
51	Ethyl methacrylate	0.377	0.403	-6.9	94	0.00
52	1,3-Dichloropropane	0.498	0.531	-6.6	91	0.00
53 M	Dibromochloromethane	0.325	0.339	-4.3	92	0.00
54 M	1,2-Dibromoethane	0.292	0.309	-5.8	90	0.00
55 M	2-Chloroethyl vinyl ether	0.216	0.231	-6.9	91	0.00
56 M	Bromoform	0.222	0.236	-6.3	93	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
58 M	4-Methyl-2-Pentanone	0.286	0.333	-16.4	99	0.00
59 M	2-Hexanone	0.197	0.226	-14.7	97	0.00
60 S	4-Bromofluorobenzene	0.459	0.469	-2.2	89	0.00
61 M	Tetrachloroethene	0.443	0.465	-5.0	90	0.00
62 M	Toluene	1.645	1.680	-2.1	89	0.00
63 S	Toluene-d8	1.352	1.345	0.5	84	0.00
64 M	Chlorobenzene	1.032	1.060	-2.7	90	0.00
65	1,1,1,2-Tetrachloroethane	0.362	0.372	-2.8	90	0.00
66 M	Ethyl Benzene	1.784	1.817	-1.8	89	0.00
67 M	m/p-Xylenes	0.675	0.700	-3.7	91	0.00
68 M	o-Xylene	0.654	0.669	-2.3	89	0.00
69 M	Styrene	1.067	1.109	-3.9	91	0.00
70	Isopropylbenzene	1.720	1.778	-3.4	90	0.00
71 M	1,1,2,2-Tetrachloroethane	0.362	0.393	-8.6	95	0.00
72	1,2,3-Trichloropropane	0.317	0.344	-8.5	91	0.00
73	Bromobenzene	0.442	0.462	-4.5	91	0.00
74	n-propylbenzene	1.948	2.070	-6.3	94	0.00
75	2-Chlorotoluene	1.153	1.211	-5.0	91	0.00
76	1,3,5-Trimethylbenzene	1.365	1.456	-6.7	93	0.00
77	t-1,4-Dichloro-2-butene	0.111	0.108	2.7	89	0.00
78	4-Chlorotoluene	1.174	1.243	-5.9	93	0.00
79	tert-butylbenzene	1.190	1.261	-6.0	93	0.00
80	1,2,4-Trimethylbenzene	1.368	1.472	-7.6	94	0.00
81	sec-Butylbenzene	1.576	1.704	-8.1	96	0.00
82	p-Isopropyltoluene	1.362	1.479	-8.6	95	0.00
83 M	1,3-Dichlorobenzene	0.753	0.821	-9.0	96	0.00
84 M	1,4-Dichlorobenzene	0.734	0.805	-9.7	96	0.00
85	n-Butylbenzene	1.108	1.209	-9.1	97	0.00
86 T	Hexachloroethane	0.217	0.223	-2.8	93	0.00
87 M	1,2-Dichlorobenzene	0.700	0.773	-10.4	94	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.048#	7.7	79	0.00
89	1,2,4-Trichlorobenzene	0.340	0.234	31.2#	63	0.00
90	Hexachlorobutadiene	0.206	0.200	2.9	80	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.721	0.375	48.0#	49	0.00
92	1,2,3-Trichlorobenzene	0.303	0.144	52.5#	44	0.00

(#) = Out of Range

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