

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053351.D
 Acq On : 10 Jan 2019 19:56
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 11 06:44:29 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	89	0.00
2 M	Dichlorodifluoromethane	1.999	1.856	7.2	81	0.00
3 M	Chloromethane	2.346	2.145	8.6	82	0.00
4 M	Vinyl Chloride	2.309	2.093	9.4	80	0.00
5 M	Bromomethane	1.488	1.227	17.5	75	-0.05
6 M	Chloroethane	1.330	1.216	8.6	81	-0.03
7 M	Trichlorofluoromethane	2.851	2.713	4.8	85	-0.01
8 T	Diethyl Ether	1.059	1.049	0.9	90	0.00
9	1,1,2-Trichlorotrifluoroeth	1.791	1.672	6.6	84	0.00
10 M	1,1-Dichloroethene	1.748	1.638	6.3	85	0.00
11	Methyl Iodide	2.560	2.308	9.8	82	0.00
12	Methyl Acetate	1.362	1.521	-11.7	106	0.00
13 M	Acrolein	0.163	0.167	-2.5	95	0.00
14 M	Acrylonitrile	0.610	0.633	-3.8	93	0.00
15 M	Acetone	0.130	0.133	-2.3	90	0.00
16 M	Carbon Disulfide	5.377	4.475	16.8	76	0.00
17	Allyl chloride	2.750	2.606	5.2	82	0.00
18 M	Methylene Chloride	2.001	1.871	6.5	84	0.00
19 M	trans-1,2-Dichloroethene	1.847	1.735	6.1	85	0.00
20 T	Diisopropyl ether	5.889	5.738	2.6	86	0.00
21 M	1,1-Dichloroethane	3.429	3.266	4.8	86	0.00
22 M	cis-1,2-Dichloroethene	2.081	2.010	3.4	88	0.00
23 M	tert-Butyl Alcohol	0.103	0.075	27.2	68	0.02
24 M	Methyl tert-Butyl Ether	4.558	4.617	-1.3	91	0.00
25 M	Chloroform	3.296	3.157	4.2	86	0.00
26	Cyclohexane	3.198	3.003	6.1	85	0.00
27 s	1,2-Dichloroethane-d4	1.906	1.926	-1.0	89	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29	1,1-Dichloropropene	0.454	0.425	6.4	84	0.00
30 M	2-Butanone	0.113	0.119	-5.3	91	0.00
31	2,2-Dichloropropane	0.440	0.372	15.5	75	0.00
32 M	1,1,1-Trichloroethane	0.476	0.459	3.6	85	0.00
33 M	Carbon Tetrachloride	0.417	0.387	7.2	83	0.00
34 M	Benzene	1.366	1.313	3.9	84	0.00
35	Methacrylonitrile	0.146	0.120	17.8	71	0.00
36 M	1,2-Dichloroethane	0.396	0.397	-0.3	87	0.00
37 M	Trichloroethene	0.370	0.355	4.1	85	0.00
38	Methylcyclohexane	0.532	0.513	3.6	87	0.00
39 M	1,2-Dichloropropane	0.357	0.346	3.1	86	0.00
40	Dibromomethane	0.202	0.200	1.0	88	0.00
41 M	Bromodichloromethane	0.433	0.408	5.8	84	0.00
42 M	Vinyl Acetate	0.619	0.635	-2.6	89	0.00
43	Ethyl Acetate	0.253	0.269	-6.3	91	0.00
44	Isopropyl Acetate	0.472	0.517	-9.5	99	0.00
45 T	1,4-Dioxane	0.003	0.002#	33.3#	46	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.238	0.248	-4.2	93	0.00
47	n-amyl Acetate	0.414	0.420	-1.4	94	0.00
48 M	t-1,3-Dichloropropene	0.442	0.413	6.6	85	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.482	7.5	83	0.00
50 M	1,1,2-Trichloroethane	0.289	0.293	-1.4	89	0.00
51	Ethyl methacrylate	0.377	0.385	-2.1	93	0.00
52	1,3-Dichloropropane	0.498	0.500	-0.4	89	0.00
53 M	Dibromochloromethane	0.325	0.303	6.8	85	0.00
54 M	1,2-Dibromoethane	0.292	0.289	1.0	88	0.00
55 M	2-Chloroethyl vinyl ether	0.216	0.217	-0.5	88	0.00
56 M	Bromoform	0.222	0.205	7.7	84	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	0.286	0.314	-9.8	94	0.00
59 M	2-Hexanone	0.197	0.206	-4.6	90	0.00
60 S	4-Bromofluorobenzene	0.459	0.452	1.5	87	0.00
61 M	Tetrachloroethene	0.443	0.438	1.1	86	0.00
62 M	Toluene	1.645	1.591	3.3	85	0.00
63 S	Toluene-d8	1.352	1.338	1.0	85	0.00
64 M	Chlorobenzene	1.032	0.997	3.4	86	0.00
65	1,1,1,2-Tetrachloroethane	0.362	0.350	3.3	86	0.00
66 M	Ethyl Benzene	1.784	1.698	4.8	85	0.00
67 M	m/p-Xylenes	0.675	0.651	3.6	85	0.00
68 M	o-Xylene	0.654	0.638	2.4	86	0.00
69 M	Styrene	1.067	1.036	2.9	86	0.00
70	Isopropylbenzene	1.720	1.686	2.0	87	0.00
71 M	1,1,2,2-Tetrachloroethane	0.362	0.375	-3.6	92	0.00
72	1,2,3-Trichloropropane	0.317	0.328	-3.5	88	0.00
73	Bromobenzene	0.442	0.430	2.7	86	0.00
74	n-propylbenzene	1.948	1.924	1.2	88	0.00
75	2-Chlorotoluene	1.153	1.120	2.9	85	0.00
76	1,3,5-Trimethylbenzene	1.365	1.364	0.1	88	0.00
77	t-1,4-Dichloro-2-butene	0.111	0.102	8.1	85	0.00
78	4-Chlorotoluene	1.174	1.129	3.8	85	0.00
79	tert-butylbenzene	1.190	1.202	-1.0	90	0.00
80	1,2,4-Trimethylbenzene	1.368	1.366	0.1	88	0.00
81	sec-Butylbenzene	1.576	1.639	-4.0	93	0.00
82	p-Isopropyltoluene	1.362	1.395	-2.4	91	0.00
83 M	1,3-Dichlorobenzene	0.753	0.725	3.7	86	0.00
84 M	1,4-Dichlorobenzene	0.734	0.692	5.7	84	0.00
85	n-Butylbenzene	1.108	1.102	0.5	90	0.00
86 T	Hexachloroethane	0.217	0.193	11.1	82	0.00
87 M	1,2-Dichlorobenzene	0.700	0.657	6.1	81	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.047#	9.6	78	0.00
89	1,2,4-Trichlorobenzene	0.340	0.256	24.7	70	0.00
90	Hexachlorobutadiene	0.206	0.187	9.2	76	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.721	0.507	29.7	67	0.00
92	1,2,3-Trichlorobenzene	0.303	0.199	34.3#	61	0.00

(#) = Out of Range

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