

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051967.D
 Acq On : 23 Oct 2018 16:40
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 24 07:33:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 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	117	0.00
2 M	Dichlorodifluoromethane	1.166	1.277	-9.5	129	0.00
3 M	Chloromethane	1.232	1.129	8.4	104	0.00
4 M	Vinyl Chloride	1.840	1.442	21.6	87	0.00
5 M	Bromomethane	1.625	1.476	9.2	106	0.01
6 M	Chloroethane	1.326	1.074	19.0	89	0.01
7 M	Trichlorofluoromethane	2.623	2.665	-1.6	127	0.02
8 T	Diethyl Ether	0.763	0.776	-1.7	115	0.00
9	1,1,2-Trichlorotrifluoroeth	1.494	1.562	-4.6	118	0.00
10 M	1,1-Dichloroethene	1.381	1.448	-4.9	118	0.00
11	Methyl Iodide	2.008	2.327	-15.9	139	0.00
12	Methyl Acetate	0.858	0.832	3.0	108	0.00
13 M	Acrolein	0.057	0.022#	61.4#	46	0.00
14 M	Acrylonitrile	0.383	0.372	2.9	112	0.00
15 M	Acetone	0.095	0.092	3.2	107	0.00
16 M	Carbon Disulfide	3.627	3.328	8.2	108	0.00
17	Allyl chloride	1.640	1.387	15.4	94	0.00
18 M	Methylene Chloride	1.544	1.652	-7.0	121	0.00
19 M	trans-1,2-Dichloroethene	1.577	1.603	-1.6	115	0.00
20 T	Diisopropyl ether	3.652	3.475	4.8	107	0.00
21 M	1,1-Dichloroethane	2.552	2.531	0.8	111	0.00
22 M	cis-1,2-Dichloroethene	1.852	1.904	-2.8	119	0.00
23 M	tert-Butyl Alcohol	0.101	0.082	18.8	95	0.00
24 M	Methyl tert-Butyl Ether	3.979	3.796	4.6	109	0.00
25 M	Chloroform	3.027	3.096	-2.3	116	0.00
26	Cyclohexane	2.163	2.007	7.2	105	0.00
27 s	1,2-Dichloroethane-d4	1.825	1.796	1.6	109	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
29	1,1-Dichloropropene	0.387	0.388	-0.3	116	0.00
30 M	2-Butanone	0.081	0.072	11.1	102	0.00
31	2,2-Dichloropropane	0.455	0.425	6.6	106	0.00
32 M	1,1,1-Trichloroethane	0.513	0.507	1.2	116	0.00
33 M	Carbon Tetrachloride	0.464	0.441	5.0	111	0.00
34 M	Benzene	1.144	1.156	-1.0	116	0.00
35	Methacrylonitrile	0.106	0.076	28.3	86	-0.02
36 M	1,2-Dichloroethane	0.367	0.366	0.3	115	0.00
37 M	Trichloroethene	0.355	0.369	-3.9	120	0.00
38	Methylcyclohexane	0.496	0.458	7.7	107	0.00
39 M	1,2-Dichloropropane	0.269	0.262	2.6	110	0.00
40	Dibromomethane	0.200	0.203	-1.5	120	0.00
41 M	Bromodichloromethane	0.413	0.400	3.1	113	0.00
42 M	Vinyl Acetate	0.455	0.412	9.5	104	0.00
43	Ethyl Acetate	0.176	0.144	18.2	92	0.00
44	Isopropyl Acetate	0.351	0.306	12.8	99	0.00
45 T	1,4-Dioxane	0.003	0.003#	0.0	115	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.162	0.149	8.0	105	0.00
47	n-amyl Acetate	0.293	0.280	4.4	119	0.00
48 M	t-1,3-Dichloropropene	0.403	0.362	10.2	109	0.00
49 T	cis-1,3-Dichloropropene	0.444	0.424	4.5	112	0.00
50 M	1,1,2-Trichloroethane	0.276	0.286	-3.6	119	0.00
51	Ethyl methacrylate	0.316	0.298	5.7	111	0.00
52	1,3-Dichloropropane	0.426	0.430	-0.9	116	0.00
53 M	Dibromochloromethane	0.342	0.316	7.6	114	0.00
54 M	1,2-Dibromoethane	0.290	0.287	1.0	119	0.00
55 M	2-Chloroethyl vinyl ether	0.135	0.157	-16.3	136	0.00
56 M	Bromoform	0.225	0.185	17.8	110	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	119	0.00
58 M	4-Methyl-2-Pentanone	0.201	0.183	9.0	107	0.00
59 M	2-Hexanone	0.135	0.124	8.1	111	0.00
60 S	4-Bromofluorobenzene	0.433	0.430	0.7	122	0.00
61 M	Tetrachloroethene	0.384	0.377	1.8	115	0.00
62 M	Toluene	1.490	1.499	-0.6	119	0.00
63 S	Toluene-d8	1.303	1.282	1.6	114	0.00
64 M	Chlorobenzene	0.976	1.009	-3.4	125	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.361	3.7	115	0.00
66 M	Ethyl Benzene	1.647	1.633	0.9	118	0.00
67 M	m/p-Xylenes	0.668	0.661	1.0	119	0.00
68 M	o-Xylene	0.658	0.653	0.8	120	0.00
69 M	Styrene	1.010	1.029	-1.9	128	0.00
70	Isopropylbenzene	1.756	1.736	1.1	120	0.00
71 M	1,1,2,2-Tetrachloroethane	0.347	0.346	0.3	120	0.00
72	1,2,3-Trichloropropane	0.273	0.268	1.8	123	0.00
73	Bromobenzene	0.435	0.462	-6.2	134	0.00
74	n-propylbenzene	1.888	1.856	1.7	121	0.00
75	2-Chlorotoluene	1.107	1.092	1.4	120	0.00
76	1,3,5-Trimethylbenzene	1.452	1.411	2.8	119	0.00
77	t-1,4-Dichloro-2-butene	0.090	0.069	23.3	103	0.00
78	4-Chlorotoluene	1.088	1.123	-3.2	128	0.00
79	tert-butylbenzene	1.335	1.303	2.4	119	0.00
80	1,2,4-Trimethylbenzene	1.451	1.450	0.1	122	0.00
81	sec-Butylbenzene	1.746	1.715	1.8	120	0.00
82	p-Isopropyltoluene	1.563	1.553	0.6	125	0.00
83 M	1,3-Dichlorobenzene	0.767	0.839	-9.4	142	0.00
84 M	1,4-Dichlorobenzene	0.722	0.828	-14.7	152#	0.00
85	n-Butylbenzene	1.178	1.201	-2.0	129	0.00
86 T	Hexachloroethane	0.269	0.219	18.6	105	0.00
87 M	1,2-Dichlorobenzene	0.743	0.803	-8.1	138	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.049#	5.8	120	0.00
89	1,2,4-Trichlorobenzene	0.346	0.455	-31.5#	197#	0.00
90	Hexachlorobutadiene	0.239	0.243	-1.7	125	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.704	0.994	-41.2#	225#	0.00
92	1,2,3-Trichlorobenzene	0.338	0.433	-28.1	181#	0.00

(#) = Out of Range

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