

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102518\
 Data File : VN052017.D
 Acq On : 25 Oct 2018 18:17
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 26 02:34:16 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	130	0.00
2 M	Dichlorodifluoromethane	1.166	1.254	-7.5	142	0.00
3 M	Chloromethane	1.232	1.164	5.5	119	0.00
4 M	Vinyl Chloride	1.840	1.420	22.8	95	0.00
5 M	Bromomethane	1.625	1.418	12.7	114	0.00
6 M	Chloroethane	1.326	1.050	20.8	97	0.01
7 M	Trichlorofluoromethane	2.623	2.723	-3.8	145	0.01
8 T	Diethyl Ether	0.763	0.792	-3.8	131	0.00
9	1,1,2-Trichlorotrifluoroeth	1.494	1.654	-10.7	139	0.00
10 M	1,1-Dichloroethene	1.381	1.491	-8.0	135	0.00
11	Methyl Iodide	2.008	2.649	-31.9#	177#	0.00
12	Methyl Acetate	0.858	0.887	-3.4	129	0.00
13 M	Acrolein	0.057	0.022#	61.4#	52	0.00
14 M	Acrylonitrile	0.383	0.386	-0.8	129	0.00
15 M	Acetone	0.095	0.086	9.5	112	0.00
16 M	Carbon Disulfide	3.627	3.289	9.3	119	0.00
17	Allyl chloride	1.640	1.387	15.4	105	0.00
18 M	Methylene Chloride	1.544	1.705	-10.4	139	0.00
19 M	trans-1,2-Dichloroethene	1.577	1.674	-6.2	134	0.00
20 T	Diisopropyl ether	3.652	3.612	1.1	124	0.00
21 M	1,1-Dichloroethane	2.552	2.663	-4.3	130	0.00
22 M	cis-1,2-Dichloroethene	1.852	2.044	-10.4	143	0.00
23 M	tert-Butyl Alcohol	0.101	0.065	35.6#	84	-0.02
24 M	Methyl tert-Butyl Ether	3.979	3.863	2.9	124	0.00
25 M	Chloroform	3.027	3.241	-7.1	135	0.00
26	Cyclohexane	2.163	1.992	7.9	116	0.00
27 s	1,2-Dichloroethane-d4	1.825	1.657	9.2	112	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	126	0.00
29	1,1-Dichloropropene	0.387	0.405	-4.7	132	0.00
30 M	2-Butanone	0.081	0.072	11.1	111	0.00
31	2,2-Dichloropropane	0.455	0.426	6.4	117	0.00
32 M	1,1,1-Trichloroethane	0.513	0.535	-4.3	133	0.00
33 M	Carbon Tetrachloride	0.464	0.476	-2.6	130	0.00
34 M	Benzene	1.144	1.232	-7.7	135	0.00
35	Methacrylonitrile	0.106	0.076	28.3	93	-0.02
36 M	1,2-Dichloroethane	0.367	0.385	-4.9	132	0.00
37 M	Trichloroethene	0.355	0.399	-12.4	142	0.00
38	Methylcyclohexane	0.496	0.476	4.0	121	0.00
39 M	1,2-Dichloropropane	0.269	0.282	-4.8	129	0.00
40	Dibromomethane	0.200	0.216	-8.0	139	0.00
41 M	Bromodichloromethane	0.413	0.424	-2.7	130	0.00
42 M	Vinyl Acetate	0.455	0.429	5.7	118	0.00
43	Ethyl Acetate	0.176	0.169	4.0	117	0.00
44	Isopropyl Acetate	0.351	0.321	8.5	113	0.00
45 T	1,4-Dioxane	0.003	0.002#	33.3#	86	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.162	0.151	6.8	117	0.00
47	n-amyl Acetate	0.293	0.280	4.4	130	0.00
48 M	t-1,3-Dichloropropene	0.403	0.373	7.4	122	0.00
49 T	cis-1,3-Dichloropropene	0.444	0.442	0.5	128	0.00
50 M	1,1,2-Trichloroethane	0.276	0.302	-9.4	138	0.00
51	Ethyl methacrylate	0.316	0.305	3.5	124	0.00
52	1,3-Dichloropropane	0.426	0.457	-7.3	135	0.00
53 M	Dibromochloromethane	0.342	0.342	0.0	135	0.00
54 M	1,2-Dibromoethane	0.290	0.316	-9.0	143	0.00
55 M	2-Chloroethyl vinyl ether	0.135	0.156	-15.6	147	0.00
56 M	Bromoform	0.225	0.207	8.0	134	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	128	0.00
58 M	4-Methyl-2-Pentanone	0.201	0.190	5.5	119	0.00
59 M	2-Hexanone	0.135	0.123	8.9	118	0.00
60 S	4-Bromofluorobenzene	0.433	0.405	6.5	124	0.00
61 M	Tetrachloroethene	0.384	0.430	-12.0	142	0.00
62 M	Toluene	1.490	1.634	-9.7	140	0.00
63 S	Toluene-d8	1.303	1.254	3.8	121	0.00
64 M	Chlorobenzene	0.976	1.100	-12.7	148	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.406	-8.3	140	0.00
66 M	Ethyl Benzene	1.647	1.760	-6.9	137	0.00
67 M	m/p-Xylenes	0.668	0.723	-8.2	141	0.00
68 M	o-Xylene	0.658	0.692	-5.2	137	0.00
69 M	Styrene	1.010	1.103	-9.2	149	0.00
70	Isopropylbenzene	1.756	1.866	-6.3	140	0.00
71 M	1,1,2,2-Tetrachloroethane	0.347	0.331	4.6	124	0.00
72	1,2,3-Trichloropropane	0.273	0.280	-2.6	138	0.00
73	Bromobenzene	0.435	0.512	-17.7	161#	0.00
74	n-propylbenzene	1.888	1.959	-3.8	138	0.00
75	2-Chlorotoluene	1.107	1.153	-4.2	137	0.00
76	1,3,5-Trimethylbenzene	1.452	1.486	-2.3	136	0.00
77	t-1,4-Dichloro-2-butene	0.090	0.069	23.3	112	0.00
78	4-Chlorotoluene	1.088	1.137	-4.5	140	0.00
79	tert-butylbenzene	1.335	1.380	-3.4	136	0.00
80	1,2,4-Trimethylbenzene	1.451	1.493	-2.9	136	0.00
81	sec-Butylbenzene	1.746	1.767	-1.2	133	0.00
82	p-Isopropyltoluene	1.563	1.594	-2.0	139	0.00
83 M	1,3-Dichlorobenzene	0.767	0.868	-13.2	159#	0.00
84 M	1,4-Dichlorobenzene	0.722	0.850	-17.7	169#	0.00
85	n-Butylbenzene	1.178	1.162	1.4	135	0.00
86 T	Hexachloroethane	0.269	0.225	16.4	117	0.00
87 M	1,2-Dichlorobenzene	0.743	0.814	-9.6	152#	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.037#	28.8	98	0.00
89	1,2,4-Trichlorobenzene	0.346	0.312	9.8	146	0.00
90	Hexachlorobutadiene	0.239	0.201	15.9	111	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.704	0.581	17.5	142	0.00
92	1,2,3-Trichlorobenzene	0.338	0.251	25.7	113	0.00

(#) = Out of Range

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