

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN102518\
 Data File : VN052012.D
 Acq On : 25 Oct 2018 15:21
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Oct 26 02:17:21 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	128	0.00
2 M	Dichlorodifluoromethane	1.166	1.251	-7.3	139	0.00
3 M	Chloromethane	1.232	1.121	9.0	113	0.00
4 M	Vinyl Chloride	1.840	1.396	24.1	92	0.00
5 M	Bromomethane	1.625	1.349	17.0	106	0.00
6 M	Chloroethane	1.326	1.054	20.5	96	0.00
7 M	Trichlorofluoromethane	2.623	2.691	-2.6	140	0.01
8 T	Diethyl Ether	0.763	0.795	-4.2	129	0.00
9	1,1,2-Trichlorotrifluoroeth	1.494	1.656	-10.8	137	0.00
10 M	1,1-Dichloroethene	1.381	1.485	-7.5	132	0.00
11	Methyl Iodide	2.008	2.414	-20.2	158#	0.00
12	Methyl Acetate	0.858	0.860	-0.2	122	0.00
13 M	Acrolein	0.057	0.029#	49.1#	66	0.00
14 M	Acrylonitrile	0.383	0.377	1.6	124	0.00
15 M	Acetone	0.095	0.095	0.0	120	0.00
16 M	Carbon Disulfide	3.627	3.104	14.4	110	0.00
17	Allyl chloride	1.640	1.357	17.3	100	0.00
18 M	Methylene Chloride	1.544	1.625	-5.2	130	0.00
19 M	trans-1,2-Dichloroethene	1.577	1.680	-6.5	132	0.00
20 T	Diisopropyl ether	3.652	3.529	3.4	119	0.00
21 M	1,1-Dichloroethane	2.552	2.596	-1.7	125	0.00
22 M	cis-1,2-Dichloroethene	1.852	1.974	-6.6	135	0.00
23 M	tert-Butyl Alcohol	0.101	0.058	42.6#	73	0.00
24 M	Methyl tert-Butyl Ether	3.979	3.799	4.5	120	0.00
25 M	Chloroform	3.027	3.156	-4.3	129	0.00
26	Cyclohexane	2.163	2.017	6.7	115	0.00
27 s	1,2-Dichloroethane-d4	1.825	1.727	5.4	115	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	128	0.00
29	1,1-Dichloropropene	0.387	0.378	2.3	125	0.00
30 M	2-Butanone	0.081	0.073	9.9	114	0.00
31	2,2-Dichloropropane	0.455	0.404	11.2	112	0.00
32 M	1,1,1-Trichloroethane	0.513	0.509	0.8	128	0.00
33 M	Carbon Tetrachloride	0.464	0.447	3.7	124	0.00
34 M	Benzene	1.144	1.169	-2.2	129	0.00
35	Methacrylonitrile	0.106	0.072	32.1#	90	-0.02
36 M	1,2-Dichloroethane	0.367	0.371	-1.1	129	0.00
37 M	Trichloroethene	0.355	0.369	-3.9	133	0.00
38	Methylcyclohexane	0.496	0.462	6.9	119	0.00
39 M	1,2-Dichloropropane	0.269	0.268	0.4	124	0.00
40	Dibromomethane	0.200	0.207	-3.5	135	0.00
41 M	Bromodichloromethane	0.413	0.390	5.6	121	0.00
42 M	Vinyl Acetate	0.455	0.405	11.0	113	0.00
43	Ethyl Acetate	0.176	0.160	9.1	112	0.00
44	Isopropyl Acetate	0.351	0.317	9.7	113	0.00
45 T	1,4-Dioxane	0.003	0.002#	33.3#	82	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.162	0.150	7.4	117	0.00
47	n-amyl Acetate	0.293	0.279	4.8	131	0.00
48 M	t-1,3-Dichloropropene	0.403	0.356	11.7	118	0.00
49 T	cis-1,3-Dichloropropene	0.444	0.415	6.5	121	0.00
50 M	1,1,2-Trichloroethane	0.276	0.286	-3.6	132	0.00
51	Ethyl methacrylate	0.316	0.295	6.6	121	0.00
52	1,3-Dichloropropane	0.426	0.429	-0.7	128	0.00
53 M	Dibromochloromethane	0.342	0.323	5.6	129	0.00
54 M	1,2-Dibromoethane	0.290	0.296	-2.1	136	0.00
55 M	2-Chloroethyl vinyl ether	0.135	0.154	-14.1	147	0.00
56 M	Bromoform	0.225	0.191	15.1	125	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	127	0.00
58 M	4-Methyl-2-Pentanone	0.201	0.184	8.5	115	0.00
59 M	2-Hexanone	0.135	0.124	8.1	118	0.00
60 S	4-Bromofluorobenzene	0.433	0.416	3.9	126	0.00
61 M	Tetrachloroethene	0.384	0.402	-4.7	131	0.00
62 M	Toluene	1.490	1.559	-4.6	133	0.00
63 S	Toluene-d8	1.303	1.275	2.1	122	0.00
64 M	Chlorobenzene	0.976	1.065	-9.1	142	0.00
65	1,1,1,2-Tetrachloroethane	0.375	0.388	-3.5	133	0.00
66 M	Ethyl Benzene	1.647	1.675	-1.7	129	0.00
67 M	m/p-Xylenes	0.668	0.684	-2.4	132	0.00
68 M	o-Xylene	0.658	0.666	-1.2	131	0.00
69 M	Styrene	1.010	1.055	-4.5	141	0.00
70	Isopropylbenzene	1.756	1.782	-1.5	132	0.00
71 M	1,1,2,2-Tetrachloroethane	0.347	0.324	6.6	120	0.00
72	1,2,3-Trichloropropane	0.273	0.277	-1.5	136	0.00
73	Bromobenzene	0.435	0.487	-12.0	152#	0.00
74	n-propylbenzene	1.888	1.877	0.6	131	0.00
75	2-Chlorotoluene	1.107	1.107	0.0	130	0.00
76	1,3,5-Trimethylbenzene	1.452	1.430	1.5	129	0.00
77	t-1,4-Dichloro-2-butene	0.090	0.067	25.6	108	0.00
78	4-Chlorotoluene	1.088	1.106	-1.7	135	0.00
79	tert-butylbenzene	1.335	1.314	1.6	128	0.00
80	1,2,4-Trimethylbenzene	1.451	1.445	0.4	131	0.00
81	sec-Butylbenzene	1.746	1.721	1.4	129	0.00
82	p-Isopropyltoluene	1.563	1.537	1.7	133	0.00
83 M	1,3-Dichlorobenzene	0.767	0.839	-9.4	152#	0.00
84 M	1,4-Dichlorobenzene	0.722	0.800	-10.8	157#	0.00
85	n-Butylbenzene	1.178	1.123	4.7	130	0.00
86 T	Hexachloroethane	0.269	0.215	20.1	111	0.00
87 M	1,2-Dichlorobenzene	0.743	0.779	-4.8	144	0.00
88	1,2-Dibromo-3-Chloropropane	0.052	0.034#	34.6#	88	0.00
89	1,2,4-Trichlorobenzene	0.346	0.281	18.8	130	0.00
90	Hexachlorobutadiene	0.239	0.191	20.1	105	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	0.704	0.495	29.7	120	0.00
92	1,2,3-Trichlorobenzene	0.338	0.223	34.0#	100	0.00

(#) = Out of Range

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