

Data Path : W:\HPCHEM1\MSVOA X\Data\VX022218\
 Data File : VX000128.D
 Acq On : 22 Feb 2018 13:18
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 LabSampled :
 VSTDCCC020

Quant Time: Feb 23 15:06:47 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 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	154#	0.00
2 M	Dichlorodifluoromethane	1.862	1.875	-0.7	159#	0.00
3 M	Chloromethane	1.866	1.909	-2.3	156#	0.00
4 M	Vinyl Chloride	2.220	2.079	6.4	144	0.00
5 M	Bromomethane	2.046	1.740	15.0	134	0.00
6 M	Chloroethane	1.421	1.306	8.1	144	0.00
7 M	Trichlorofluoromethane	3.846	3.629	5.6	148	0.00
8 T	Diethyl Ether	1.343	1.329	1.0	148	0.00
9	1,1,2-Trichlorotrifluoroeth	2.099	2.014	4.0	148	0.00
10 M	1,1-Dichloroethene	2.005	1.867	6.9	143	0.00
11	Methyl Iodide	1.948	2.035	-4.5	194#	0.00
12	Methyl Acetate	3.582	3.786	-5.7	163#	0.00
13 M	Acrolein	0.431	0.343	20.4	129	0.00
14 M	Acrylonitrile	1.552	1.594	-2.7	158#	0.00
15 M	Acetone	0.506	0.518	-2.4	150#	0.00
16 M	Carbon Disulfide	5.733	4.959	13.5	135	0.00
17	Allyl chloride	3.418	3.350	2.0	153#	0.00
18 M	Methylene Chloride	2.184	2.137	2.2	154#	0.00
19 M	trans-1,2-Dichloroethene	2.181	2.001	8.3	143	0.00
20 T	Diisopropyl ether	5.396	6.195	-14.8	185#	-0.01
21 M	1,1-Dichloroethane	3.557	3.556	0.0	149	0.00
22 M	cis-1,2-Dichloroethene	2.026	1.916	5.4	147	-0.01
23 M	tert-Butyl Alcohol	0.887	0.921	-3.8	156#	-0.02
24 M	Methyl tert-Butyl Ether	6.907	6.963	-0.8	156#	0.00
25 M	Chloroform	3.527	3.397	3.7	150#	0.00
26	Cyclohexane	2.789	2.746	1.5	154#	0.00
27 s	1,2-Dichloroethane-d4	2.322	2.456	-5.8	164#	-0.01
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	151#	0.00
29	1,1-Dichloropropene	0.437	0.444	-1.6	155#	0.00
30 M	2-Butanone	0.336	0.370	-10.1	162#	0.00
31	2,2-Dichloropropane	0.470	0.448	4.7	145	-0.01
32 M	1,1,1-Trichloroethane	0.529	0.517	2.3	148	0.00
33 M	Carbon Tetrachloride	0.469	0.442	5.8	144	0.00
34 M	Benzene	1.257	1.269	-1.0	152#	0.00
35	Methacrylonitrile	0.310	0.326	-5.2	160#	0.00
36 M	1,2-Dichloroethane	0.477	0.497	-4.2	158#	0.00
37 M	Trichloroethene	0.372	0.364	2.2	147	0.00
38	Methylcyclohexane	0.524	0.541	-3.2	161#	0.00
39 M	1,2-Dichloropropane	0.314	0.326	-3.8	154#	0.00
40	Dibromomethane	0.242	0.256	-5.8	161#	0.00
41 M	Bromodichloromethane	0.460	0.458	0.4	150	0.00
42 M	Vinyl Acetate	0.857	1.034	-20.7	188#	0.00
43	Ethyl Acetate	0.591	0.614	-3.9	154#	0.00
44	Isopropyl Acetate	0.867	0.927	-6.9	162#	0.00
45 T	1,4-Dioxane	0.011	0.011#	0.0	159#	0.00

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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.422	0.442	-4.7	159#	0.00
47	n-amyl Acetate	0.757	0.795	-5.0	162#	0.00
48 M	t-1,3-Dichloropropene	0.535	0.551	-3.0	153#	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.542	-4.0	156#	0.00
50 M	1,1,2-Trichloroethane	0.355	0.382	-7.6	167#	0.00
51	Ethyl methacrylate	0.544	0.541	0.6	155#	0.00
52	1,3-Dichloropropane	0.569	0.611	-7.4	160#	0.00
53 M	Dibromochloromethane	0.395	0.395	0.0	152#	0.00
54 M	1,2-Dibromoethane	0.396	0.403	-1.8	155#	0.00
55 M	2-Chloroethyl vinyl ether	0.238	0.276	-16.0	155#	0.00
56 M	Bromoform	0.320	0.304	5.0	147	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	161#	0.00
58 M	4-Methyl-2-Pentanone	0.657	0.701	-6.7	167#	0.00
59 M	2-Hexanone	0.556	0.594	-6.8	166#	0.00
60 S	4-Bromofluorobenzene	0.491	0.490	0.2	161#	0.00
61 M	Tetrachloroethene	0.364	0.331	9.1	146	0.00
62 M	Toluene	1.561	1.498	4.0	153#	0.00
63 S	Toluene-d8	1.285	1.260	1.9	157#	0.00
64 M	Chlorobenzene	1.055	1.031	2.3	157#	0.00
65	1,1,1,2-Tetrachloroethane	0.374	0.352	5.9	151#	0.00
66 M	Ethyl Benzene	1.782	1.749	1.9	155#	0.00
67 M	m/p-Xylenes	0.698	0.676	3.2	156#	0.00
68 M	o-Xylene	0.678	0.651	4.0	152#	0.00
69 M	Styrene	1.124	1.091	2.9	155#	0.00
70	Isopropylbenzene	1.834	1.766	3.7	153#	0.00
71 M	1,1,2,2-Tetrachloroethane	0.631	0.631	0.0	159#	0.00
72	1,2,3-Trichloropropane	0.566	0.611	-8.0	167#	0.00
73	Bromobenzene	0.481	0.454	5.6	153#	0.00
74	n-propylbenzene	2.150	2.150	0.0	159#	0.00
75	2-Chlorotoluene	1.236	1.197	3.2	152#	0.00
76	1,3,5-Trimethylbenzene	1.554	1.520	2.2	156#	0.00
77	t-1,4-Dichloro-2-butene	0.200	0.195	2.5	153#	0.00
78	4-Chlorotoluene	1.481	1.451	2.0	156#	0.00
79	tert-butylbenzene	1.547	1.688	-9.1	173#	0.29
80	1,2,4-Trimethylbenzene	1.585	1.599	-0.9	159#	0.00
81	sec-Butylbenzene	1.912	1.925	-0.7	159#	0.00
82	p-Isopropyltoluene	1.706	1.688	1.1	156#	0.00
83 M	1,3-Dichlorobenzene	0.915	0.885	3.3	154#	0.00
84 M	1,4-Dichlorobenzene	0.954	0.902	5.5	153#	0.00
85	n-Butylbenzene	1.600	1.637	-2.3	162#	0.00
86 T	Hexachloroethane	0.285	0.258	9.5	146	0.00
87 M	1,2-Dichlorobenzene	0.907	0.883	2.6	154#	0.00
88	1,2-Dibromo-3-Chloropropane	0.176	0.182	-3.4	164#	0.00
89	1,2,4-Trichlorobenzene	0.666	0.647	2.9	157#	0.00
90	Hexachlorobutadiene	0.287	0.274	4.5	160#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	2.328	2.315	0.6	157#	0.00
92	1,2,3-Trichlorobenzene	0.670	0.636	5.1	152#	0.00

(#) = Out of Range

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