

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001819.D
 Acq On : 18 May 2018 10:29
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 18 14:13:38 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 10:06:03 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	99	0.00
2 M	Dichlorodifluoromethane	0.827	1.413	-70.9#	168#	0.00
3 M	Chloromethane	1.577	1.670	-5.9	107	0.00
4 M	Vinyl Chloride	1.370	1.616	-18.0	118	0.00
5 M	Bromomethane	0.899	1.005	-11.8	105	0.00
6 M	Chloroethane	1.018	1.113	-9.3	111	0.00
7 M	Trichlorofluoromethane	1.529	2.280	-49.1#	148	0.00
8 T	Diethyl Ether	1.074	1.060	1.3	100	0.00
9	1,1,2-Trichlorotrifluoroeth	0.864	1.411	-63.3#	167#	0.00
10 M	1,1-Dichloroethene	1.058	1.320	-24.8	127	0.00
11	Methyl Iodide	1.673	1.729	-3.3	107	0.00
12	Methyl Acetate	2.572	2.521	2.0	98	0.00
13 M	Acrolein	0.307	0.276	10.1	93	0.00
14 M	Acrylonitrile	0.979	0.941	3.9	97	0.00
15 M	Acetone	0.267	0.260	2.6	98	0.00
16 M	Carbon Disulfide	2.647	3.180	-20.1	125	0.00
17	Allyl chloride	2.366	2.432	-2.8	105	0.00
18 M	Methylene Chloride	1.628	1.628	0.0	102	0.00
19 M	trans-1,2-Dichloroethene	1.305	1.457	-11.6	113	0.00
20 T	Diisopropyl ether	5.150	5.188	-0.7	102	0.00
21 M	1,1-Dichloroethane	2.637	2.769	-5.0	106	0.00
22 M	cis-1,2-Dichloroethene	1.694	1.773	-4.7	106	0.00
23 M	tert-Butyl Alcohol	0.407	0.402	1.2	101	0.00
24 M	Methyl tert-Butyl Ether	5.038	4.959	1.6	99	0.00
25 M	Chloroform	2.810	2.926	-4.1	105	0.00
26	Cyclohexane	1.436	2.406	-67.5#	167#	0.00
27 s	1,2-Dichloroethane-d4	1.939	1.920	1.0	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
29	1,1-Dichloropropene	0.340	0.398	-17.1	136	0.00
30 M	2-Butanone	0.307	0.262	14.7	98	0.00
31	2,2-Dichloropropane	0.215	0.166	22.8	92	0.00
32 M	1,1,1-Trichloroethane	0.451	0.477	-5.8	124	0.00
33 M	Carbon Tetrachloride	0.360	0.424	-17.8	137	0.00
34 M	Benzene	1.359	1.313	3.4	112	0.00
35	Methacrylonitrile	0.327	0.280	14.4	99	0.00
36 M	1,2-Dichloroethane	0.531	0.475	10.5	102	0.00
37 M	Trichloroethene	0.372	0.389	-4.6	123	0.00
38	Methylcyclohexane	0.314	0.481	-53.2#	177#	0.00
39 M	1,2-Dichloropropane	0.362	0.327	9.7	106	0.00
40	Dibromomethane	0.260	0.232	10.8	103	0.00
41 M	Bromodichloromethane	0.457	0.412	9.8	105	0.00
42 M	Vinyl Acetate	0.832	0.692	16.8	101	0.00
43	Ethyl Acetate	0.585	0.503	14.0	100	0.00
44	Isopropyl Acetate	0.848	0.743	12.4	101	0.00
45 T	1,4-Dioxane	0.010	0.009#	10.0	106	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.446	0.390	12.6	100	0.00
47	n-amyl Acetate	0.587	0.527	10.2	103	0.00
48 M	t-1,3-Dichloropropene	0.481	0.429	10.8	104	0.00
49 T	cis-1,3-Dichloropropene	0.421	0.364	13.5	102	0.00
50 M	1,1,2-Trichloroethane	0.357	0.311	12.9	101	0.00
51	Ethyl methacrylate	0.485	0.429	11.5	104	0.00
52	1,3-Dichloropropane	0.566	0.510	9.9	103	0.00
53 M	Dibromochloromethane	0.347	0.311	10.4	105	0.00
54 M	1,2-Dibromoethane	0.362	0.318	12.2	101	0.00
55 M	2-Chloroethyl vinyl ether	0.283	0.251	11.3	100	0.00
56 M	Bromoform	0.283	0.245	13.4	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	116	0.00
58 M	4-Methyl-2-Pentanone	0.750	0.648	13.6	99	0.00
59 M	2-Hexanone	0.492	0.420	14.6	98	0.00
60 S	4-Bromofluorobenzene	0.446	0.461	-3.4	121	0.00
61 M	Tetrachloroethene	0.442	0.527	-19.2	141	0.00
62 M	Toluene	1.732	1.804	-4.2	124	0.00
63 S	Toluene-d8	1.516	1.532	-1.1	117	0.00
64 M	Chlorobenzene	1.015	1.037	-2.2	121	0.00
65	1,1,1,2-Tetrachloroethane	0.409	0.385	5.9	109	0.00
66 M	Ethyl Benzene	1.440	1.662	-15.4	135	0.00
67 M	m/p-Xylenes	0.576	0.666	-15.6	135	0.00
68 M	o-Xylene	0.593	0.653	-10.1	130	0.00
69 M	Styrene	0.988	1.058	-7.1	124	0.00
70	Isopropylbenzene	1.390	1.736	-24.9	145	0.00
71 M	1,1,2,2-Tetrachloroethane	0.632	0.537	15.0	101	0.00
72	1,2,3-Trichloropropane	0.601	0.580	3.5	112	0.00
73	Bromobenzene	0.493	0.499	-1.2	121	0.00
74	n-propylbenzene	1.447	1.873	-29.4	149	0.00
75	2-Chlorotoluene	0.997	1.145	-14.8	134	0.00
76	1,3,5-Trimethylbenzene	1.156	1.446	-25.1	145	0.00
77	t-1,4-Dichloro-2-butene	0.128	0.102	20.3	97	0.00
78	4-Chlorotoluene	1.099	1.302	-18.5	138	0.00
79	tert-butylbenzene	1.141	1.558	-36.5#	159#	0.00
80	1,2,4-Trimethylbenzene	1.194	1.474	-23.5	142	0.00
81	sec-Butylbenzene	1.252	1.700	-35.8#	158#	0.00
82	p-Isopropyltoluene	1.141	1.558	-36.5#	159#	0.00
83 M	1,3-Dichlorobenzene	0.768	0.873	-13.7	135	0.00
84 M	1,4-Dichlorobenzene	0.763	0.868	-13.8	135	0.00
85	n-Butylbenzene	0.828	1.162	-40.3#	166#	0.00
86 T	Hexachloroethane	0.190	0.241	-26.8	152#	0.00
87 M	1,2-Dichlorobenzene	0.833	0.894	-7.3	128	0.00
88	1,2-Dibromo-3-Chloropropane	0.134	0.114	14.9	100	0.00
89	1,2,4-Trichlorobenzene	0.525	0.633	-20.6	143	0.00
90	Hexachlorobutadiene	0.257	0.341	-32.7#	156#	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.830	1.846	-0.9	116	0.00
92	1,2,3-Trichlorobenzene	0.591	0.684	-15.7	135	0.00

(#) = Out of Range

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