

Data Path : W:\HPCHEM1\MSVOA X\Data\ VX050918\
 Data File : VX001553.D
 Acq On : 09 May 2018 13:11
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 10 04:37:22 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X043018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 01 09:17:40 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	151#	-0.01
2 M	Dichlorodifluoromethane	1.967	1.547	21.4	109	0.00
3 M	Chloromethane	1.836	1.392	24.2	106	0.00
4 M	Vinyl Chloride	1.926	1.496	22.3	110	0.00
5 M	Bromomethane	1.454	1.015	30.2#	103	0.00
6 M	Chloroethane	1.178	0.959	18.6	118	0.00
7 M	Trichlorofluoromethane	3.199	2.366	26.0	107	0.00
8 T	Diethyl Ether	1.111	0.868	21.9	116	0.00
9	1,1,2-Trichlorotrifluoroeth	1.814	1.406	22.5	115	0.00
10 M	1,1-Dichloroethene	1.643	1.219	25.8	111	0.00
11	Methyl Iodide	1.999	1.729	13.5	143	0.00
12	Methyl Acetate	2.160	1.953	9.6	133	0.00
13 M	Acrolein	0.258	0.077	70.2#	44	0.00
14 M	Acrylonitrile	0.860	0.720	16.3	124	0.00
15 M	Acetone	0.268	0.224	16.4	122	0.00
16 M	Carbon Disulfide	4.371	2.801	35.9#	97	0.00
17	Allyl chloride	2.916	2.220	23.9	112	0.00
18 M	Methylene Chloride	1.791	1.362	24.0	111	0.00
19 M	trans-1,2-Dichloroethene	1.772	1.296	26.9	109	0.00
20 T	Diisopropyl ether	5.739	4.321	24.7	114	0.00
21 M	1,1-Dichloroethane	3.084	2.444	20.8	113	0.00
22 M	cis-1,2-Dichloroethene	1.978	1.449	26.7	108	0.00
23 M	tert-Butyl Alcohol	0.351	0.332	5.4	141	0.00
24 M	Methyl tert-Butyl Ether	5.635	4.178	25.9	110	0.00
25 M	Chloroform	3.358	2.539	24.4	112	-0.01
26	Cyclohexane	2.804	2.021	27.9	107	0.00
27 s	1,2-Dichloroethane-d4	2.164	2.203	-1.8	152#	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	144	0.00
29	1,1-Dichloropropene	0.444	0.334	24.8	110	0.00
30 M	2-Butanone	0.228	0.189	17.1	117	0.00
31	2,2-Dichloropropane	0.485	0.356	26.6	105	0.00
32 M	1,1,1-Trichloroethane	0.538	0.404	24.9	108	0.00
33 M	Carbon Tetrachloride	0.485	0.362	25.4	111	0.00
34 M	Benzene	1.317	0.989	24.9	106	0.00
35	Methacrylonitrile	0.253	0.205	19.0	117	0.00
36 M	1,2-Dichloroethane	0.505	0.399	21.0	113	0.00
37 M	Trichloroethene	0.399	0.306	23.3	110	0.00
38	Methylcyclohexane	0.523	0.394	24.7	110	0.00
39 M	1,2-Dichloropropane	0.334	0.251	24.9	108	0.00
40	Dibromomethane	0.235	0.179	23.8	109	0.00
41 M	Bromodichloromethane	0.444	0.325	26.8	107	0.00
42 M	Vinyl Acetate	0.896	0.676	24.6	108	0.00
43	Ethyl Acetate	0.439	0.331	24.6	111	0.00
44	Isopropyl Acetate	0.746	0.546	26.8	109	0.00
45 T	1,4-Dioxane	0.007	0.006#	14.3	137	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.388	0.293	24.5	111	0.00
47	n-amyl Acetate	0.716	0.461	35.6#	98	0.00
48 M	t-1,3-Dichloropropene	0.523	0.364	30.4#	104	0.00
49 T	cis-1,3-Dichloropropene	0.501	0.336	32.9#	101	0.00
50 M	1,1,2-Trichloroethane	0.349	0.267	23.5	108	0.00
51	Ethyl methacrylate	0.497	0.351	29.4	105	0.00
52	1,3-Dichloropropane	0.564	0.435	22.9	110	0.00
53 M	Dibromochloromethane	0.385	0.264	31.4#	104	0.00
54 M	1,2-Dibromoethane	0.373	0.272	27.1	106	0.00
55 M	2-Chloroethyl vinyl ether	0.244	0.195	20.1	114	0.00
56 M	Bromoform	0.315	0.198	37.1#	100	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	144	0.00
58 M	4-Methyl-2-Pentanone	0.498	0.396	20.5	113	0.00
59 M	2-Hexanone	0.388	0.304	21.6	113	0.00
60 S	4-Bromofluorobenzene	0.503	0.478	5.0	140	0.00
61 M	Tetrachloroethene	0.460	0.402	12.6	118	0.00
62 M	Toluene	1.612	1.209	25.0	108	0.00
63 S	Toluene-d8	1.287	1.331	-3.4	149	0.00
64 M	Chlorobenzene	1.088	0.795	26.9	105	0.00
65	1,1,1,2-Tetrachloroethane	0.397	0.293	26.2	105	0.00
66 M	Ethyl Benzene	1.800	1.295	28.1	104	0.00
67 M	m/p-Xylenes	0.715	0.521	27.1	107	0.00
68 M	o-Xylene	0.691	0.498	27.9	104	0.00
69 M	Styrene	1.150	0.813	29.3	103	0.00
70	Isopropylbenzene	1.876	1.349	28.1	104	0.00
71 M	1,1,2,2-Tetrachloroethane	0.550	0.389	29.3	104	0.00
72	1,2,3-Trichloropropane	0.493	0.337	31.6#	95	0.00
73	Bromobenzene	0.545	0.382	29.9	103	0.00
74	n-propylbenzene	2.119	1.534	27.6	106	0.00
75	2-Chlorotoluene	1.279	0.928	27.4	107	0.00
76	1,3,5-Trimethylbenzene	1.599	1.152	28.0	106	0.00
77	t-1,4-Dichloro-2-butene	0.147	0.092	37.4#	107	0.00
78	4-Chlorotoluene	1.526	1.058	30.7#	102	0.00
79	tert-butylbenzene	1.711	1.282	25.1	110	0.00
80	1,2,4-Trimethylbenzene	1.627	1.173	27.9	104	0.00
81	sec-Butylbenzene	1.856	1.390	25.1	110	0.00
82	p-Isopropyltoluene	1.711	1.282	25.1	110	0.00
83 M	1,3-Dichlorobenzene	0.994	0.708	28.8	105	0.00
84 M	1,4-Dichlorobenzene	1.014	0.707	30.3#	102	0.00
85	n-Butylbenzene	1.479	1.028	30.5#	106	0.00
86 T	Hexachloroethane	0.261	0.179	31.4#	106	0.00
87 M	1,2-Dichlorobenzene	0.989	0.707	28.5	105	0.00
88	1,2-Dibromo-3-Chloropropane	0.115	0.082	28.7	108	0.00
89	1,2,4-Trichlorobenzene	0.749	0.518	30.8#	103	0.00
90	Hexachlorobutadiene	0.348	0.294	15.5	130	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.943	1.392	28.4	105	0.00
92	1,2,3-Trichlorobenzene	0.739	0.530	28.3	107	0.00

(#) = Out of Range

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