

Data Path : W:\HPCHEM1\MSVOA X\Data\WX050418\
 Data File : VX001390.D
 Acq On : 04 May 2018 11:13
 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 04 11:33:04 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	88	0.00
2 M	Dichlorodifluoromethane	1.967	1.949	0.9	80	0.00
3 M	Chloromethane	1.836	1.814	1.2	81	0.00
4 M	Vinyl Chloride	1.926	1.963	-1.9	84	0.00
5 M	Bromomethane	1.454	1.414	2.8	84	0.00
6 M	Chloroethane	1.178	1.247	-5.9	90	0.00
7 M	Trichlorofluoromethane	3.199	3.535	-10.5	93	0.00
8 T	Diethyl Ether	1.111	1.210	-8.9	94	0.00
9	1,1,2-Trichlorotrifluoroeth	1.814	2.090	-15.2	100	0.00
10 M	1,1-Dichloroethene	1.643	1.715	-4.4	91	0.00
11	Methyl Iodide	1.999	2.746	-37.4#	132	0.00
12	Methyl Acetate	2.160	2.953	-36.7#	117	0.00
13 M	Acrolein	0.258	0.131	49.2#	44	0.00
14 M	Acrylonitrile	0.860	1.075	-25.0	108	0.00
15 M	Acetone	0.268	0.311	-16.0	99	0.00
16 M	Carbon Disulfide	4.371	3.722	14.8	76	0.00
17	Allyl chloride	2.916	3.121	-7.0	92	0.00
18 M	Methylene Chloride	1.791	1.930	-7.8	92	0.00
19 M	trans-1,2-Dichloroethene	1.772	1.838	-3.7	90	0.00
20 T	Diisopropyl ether	5.739	5.458	4.9	84	0.00
21 M	1,1-Dichloroethane	3.084	3.380	-9.6	91	0.00
22 M	cis-1,2-Dichloroethene	1.978	1.896	4.1	82	0.00
23 M	tert-Butyl Alcohol	0.351	0.509	-45.0#	126	0.00
24 M	Methyl tert-Butyl Ether	5.635	6.186	-9.8	95	0.00
25 M	Chloroform	3.358	3.355	0.1	87	0.00
26	Cyclohexane	2.804	2.615	6.7	81	0.00
27 s	1,2-Dichloroethane-d4	2.164	2.114	2.3	85	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
29	1,1-Dichloropropene	0.444	0.432	2.7	83	0.00
30 M	2-Butanone	0.228	0.261	-14.5	96	0.00
31	2,2-Dichloropropane	0.485	0.452	6.8	79	0.00
32 M	1,1,1-Trichloroethane	0.538	0.523	2.8	82	0.00
33 M	Carbon Tetrachloride	0.485	0.467	3.7	84	0.00
34 M	Benzene	1.317	1.324	-0.5	84	0.00
35	Methacrylonitrile	0.253	0.281	-11.1	95	0.00
36 M	1,2-Dichloroethane	0.505	0.502	0.6	84	0.00
37 M	Trichloroethene	0.399	0.413	-3.5	87	0.00
38	Methylcyclohexane	0.523	0.529	-1.1	87	0.00
39 M	1,2-Dichloropropane	0.334	0.336	-0.6	85	0.00
40	Dibromomethane	0.235	0.238	-1.3	85	0.00
41 M	Bromodichloromethane	0.444	0.430	3.2	83	0.00
42 M	Vinyl Acetate	0.896	0.866	3.3	81	0.00
43	Ethyl Acetate	0.439	0.494	-12.5	97	0.01
44	Isopropyl Acetate	0.746	0.775	-3.9	91	0.00
45 T	1,4-Dioxane	0.007	0.009#	-28.6	118	0.00

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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)
46	Methyl methacrylate	0.388	0.405	-4.4	91	0.00
47	n-amyl Acetate	0.716	0.697	2.7	87	0.00
48 M	t-1,3-Dichloropropene	0.523	0.489	6.5	82	0.00
49 T	cis-1,3-Dichloropropene	0.501	0.452	9.8	80	0.00
50 M	1,1,2-Trichloroethane	0.349	0.367	-5.2	88	0.00
51	Ethyl methacrylate	0.497	0.506	-1.8	89	0.00
52	1,3-Dichloropropane	0.564	0.589	-4.4	88	0.00
53 M	Dibromochloromethane	0.385	0.372	3.4	86	0.00
54 M	1,2-Dibromoethane	0.373	0.385	-3.2	89	0.00
55 M	2-Chloroethyl vinyl ether	0.244	0.252	-3.3	87	0.00
56 M	Bromoform	0.315	0.297	5.7	88	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
58 M	4-Methyl-2-Pentanone	0.498	0.561	-12.7	96	0.00
59 M	2-Hexanone	0.388	0.434	-11.9	97	0.00
60 S	4-Bromofluorobenzene	0.503	0.483	4.0	85	0.00
61 M	Tetrachloroethene	0.460	0.545	-18.5	96	0.00
62 M	Toluene	1.612	1.583	1.8	85	0.00
63 S	Toluene-d8	1.287	1.283	0.3	87	0.00
64 M	Chlorobenzene	1.088	1.071	1.6	85	0.00
65	1,1,1,2-Tetrachloroethane	0.397	0.390	1.8	84	0.00
66 M	Ethyl Benzene	1.800	1.738	3.4	84	0.00
67 M	m/p-Xylenes	0.715	0.698	2.4	86	0.00
68 M	o-Xylene	0.691	0.678	1.9	85	0.00
69 M	Styrene	1.150	1.118	2.8	85	0.00
70	Isopropylbenzene	1.876	1.845	1.7	86	0.00
71 M	1,1,2,2-Tetrachloroethane	0.550	0.549	0.2	89	0.00
72	1,2,3-Trichloropropane	0.493	0.629	-27.6	107	0.00
73	Bromobenzene	0.545	0.533	2.2	87	0.00
74	n-propylbenzene	2.119	2.112	0.3	88	0.00
75	2-Chlorotoluene	1.279	1.231	3.8	85	0.00
76	1,3,5-Trimethylbenzene	1.599	1.601	-0.1	89	0.00
77	t-1,4-Dichloro-2-butene	0.147	0.127	13.6	89	0.00
78	4-Chlorotoluene	1.526	1.430	6.3	83	0.00
79	tert-butylbenzene	1.711	1.784	-4.3	92	0.00
80	1,2,4-Trimethylbenzene	1.627	1.648	-1.3	88	0.00
81	sec-Butylbenzene	1.856	1.958	-5.5	93	0.00
82	p-Isopropyltoluene	1.711	1.784	-4.3	92	0.00
83 M	1,3-Dichlorobenzene	0.994	0.982	1.2	88	0.00
84 M	1,4-Dichlorobenzene	1.014	0.985	2.9	86	0.00
85	n-Butylbenzene	1.479	1.484	-0.3	92	0.00
86 T	Hexachloroethane	0.261	0.243	6.9	87	0.00
87 M	1,2-Dichlorobenzene	0.989	0.991	-0.2	89	0.00
88	1,2-Dibromo-3-Chloropropane	0.115	0.119	-3.5	93	0.00
89	1,2,4-Trichlorobenzene	0.749	0.763	-1.9	91	0.00
90	Hexachlorobutadiene	0.348	0.430	-23.6	115	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.943	2.086	-7.4	95	0.00
92	1,2,3-Trichlorobenzene	0.739	0.788	-6.6	95	0.00

(#) = Out of Range

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