

Data Path : W:\HPCHEM1\MSVOA X\Data\VX053118\
 Data File : VX002172.D
 Acq On : 31 May 2018 11:41
 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 31 12:04:03 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 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	83	0.00
2 M	Dichlorodifluoromethane	1.593	1.629	-2.3	89	0.00
3 M	Chloromethane	1.895	1.925	-1.6	88	0.00
4 M	Vinyl Chloride	1.885	2.011	-6.7	92	0.00
5 M	Bromomethane	1.056	1.021	3.3	79	0.00
6 M	Chloroethane	1.115	1.272	-14.1	97	0.00
7 M	Trichlorofluoromethane	2.875	3.389	-17.9	100	0.00
8 T	Diethyl Ether	1.082	1.221	-12.8	97	0.00
9	1,1,2-Trichlorotrifluoroeth	1.548	1.961	-26.7	108	0.00
10 M	1,1-Dichloroethene	1.493	1.695	-13.5	97	0.00
11	Methyl Iodide	2.345	1.716	26.8	66	0.00
12	Methyl Acetate	2.419	2.840	-17.4	102	0.00
13 M	Acrolein	0.206	0.210	-1.9	91	0.00
14 M	Acrylonitrile	0.995	1.057	-6.2	91	0.00
15 M	Acetone	0.265	0.323	-21.9	104	0.00
16 M	Carbon Disulfide	4.262	3.793	11.0	77	0.00
17	Allyl chloride	3.081	3.591	-16.6	98	0.00
18 M	Methylene Chloride	1.678	1.924	-14.7	98	0.00
19 M	trans-1,2-Dichloroethene	1.578	1.770	-12.2	96	0.00
20 T	Diisopropyl ether	5.882	7.006	-19.1	102	-0.01
21 M	1,1-Dichloroethane	3.131	3.652	-16.6	99	0.00
22 M	cis-1,2-Dichloroethene	1.881	1.891	-0.5	88	0.00
23 M	tert-Butyl Alcohol	0.516	0.538	-4.3	88	-0.02
24 M	Methyl tert-Butyl Ether	5.826	6.637	-13.9	97	0.00
25 M	Chloroform	3.292	3.349	-1.7	88	-0.01
26	Cyclohexane	2.882	2.992	-3.8	89	0.00
27 s	1,2-Dichloroethane-d4	2.361	2.391	-1.3	85	-0.01
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
29	1,1-Dichloropropene	0.420	0.428	-1.9	92	0.00
30 M	2-Butanone	0.293	0.260	11.3	79	-0.01
31	2,2-Dichloropropane	0.369	0.486	-31.7#	114	0.00
32 M	1,1,1-Trichloroethane	0.548	0.506	7.7	83	0.00
33 M	Carbon Tetrachloride	0.498	0.436	12.4	78	0.00
34 M	Benzene	1.267	1.246	1.7	87	0.00
35	Methacrylonitrile	0.324	0.282	13.0	79	-0.01
36 M	1,2-Dichloroethane	0.494	0.495	-0.2	89	-0.01
37 M	Trichloroethene	0.360	0.356	1.1	88	0.00
38	Methylcyclohexane	0.490	0.524	-6.9	96	0.00
39 M	1,2-Dichloropropane	0.343	0.338	1.5	88	0.00
40	Dibromomethane	0.230	0.218	5.2	84	0.00
41 M	Bromodichloromethane	0.477	0.416	12.8	78	0.00
42 M	Vinyl Acetate	0.926	1.031	-11.3	97	0.00
43	Ethyl Acetate	0.575	0.489	15.0	75	-0.01
44	Isopropyl Acetate	0.956	0.839	12.2	78	-0.01
45 T	1,4-Dioxane	0.009	0.008#	11.1	77	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.484	0.429	11.4	80	0.00
47	n-amyl Acetate	0.879	0.756	14.0	79	0.00
48 M	t-1,3-Dichloropropene	0.536	0.507	5.4	85	0.00
49 T	cis-1,3-Dichloropropene	0.519	0.472	9.1	83	0.00
50 M	1,1,2-Trichloroethane	0.330	0.334	-1.2	92	0.00
51	Ethyl methacrylate	0.572	0.521	8.9	82	0.00
52	1,3-Dichloropropane	0.557	0.560	-0.5	90	0.00
53 M	Dibromochloromethane	0.403	0.326	19.1	74	0.00
54 M	1,2-Dibromoethane	0.357	0.338	5.3	86	0.00
55 M	2-Chloroethyl vinyl ether	0.268	0.395	-47.4#	126	0.00
56 M	Bromoform	0.355	0.247	30.4#	66	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.653	0.585	10.4	80	0.00
59 M	2-Hexanone	0.507	0.448	11.6	80	0.00
60 S	4-Bromofluorobenzene	0.514	0.503	2.1	90	0.00
61 M	Tetrachloroethene	0.458	0.460	-0.4	91	0.00
62 M	Toluene	1.532	1.516	1.0	91	0.00
63 S	Toluene-d8	1.337	1.335	0.1	90	0.00
64 M	Chlorobenzene	0.992	0.994	-0.2	93	0.00
65	1,1,1,2-Tetrachloroethane	0.404	0.365	9.7	83	0.00
66 M	Ethyl Benzene	1.722	1.738	-0.9	93	0.00
67 M	m/p-Xylenes	0.654	0.659	-0.8	94	0.00
68 M	o-Xylene	0.655	0.648	1.1	92	0.00
69 M	Styrene	1.099	1.068	2.8	92	0.00
70	Isopropylbenzene	1.753	1.784	-1.8	94	0.00
71 M	1,1,2,2-Tetrachloroethane	0.549	0.512	6.7	88	0.00
72	1,2,3-Trichloropropane	0.517	0.613	-18.6	99	0.00
73	Bromobenzene	0.471	0.470	0.2	95	0.00
74	n-propylbenzene	1.956	2.047	-4.7	98	0.00
75	2-Chlorotoluene	1.207	1.215	-0.7	94	0.00
76	1,3,5-Trimethylbenzene	1.490	1.514	-1.6	95	0.00
77	t-1,4-Dichloro-2-butene	0.187	0.143	23.5	72	0.00
78	4-Chlorotoluene	1.372	1.409	-2.7	98	0.00
79	tert-butylbenzene	1.563	1.635	-4.6	99	0.00
80	1,2,4-Trimethylbenzene	1.506	1.543	-2.5	96	0.00
81	sec-Butylbenzene	1.747	1.830	-4.8	98	0.00
82	p-Isopropyltoluene	1.563	1.635	-4.6	99	0.00
83 M	1,3-Dichlorobenzene	0.834	0.848	-1.7	99	0.00
84 M	1,4-Dichlorobenzene	0.830	0.859	-3.5	101	0.00
85	n-Butylbenzene	1.310	1.412	-7.8	105	0.00
86 T	Hexachloroethane	0.311	0.229	26.4	70	0.00
87 M	1,2-Dichlorobenzene	0.859	0.867	-0.9	98	0.00
88	1,2-Dibromo-3-Chloropropane	0.160	0.112	30.0	67	0.00
89	1,2,4-Trichlorobenzene	0.610	0.629	-3.1	103	0.00
90	Hexachlorobutadiene	0.325	0.346	-6.5	104	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.925	1.818	5.6	90	0.00
92	1,2,3-Trichlorobenzene	0.637	0.647	-1.6	99	0.00

(#) = Out of Range

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