

Data Path : W:\HPCHEM1\MSVOA X\Data\VX051118\
 Data File : VX001634.D
 Acq On : 11 May 2018 11:13
 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 11 12:25:39 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 07:16:13 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	104	0.00
2 M	Dichlorodifluoromethane	1.462	1.738	-18.9	106	0.00
3 M	Chloromethane	1.618	1.611	0.4	93	0.00
4 M	Vinyl Chloride	1.690	1.704	-0.8	94	0.00
5 M	Bromomethane	0.835	0.911	-9.1	84	0.00
6 M	Chloroethane	1.125	1.159	-3.0	96	0.00
7 M	Trichlorofluoromethane	2.428	2.789	-14.9	107	0.00
8 T	Diethyl Ether	1.053	1.073	-1.9	97	0.00
9	1,1,2-Trichlorotrifluoroeth	1.349	1.652	-22.5	112	0.00
10 M	1,1-Dichloroethene	1.388	1.458	-5.0	100	0.00
11	Methyl Iodide	2.017	1.024	49.2#	52	0.00
12	Methyl Acetate	2.361	2.424	-2.7	99	0.00
13 M	Acrolein	0.268	0.049#	81.7#	19#	0.00
14 M	Acrylonitrile	0.943	0.867	8.1	89	0.00
15 M	Acetone	0.253	0.289	-14.2	110	0.00
16 M	Carbon Disulfide	3.439	3.395	1.3	98	0.00
17	Allyl chloride	2.649	2.756	-4.0	100	0.00
18 M	Methylene Chloride	1.639	1.687	-2.9	99	0.00
19 M	trans-1,2-Dichloroethene	1.507	1.531	-1.6	98	0.00
20 T	Diisopropyl ether	4.949	5.149	-4.0	103	0.00
21 M	1,1-Dichloroethane	2.846	2.801	1.6	94	0.00
22 M	cis-1,2-Dichloroethene	1.699	1.778	-4.6	102	0.00
23 M	tert-Butyl Alcohol	0.420	0.361	14.0	84	0.00
24 M	Methyl tert-Butyl Ether	5.045	5.231	-3.7	99	0.00
25 M	Chloroform	2.932	3.079	-5.0	102	0.00
26	Cyclohexane	2.076	2.470	-19.0	114	0.00
27 s	1,2-Dichloroethane-d4	2.189	2.169	0.9	101	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
29	1,1-Dichloropropene	0.377	0.397	-5.3	106	0.00
30 M	2-Butanone	0.249	0.235	5.6	95	0.00
31	2,2-Dichloropropane	0.324	0.458	-41.4#	143	0.00
32 M	1,1,1-Trichloroethane	0.479	0.510	-6.5	106	0.00
33 M	Carbon Tetrachloride	0.422	0.449	-6.4	107	0.00
34 M	Benzene	1.205	1.203	0.2	101	0.00
35	Methacrylonitrile	0.270	0.251	7.0	95	0.00
36 M	1,2-Dichloroethane	0.477	0.483	-1.3	101	0.00
37 M	Trichloroethene	0.355	0.370	-4.2	104	0.00
38	Methylcyclohexane	0.403	0.484	-20.1	121	0.00
39 M	1,2-Dichloropropane	0.302	0.306	-1.3	103	0.00
40	Dibromomethane	0.216	0.215	0.5	100	0.00
41 M	Bromodichloromethane	0.407	0.405	0.5	102	0.00
42 M	Vinyl Acetate	0.820	0.802	2.2	100	0.00
43	Ethyl Acetate	0.474	0.439	7.4	94	0.00
44	Isopropyl Acetate	0.726	0.679	6.5	98	0.00
45 T	1,4-Dioxane	0.009	0.007#	22.2	85	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.392	0.369	5.9	98	0.00
47	n-amyl Acetate	0.620	0.594	4.2	101	0.00
48 M	t-1,3-Dichloropropene	0.450	0.464	-3.1	108	0.00
49 T	cis-1,3-Dichloropropene	0.397	0.410	-3.3	110	0.00
50 M	1,1,2-Trichloroethane	0.321	0.323	-0.6	100	0.00
51	Ethyl methacrylate	0.462	0.445	3.7	102	0.00
52	1,3-Dichloropropane	0.528	0.526	0.4	100	0.00
53 M	Dibromochloromethane	0.333	0.327	1.8	102	0.00
54 M	1,2-Dibromoethane	0.338	0.333	1.5	97	0.00
55 M	2-Chloroethyl vinyl ether	0.246	0.232	5.7	96	0.00
56 M	Bromoform	0.272	0.254	6.6	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
58 M	4-Methyl-2-Pentanone	0.540	0.499	7.6	94	0.00
59 M	2-Hexanone	0.404	0.374	7.4	94	0.00
60 S	4-Bromofluorobenzene	0.475	0.477	-0.4	109	0.00
61 M	Tetrachloroethene	0.436	0.471	-8.0	107	0.00
62 M	Toluene	1.443	1.491	-3.3	105	0.00
63 S	Toluene-d8	1.338	1.323	1.1	107	0.00
64 M	Chlorobenzene	0.948	0.991	-4.5	105	0.00
65	1,1,1,2-Tetrachloroethane	0.358	0.359	-0.3	102	0.00
66 M	Ethyl Benzene	1.498	1.636	-9.2	110	0.00
67 M	m/p-Xylenes	0.598	0.657	-9.9	110	0.00
68 M	o-Xylene	0.592	0.628	-6.1	108	0.00
69 M	Styrene	0.976	1.020	-4.5	106	0.00
70	Isopropylbenzene	1.524	1.713	-12.4	111	0.00
71 M	1,1,2,2-Tetrachloroethane	0.511	0.487	4.7	98	0.00
72	1,2,3-Trichloropropane	0.495	0.475	4.0	97	0.00
73	Bromobenzene	0.462	0.476	-3.0	105	0.00
74	n-propylbenzene	1.678	1.917	-14.2	113	0.00
75	2-Chlorotoluene	1.052	1.151	-9.4	109	0.00
76	1,3,5-Trimethylbenzene	1.283	1.440	-12.2	112	0.00
77	t-1,4-Dichloro-2-butene	0.127	0.122	3.9	107	0.00
78	4-Chlorotoluene	1.197	1.333	-11.4	112	0.00
79	tert-butylbenzene	1.357	1.600	-17.9	117	0.00
80	1,2,4-Trimethylbenzene	1.309	1.477	-12.8	112	0.00
81	sec-Butylbenzene	1.486	1.757	-18.2	118	0.00
82	p-Isopropyltoluene	1.357	1.600	-17.9	117	0.00
83 M	1,3-Dichlorobenzene	0.806	0.864	-7.2	110	0.00
84 M	1,4-Dichlorobenzene	0.810	0.872	-7.7	110	0.00
85	n-Butylbenzene	1.079	1.292	-19.7	124	0.00
86 T	Hexachloroethane	0.215	0.231	-7.4	113	0.00
87 M	1,2-Dichlorobenzene	0.835	0.881	-5.5	108	0.00
88	1,2-Dibromo-3-Chloropropane	0.119	0.109	8.4	97	0.00
89	1,2,4-Trichlorobenzene	0.593	0.648	-9.3	115	0.00
90	Hexachlorobutadiene	0.304	0.358	-17.8	119	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.777	1.762	0.8	103	0.00
92	1,2,3-Trichlorobenzene	0.628	0.668	-6.4	111	0.00

(#) = Out of Range

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