

Data Path : W:\HPCHEM1\MSVOA X\Data\VX022118\
 Data File : VX000120.D
 Acq On : 21 Feb 2018 16:31
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 LabSampled :
 VSTDCCC020

Quant Time: Feb 22 07:09:57 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 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	90	0.00
2 M	Dichlorodifluoromethane	1.862	1.723	7.5	85	0.00
3 M	Chloromethane	1.866	1.833	1.8	87	0.00
4 M	Vinyl Chloride	2.220	2.232	-0.5	90	0.00
5 M	Bromomethane	2.046	1.689	17.4	76	0.00
6 M	Chloroethane	1.421	1.410	0.8	91	0.00
7 M	Trichlorofluoromethane	3.846	3.833	0.3	91	0.00
8 T	Diethyl Ether	1.343	1.331	0.9	86	0.00
9	1,1,2-Trichlorotrifluoroeth	2.099	2.077	1.0	89	0.00
10 M	1,1-Dichloroethene	2.005	1.967	1.9	88	0.00
11	Methyl Iodide	1.948	2.039	-4.7	113	0.00
12	Methyl Acetate	3.582	3.599	-0.5	90	0.00
13 M	Acrolein	0.431	0.405	6.0	89	0.00
14 M	Acrylonitrile	1.552	1.487	4.2	86	0.00
15 M	Acetone	0.506	0.474	6.3	80	0.00
16 M	Carbon Disulfide	5.733	5.234	8.7	83	0.00
17	Allyl chloride	3.418	3.319	2.9	88	0.00
18 M	Methylene Chloride	2.184	2.130	2.5	89	0.00
19 M	trans-1,2-Dichloroethene	2.181	2.158	1.1	90	0.00
20 T	Diisopropyl ether	5.396	5.556	-3.0	97	0.00
21 M	1,1-Dichloroethane	3.557	3.770	-6.0	92	0.00
22 M	cis-1,2-Dichloroethene	2.026	1.917	5.4	86	0.00
23 M	tert-Butyl Alcohol	0.887	0.753	15.1	74	0.00
24 M	Methyl tert-Butyl Ether	6.907	7.032	-1.8	92	0.00
25 M	Chloroform	3.527	3.373	4.4	87	0.00
26	Cyclohexane	2.789	2.577	7.6	84	0.00
27 s	1,2-Dichloroethane-d4	2.322	2.469	-6.3	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
29	1,1-Dichloropropene	0.437	0.409	6.4	88	0.00
30 M	2-Butanone	0.336	0.289	14.0	78	0.01
31	2,2-Dichloropropane	0.470	0.426	9.4	85	0.00
32 M	1,1,1-Trichloroethane	0.529	0.485	8.3	86	0.00
33 M	Carbon Tetrachloride	0.469	0.432	7.9	86	0.00
34 M	Benzene	1.257	1.182	6.0	87	0.00
35	Methacrylonitrile	0.310	0.269	13.2	81	0.00
36 M	1,2-Dichloroethane	0.477	0.447	6.3	87	0.00
37 M	Trichloroethene	0.372	0.336	9.7	83	0.00
38	Methylcyclohexane	0.524	0.469	10.5	86	0.00
39 M	1,2-Dichloropropane	0.314	0.293	6.7	85	0.00
40	Dibromomethane	0.242	0.226	6.6	88	0.00
41 M	Bromodichloromethane	0.460	0.414	10.0	83	0.00
42 M	Vinyl Acetate	0.857	0.939	-9.6	105	0.00
43	Ethyl Acetate	0.591	0.508	14.0	78	0.00
44	Isopropyl Acetate	0.867	0.792	8.7	85	0.00
45 T	1,4-Dioxane	0.011	0.009#	18.2	82	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.422	0.388	8.1	86	0.00
47	n-amyl Acetate	0.757	0.693	8.5	87	0.00
48 M	t-1,3-Dichloropropene	0.535	0.487	9.0	83	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.469	10.0	83	0.00
50 M	1,1,2-Trichloroethane	0.355	0.326	8.2	88	0.00
51	Ethyl methacrylate	0.544	0.497	8.6	88	0.00
52	1,3-Dichloropropane	0.569	0.545	4.2	88	0.00
53 M	Dibromochloromethane	0.395	0.351	11.1	83	0.00
54 M	1,2-Dibromoethane	0.396	0.363	8.3	86	0.00
55 M	2-Chloroethyl vinyl ether	0.238	0.225	5.5	78	0.00
56 M	Bromoform	0.320	0.277	13.4	83	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	0.657	0.607	7.6	83	0.00
59 M	2-Hexanone	0.556	0.501	9.9	81	0.00
60 S	4-Bromofluorobenzene	0.491	0.493	-0.4	94	0.00
61 M	Tetrachloroethene	0.364	0.335	8.0	85	0.00
62 M	Toluene	1.561	1.473	5.6	87	0.00
63 S	Toluene-d8	1.285	1.298	-1.0	94	0.00
64 M	Chlorobenzene	1.055	0.980	7.1	87	0.00
65	1,1,1,2-Tetrachloroethane	0.374	0.342	8.6	85	0.00
66 M	Ethyl Benzene	1.782	1.669	6.3	86	0.00
67 M	m/p-Xylenes	0.698	0.648	7.2	87	0.00
68 M	o-Xylene	0.678	0.621	8.4	84	0.00
69 M	Styrene	1.124	1.054	6.2	86	0.00
70	Isopropylbenzene	1.834	1.680	8.4	84	0.00
71 M	1,1,2,2-Tetrachloroethane	0.631	0.598	5.2	87	0.00
72	1,2,3-Trichloropropane	0.566	0.532	6.0	84	0.00
73	Bromobenzene	0.481	0.431	10.4	84	0.00
74	n-propylbenzene	2.150	2.020	6.0	87	0.00
75	2-Chlorotoluene	1.236	1.179	4.6	86	0.00
76	1,3,5-Trimethylbenzene	1.554	1.429	8.0	85	0.00
77	t-1,4-Dichloro-2-butene	0.200	0.171	14.5	78	0.00
78	4-Chlorotoluene	1.481	1.372	7.4	85	0.00
79	tert-butylbenzene	1.547	1.421	8.1	84	0.00
80	1,2,4-Trimethylbenzene	1.585	1.472	7.1	84	0.00
81	sec-Butylbenzene	1.912	1.787	6.5	85	0.00
82	p-Isopropyltoluene	1.706	1.552	9.0	83	0.00
83 M	1,3-Dichlorobenzene	0.915	0.811	11.4	82	0.00
84 M	1,4-Dichlorobenzene	0.954	0.853	10.6	84	0.00
85	n-Butylbenzene	1.600	1.485	7.2	85	0.00
86 T	Hexachloroethane	0.285	0.244	14.4	80	0.00
87 M	1,2-Dichlorobenzene	0.907	0.810	10.7	82	0.00
88	1,2-Dibromo-3-Chloropropane	0.176	0.156	11.4	82	0.00
89	1,2,4-Trichlorobenzene	0.666	0.576	13.5	81	0.00
90	Hexachlorobutadiene	0.287	0.252	12.2	85	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	2.328	2.102	9.7	82	0.00
92	1,2,3-Trichlorobenzene	0.670	0.595	11.2	82	0.00

(#) = Out of Range

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