

Data Path : W:\HPCHEM1\MSVOA X\Data\VX022118\
 Data File : VX000126.D
 Acq On : 21 Feb 2018 19:30
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 LabSampled :
 VSTDCCC020

Quant Time: Feb 22 07:28:53 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	88	0.00
2 M	Dichlorodifluoromethane	1.862	1.991	-6.9	96	0.00
3 M	Chloromethane	1.866	2.087	-11.8	97	0.00
4 M	Vinyl Chloride	2.220	2.503	-12.7	99	0.00
5 M	Bromomethane	2.046	1.989	2.8	88	0.00
6 M	Chloroethane	1.421	1.613	-13.5	102	0.00
7 M	Trichlorofluoromethane	3.846	4.315	-12.2	100	0.00
8 T	Diethyl Ether	1.343	1.521	-13.3	97	0.00
9	1,1,2-Trichlorotrifluoroeth	2.099	2.359	-12.4	99	0.00
10 M	1,1-Dichloroethene	2.005	2.224	-10.9	97	0.00
11	Methyl Iodide	1.948	2.222	-14.1	121	0.00
12	Methyl Acetate	3.582	4.010	-11.9	99	0.00
13 M	Acrolein	0.431	0.367	14.8	79	0.00
14 M	Acrylonitrile	1.552	1.652	-6.4	93	0.00
15 M	Acetone	0.506	0.508	-0.4	84	0.00
16 M	Carbon Disulfide	5.733	6.017	-5.0	94	0.00
17	Allyl chloride	3.418	3.735	-9.3	97	0.00
18 M	Methylene Chloride	2.184	2.432	-11.4	100	0.00
19 M	trans-1,2-Dichloroethene	2.181	2.435	-11.6	99	0.00
20 T	Diisopropyl ether	5.396	5.592	-3.6	95	0.00
21 M	1,1-Dichloroethane	3.557	4.236	-19.1	102	0.00
22 M	cis-1,2-Dichloroethene	2.026	2.140	-5.6	94	0.00
23 M	tert-Butyl Alcohol	0.887	0.861	2.9	83	0.01
24 M	Methyl tert-Butyl Ether	6.907	7.925	-14.7	102	0.00
25 M	Chloroform	3.527	3.788	-7.4	96	0.00
26	Cyclohexane	2.789	2.953	-5.9	95	0.00
27 s	1,2-Dichloroethane-d4	2.322	2.493	-7.4	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
29	1,1-Dichloropropene	0.437	0.450	-3.0	94	0.00
30 M	2-Butanone	0.336	0.318	5.4	83	0.01
31	2,2-Dichloropropane	0.470	0.478	-1.7	92	0.00
32 M	1,1,1-Trichloroethane	0.529	0.540	-2.1	93	0.00
33 M	Carbon Tetrachloride	0.469	0.467	0.4	91	0.00
34 M	Benzene	1.257	1.330	-5.8	95	0.00
35	Methacrylonitrile	0.310	0.300	3.2	88	0.00
36 M	1,2-Dichloroethane	0.477	0.510	-6.9	97	0.00
37 M	Trichloroethene	0.372	0.376	-1.1	90	0.00
38	Methylcyclohexane	0.524	0.530	-1.1	94	0.00
39 M	1,2-Dichloropropane	0.314	0.330	-5.1	93	0.00
40	Dibromomethane	0.242	0.259	-7.0	97	0.00
41 M	Bromodichloromethane	0.460	0.462	-0.4	90	0.00
42 M	Vinyl Acetate	0.857	0.887	-3.5	96	0.00
43	Ethyl Acetate	0.591	0.584	1.2	87	0.00
44	Isopropyl Acetate	0.867	0.868	-0.1	91	0.00
45 T	1,4-Dioxane	0.011	0.010#	9.1	88	0.00

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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.422	0.431	-2.1	92	0.00
47	n-amyl Acetate	0.757	0.787	-4.0	96	0.00
48 M	t-1,3-Dichloropropene	0.535	0.541	-1.1	90	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.538	-3.3	92	0.00
50 M	1,1,2-Trichloroethane	0.355	0.359	-1.1	94	0.00
51	Ethyl methacrylate	0.544	0.550	-1.1	94	0.00
52	1,3-Dichloropropane	0.569	0.599	-5.3	94	0.00
53 M	Dibromochloromethane	0.395	0.388	1.8	89	0.00
54 M	1,2-Dibromoethane	0.396	0.398	-0.5	91	0.00
55 M	2-Chloroethyl vinyl ether	0.238	0.231	2.9	78	0.00
56 M	Bromoform	0.320	0.299	6.6	87	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	0.657	0.662	-0.8	90	0.00
59 M	2-Hexanone	0.556	0.541	2.7	86	0.00
60 S	4-Bromofluorobenzene	0.491	0.495	-0.8	93	0.00
61 M	Tetrachloroethene	0.364	0.355	2.5	89	0.00
62 M	Toluene	1.561	1.632	-4.5	95	0.00
63 S	Toluene-d8	1.285	1.313	-2.2	93	0.00
64 M	Chlorobenzene	1.055	1.083	-2.7	94	0.00
65	1,1,1,2-Tetrachloroethane	0.374	0.377	-0.8	92	0.00
66 M	Ethyl Benzene	1.782	1.857	-4.2	94	0.00
67 M	m/p-Xylenes	0.698	0.712	-2.0	94	0.00
68 M	o-Xylene	0.678	0.685	-1.0	91	0.00
69 M	Styrene	1.124	1.127	-0.3	91	0.00
70	Isopropylbenzene	1.834	1.865	-1.7	92	0.00
71 M	1,1,2,2-Tetrachloroethane	0.631	0.647	-2.5	93	0.00
72	1,2,3-Trichloropropane	0.566	0.587	-3.7	92	0.00
73	Bromobenzene	0.481	0.479	0.4	92	0.00
74	n-propylbenzene	2.150	2.222	-3.3	94	0.00
75	2-Chlorotoluene	1.236	1.286	-4.0	93	0.00
76	1,3,5-Trimethylbenzene	1.554	1.586	-2.1	93	0.00
77	t-1,4-Dichloro-2-butene	0.200	0.198	1.0	88	0.00
78	4-Chlorotoluene	1.481	1.545	-4.3	95	0.00
79	tert-butylbenzene	1.547	1.609	-4.0	94	0.00
80	1,2,4-Trimethylbenzene	1.585	1.626	-2.6	92	0.00
81	sec-Butylbenzene	1.912	2.002	-4.7	94	0.00
82	p-Isopropyltoluene	1.706	1.746	-2.3	92	0.00
83 M	1,3-Dichlorobenzene	0.915	0.935	-2.2	93	0.00
84 M	1,4-Dichlorobenzene	0.954	0.950	0.4	92	0.00
85	n-Butylbenzene	1.600	1.654	-3.4	93	0.00
86 T	Hexachloroethane	0.285	0.282	1.1	91	0.00
87 M	1,2-Dichlorobenzene	0.907	0.918	-1.2	91	0.00
88	1,2-Dibromo-3-Chloropropane	0.176	0.173	1.7	89	0.00
89	1,2,4-Trichlorobenzene	0.666	0.668	-0.3	92	0.00
90	Hexachlorobutadiene	0.287	0.280	2.4	93	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	2.328	2.357	-1.2	91	0.00
92	1,2,3-Trichlorobenzene	0.670	0.663	1.0	90	0.00

(#) = Out of Range

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