

Data Path : W:\HPCHEM1\MSVOA X\Data\VX030818\
 Data File : VX000214.D
 Acq On : 08 Mar 2018 09:45
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Mar 08 12:55:07 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	163#	0.00
2 M	Dichlorodifluoromethane	1.862	1.101	40.9#	98	0.00
3 M	Chloromethane	1.866	0.998	46.5#	86	0.00
4 M	Vinyl Chloride	2.220	1.180	46.8#	87	0.00
5 M	Bromomethane	2.046	1.009	50.7#	82	0.00
6 M	Chloroethane	1.421	0.822	42.2#	96	0.00
7 M	Trichlorofluoromethane	3.846	2.489	35.3#	107	0.00
8 T	Diethyl Ether	1.343	0.927	31.0#	109	0.00
9	1,1,2-Trichlorotrifluoroeth	2.099	1.471	29.9	114	0.00
10 M	1,1-Dichloroethene	2.005	1.118	44.2#	90	0.00
11	Methyl Iodide	1.948	0.943	51.6#	95	0.00
12	Methyl Acetate	3.582	3.381	5.6	153#	0.00
13 M	Acrolein	0.431	0.482	-11.8	191#	0.00
14 M	Acrylonitrile	1.552	1.310	15.6	137	-0.01
15 M	Acetone	0.506	0.548	-8.3	168#	0.00
16 M	Carbon Disulfide	5.733	1.636	71.5#	47	0.00
17	Allyl chloride	3.418	2.425	29.1	117	0.00
18 M	Methylene Chloride	2.184	1.413	35.3#	107	0.00
19 M	trans-1,2-Dichloroethene	2.181	1.257	42.4#	95	0.00
20 T	Diisopropyl ether	5.396	5.174	4.1	163#	-0.01
21 M	1,1-Dichloroethane	3.557	2.761	22.4	122	0.00
22 M	cis-1,2-Dichloroethene	2.026	1.429	29.5	116	0.00
23 M	tert-Butyl Alcohol	0.887	0.783	11.7	140	-0.02
24 M	Methyl tert-Butyl Ether	6.907	5.442	21.2	129	0.00
25 M	Chloroform	3.527	2.826	19.9	132	0.00
26	Cyclohexane	2.789	1.615	42.1#	96	0.00
27 s	1,2-Dichloroethane-d4	2.322	2.354	-1.4	166#	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	158#	0.00
29	1,1-Dichloropropene	0.437	0.303	30.7#	111	0.00
30 M	2-Butanone	0.336	0.338	-0.6	155#	-0.01
31	2,2-Dichloropropane	0.470	0.374	20.4	127	0.00
32 M	1,1,1-Trichloroethane	0.529	0.413	21.9	124	0.00
33 M	Carbon Tetrachloride	0.469	0.341	27.3	116	0.00
34 M	Benzene	1.257	0.923	26.6	115	0.00
35	Methacrylonitrile	0.310	0.274	11.6	140	0.00
36 M	1,2-Dichloroethane	0.477	0.397	16.8	131	0.00
37 M	Trichloroethene	0.372	0.268	28.0	113	0.00
38	Methylcyclohexane	0.524	0.330	37.0#	102	0.00
39 M	1,2-Dichloropropane	0.314	0.275	12.4	136	0.00
40	Dibromomethane	0.242	0.206	14.9	136	0.00
41 M	Bromodichloromethane	0.460	0.389	15.4	133	0.00
42 M	Vinyl Acetate	0.857	0.801	6.5	152#	0.00
43	Ethyl Acetate	0.591	0.489	17.3	128	-0.01
44	Isopropyl Acetate	0.867	0.771	11.1	141	0.00
45 T	1,4-Dioxane	0.011	0.008#	27.3	125	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.422	0.369	12.6	138	0.00
47	n-amyl Acetate	0.757	0.698	7.8	149	0.00
48 M	t-1,3-Dichloropropene	0.535	0.435	18.7	127	0.00
49 T	cis-1,3-Dichloropropene	0.521	0.451	13.4	136	0.00
50 M	1,1,2-Trichloroethane	0.355	0.312	12.1	142	0.00
51	Ethyl methacrylate	0.544	0.470	13.6	141	0.00
52	1,3-Dichloropropane	0.569	0.502	11.8	138	0.00
53 M	Dibromochloromethane	0.395	0.336	14.9	135	0.00
54 M	1,2-Dibromoethane	0.396	0.322	18.7	129	0.00
55 M	2-Chloroethyl vinyl ether	0.238	0.331	-39.1#	194#	0.00
56 M	Bromoform	0.320	0.257	19.7	130	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	166#	0.00
58 M	4-Methyl-2-Pentanone	0.657	0.639	2.7	157#	0.00
59 M	2-Hexanone	0.556	0.559	-0.5	161#	0.00
60 S	4-Bromofluorobenzene	0.491	0.505	-2.9	172#	0.00
61 M	Tetrachloroethene	0.364	0.253	30.5#	115	0.00
62 M	Toluene	1.561	1.173	24.9	123	0.00
63 S	Toluene-d8	1.285	1.289	-0.3	166#	0.00
64 M	Chlorobenzene	1.055	0.846	19.8	133	0.00
65	1,1,1,2-Tetrachloroethane	0.374	0.308	17.6	136	0.00
66 M	Ethyl Benzene	1.782	1.416	20.5	130	0.00
67 M	m/p-Xylenes	0.698	0.550	21.2	131	0.00
68 M	o-Xylene	0.678	0.548	19.2	133	0.00
69 M	Styrene	1.124	0.932	17.1	136	0.00
70	Isopropylbenzene	1.834	1.524	16.9	137	0.00
71 M	1,1,2,2-Tetrachloroethane	0.631	0.590	6.5	153#	0.00
72	1,2,3-Trichloropropane	0.566	0.542	4.2	153#	0.00
73	Bromobenzene	0.481	0.391	18.7	136	0.00
74	n-propylbenzene	2.150	1.871	13.0	143	0.00
75	2-Chlorotoluene	1.236	1.074	13.1	141	0.00
76	1,3,5-Trimethylbenzene	1.554	1.318	15.2	140	0.00
77	t-1,4-Dichloro-2-butene	0.200	0.167	16.5	135	0.00
78	4-Chlorotoluene	1.481	1.295	12.6	144	0.00
79	tert-butylbenzene	1.547	1.378	10.9	145	0.00
80	1,2,4-Trimethylbenzene	1.585	1.370	13.6	140	0.00
81	sec-Butylbenzene	1.912	1.727	9.7	147	0.00
82	p-Isopropyltoluene	1.706	1.498	12.2	143	0.00
83 M	1,3-Dichlorobenzene	0.915	0.812	11.3	146	0.00
84 M	1,4-Dichlorobenzene	0.954	0.805	15.6	141	0.00
85	n-Butylbenzene	1.600	1.495	6.6	153#	0.00
86 T	Hexachloroethane	0.285	0.231	18.9	135	0.00
87 M	1,2-Dichlorobenzene	0.907	0.796	12.2	143	0.00
88	1,2-Dibromo-3-Chloropropane	0.176	0.174	1.1	162#	0.00
89	1,2,4-Trichlorobenzene	0.666	0.586	12.0	147	0.00
90	Hexachlorobutadiene	0.287	0.248	13.6	149	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	2.328	2.064	11.3	144	0.00
92	1,2,3-Trichlorobenzene	0.670	0.586	12.5	144	0.00

(#) = Out of Range

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