

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX050820\
 Data File : VX016109.D
 Acq On : 08 May 2020 09:58
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 09 02:19:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	104	0.00
2 M	Dichlorodifluoromethane	2.066	2.334	-13.0	116	0.00
3 M	Chloromethane	2.025	2.238	-10.5	116	0.00
4 M	Vinyl Chloride	2.300	2.343	-1.9	110	0.00
5 M	Bromomethane	1.410	1.502	-6.5	103	0.00
6 M	Chloroethane	1.508	1.406	6.8	100	0.00
7 M	Trichlorofluoromethane	3.295	3.037	7.8	100	0.00
8 T	Diethyl Ether	1.315	1.200	8.7	102	0.00
9	1,1,2-Trichlorotrifluoroeth	1.701	1.753	-3.1	115	0.00
10 M	1,1-Dichloroethene	1.717	1.691	1.5	108	0.00
11	Methyl Iodide	2.344	2.029	13.4	100	0.00
12	Methyl Acetate	2.997	3.094	-3.2	111	0.00
13 M	Acrolein	0.240	0.210	12.5	112	0.00
14 M	Acrylonitrile	1.107	1.131	-2.2	115	0.00
15 M	Acetone	0.293	0.309	-5.5	119	0.00
16 M	Carbon Disulfide	5.222	5.349	-2.4	115	0.00
17	Allyl chloride	3.185	3.209	-0.8	111	0.00
18 M	Methylene Chloride	1.923	1.999	-4.0	116	0.00
19 M	trans-1,2-Dichloroethene	1.878	1.921	-2.3	115	0.00
20 T	Diisopropyl ether	6.140	6.161	-0.3	112	-0.01
21 M	1,1-Dichloroethane	3.424	3.489	-1.9	113	-0.01
22 M	cis-1,2-Dichloroethene	2.131	2.116	0.7	113	0.00
23 M	tert-Butyl Alcohol	0.542	0.527	2.8	109	-0.01
24 M	Methyl tert-Butyl Ether	6.165	6.209	-0.7	113	0.00
25 M	Chloroform	3.477	3.491	-0.4	112	-0.01
26	Cyclohexane	3.131	3.221	-2.9	115	0.00
27 s	1,2-Dichloroethane-d4	2.306	2.242	2.8	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	106	0.00
29	1,1-Dichloropropene	0.472	0.468	0.8	115	0.00
30 M	2-Butanone	0.281	0.263	6.4	107	0.00
31	2,2-Dichloropropane	0.568	0.552	2.8	110	0.00
32 M	1,1,1-Trichloroethane	0.572	0.545	4.7	109	-0.01
33 M	Carbon Tetrachloride	0.510	0.485	4.9	109	0.00
34 M	Benzene	1.378	1.380	-0.1	115	0.00
35	Methacrylonitrile	0.299	0.289	3.3	112	0.00
36 M	1,2-Dichloroethane	0.526	0.489	7.0	106	0.00
37 M	Trichloroethene	0.490	0.518	-5.7	115	0.00
38	Methylcyclohexane	0.577	0.588	-1.9	119	0.00
39 M	1,2-Dichloropropane	0.354	0.349	1.4	114	0.00
40	Dibromomethane	0.246	0.234	4.9	108	0.00
41 M	Bromodichloromethane	0.506	0.478	5.5	111	0.00
42 M	Vinyl Acetate	0.930	0.877	5.7	110	0.00
43	Ethyl Acetate	0.555	0.525	5.4	108	0.00
44	Isopropyl Acetate	0.900	0.837	7.0	107	0.00
45 T	1,4-Dioxane	0.010	0.009#	10.0	114	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.427	0.390	8.7	107	0.00
47	n-amyl Acetate	0.787	0.688	12.6	104	0.00
48 M	t-1,3-Dichloropropene	0.588	0.559	4.9	113	0.00
49 T	cis-1,3-Dichloropropene	0.608	0.598	1.6	114	0.00
50 M	1,1,2-Trichloroethane	0.346	0.332	4.0	112	0.00
51	Ethyl methacrylate	0.572	0.533	6.8	112	0.00
52	1,3-Dichloropropane	0.598	0.595	0.5	114	0.00
53 M	Dibromochloromethane	0.394	0.375	4.8	114	0.00
54 M	1,2-Dibromoethane	0.380	0.360	5.3	112	0.00
55 M	2-Chloroethyl vinyl ether	0.311	0.319	-2.6	124	0.00
56 M	Bromoform	0.297	0.271	8.8	113	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.592	0.582	1.7	109	0.00
59 M	2-Hexanone	0.457	0.453	0.9	111	0.00
60 S	4-Bromofluorobenzene	0.503	0.499	0.8	103	0.00
61 M	Tetrachloroethene	0.593	0.628	-5.9	112	0.00
62 M	Toluene	1.603	1.653	-3.1	115	0.00
63 S	Toluene-d8	1.287	1.342	-4.3	105	0.00
64 M	Chlorobenzene	1.021	1.031	-1.0	113	0.00
65	1,1,1,2-Tetrachloroethane	0.387	0.370	4.4	108	0.00
66 M	Ethyl Benzene	1.825	1.860	-1.9	114	0.00
67 M	m/p-Xylenes	0.695	0.704	-1.3	115	0.00
68 M	o-Xylene	0.670	0.668	0.3	114	0.00
69 M	Styrene	1.147	1.123	2.1	113	0.00
70	Isopropylbenzene	1.810	1.815	-0.3	114	0.00
71 M	1,1,2,2-Tetrachloroethane	0.336	0.245	27.1	103	0.00
72	1,2,3-Trichloropropane	0.545	0.567	-4.0	117	0.00
73	Bromobenzene	0.456	0.444	2.6	110	0.00
74	n-propylbenzene	2.102	2.118	-0.8	115	0.00
75	2-Chlorotoluene	1.236	1.235	0.1	114	0.00
76	1,3,5-Trimethylbenzene	1.536	1.536	0.0	115	0.00
77	t-1,4-Dichloro-2-butene	0.234	0.222	5.1	111	0.00
78	4-Chlorotoluene	1.462	1.435	1.8	112	0.00
79	tert-butylbenzene	1.312	1.265	3.6	113	0.00
80	1,2,4-Trimethylbenzene	1.535	1.526	0.6	114	0.00
81	sec-Butylbenzene	1.770	1.766	0.2	115	0.00
82	p-Isopropyltoluene	1.640	1.626	0.9	115	0.00
83 M	1,3-Dichlorobenzene	0.822	0.816	0.7	115	0.00
84 M	1,4-Dichlorobenzene	0.817	0.835	-2.2	119	0.00
85	n-Butylbenzene	1.498	1.470	1.9	115	0.00
86 T	Hexachloroethane	0.289	0.280	3.1	117	0.00
87 M	1,2-Dichlorobenzene	0.795	0.785	1.3	112	0.00
88	1,2-Dibromo-3-Chloropropane	0.141	0.128	9.2	106	0.00
89	1,2,4-Trichlorobenzene	0.586	0.581	0.9	114	0.00
90	Hexachlorobutadiene	0.252	0.272	-7.9	121	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.865	1.804	3.3	110	0.00
92	1,2,3-Trichlorobenzene	0.563	0.562	0.2	116	0.00

(#) = Out of Range

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