

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX011720\
 Data File : VX014643.D
 Acq On : 17 Jan 2020 09:46
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 18 05:25:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2 M	Dichlorodifluoromethane	2.073	2.331	-12.4	104	0.00
3 M	Chloromethane	2.270	2.427	-6.9	100	0.00
4 M	Vinyl Chloride	2.549	2.756	-8.1	102	0.00
5 M	Bromomethane	1.590	1.542	3.0	109	0.00
6 M	Chloroethane	1.437	1.554	-8.1	101	0.02
7 M	Trichlorofluoromethane	2.822	2.985	-5.8	104	0.00
8 T	Diethyl Ether	1.233	1.385	-12.3	112	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.843	-11.6	108	0.01
10 M	1,1-Dichloroethene	1.661	1.773	-6.7	106	0.00
11	Methyl Iodide	2.227	2.395	-7.5	110	0.00
12	Methyl Acetate	3.000	3.466	-15.5	111	0.00
13 M	Acrolein	0.315	0.277	12.1	86	0.00
14 M	Acrylonitrile	1.027	1.117	-8.8	104	0.00
15 M	Acetone	0.344	0.276	19.8	73	0.00
16 M	Carbon Disulfide	4.561	4.748	-4.1	105	0.00
17	Allyl chloride	3.074	3.185	-3.6	104	0.00
18 M	Methylene Chloride	1.944	2.097	-7.9	105	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.945	-8.8	108	0.00
20 T	Diisopropyl ether	6.081	6.776	-11.4	109	0.00
21 M	1,1-Dichloroethane	3.304	3.518	-6.5	105	0.00
22 M	cis-1,2-Dichloroethene	2.054	2.258	-9.9	109	0.00
23 M	tert-Butyl Alcohol	0.425	0.446	-4.9	106	-0.02
24 M	Methyl tert-Butyl Ether	5.527	6.191	-12.0	110	0.00
25 M	Chloroform	3.200	3.493	-9.2	108	0.00
26	Cyclohexane	3.047	3.283	-7.7	107	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.151	-2.0	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.440	0.484	-10.0	110	0.00
30 M	2-Butanone	0.279	0.283	-1.4	97	0.00
31	2,2-Dichloropropane	0.471	0.507	-7.6	109	0.00
32 M	1,1,1-Trichloroethane	0.487	0.533	-9.4	110	0.00
33 M	Carbon Tetrachloride	0.418	0.449	-7.4	109	0.00
34 M	Benzene	1.360	1.480	-8.8	106	0.00
35	Methacrylonitrile	0.278	0.303	-9.0	107	0.00
36 M	1,2-Dichloroethane	0.473	0.528	-11.6	109	0.00
37 M	Trichloroethene	0.372	0.415	-11.6	110	0.00
38	Methylcyclohexane	0.548	0.602	-9.9	109	0.00
39 M	1,2-Dichloropropane	0.354	0.384	-8.5	107	0.00
40	Dibromomethane	0.227	0.250	-10.1	110	0.00
41 M	Bromodichloromethane	0.445	0.479	-7.6	109	0.00
42 M	Vinyl Acetate	0.859	0.877	-2.1	101	0.00
43	Ethyl Acetate	0.505	0.544	-7.7	104	0.00
44	Isopropyl Acetate	0.814	0.888	-9.1	109	0.00
45 T	1,4-Dioxane	0.008	0.009#	-12.5	107	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.400	0.436	-9.0	109	0.00
47	n-amyl Acetate	0.682	0.734	-7.6	114	0.00
48 M	t-1,3-Dichloropropene	0.486	0.536	-10.3	113	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.600	-9.7	111	0.00
50 M	1,1,2-Trichloroethane	0.346	0.382	-10.4	108	0.00
51	Ethyl methacrylate	0.538	0.586	-8.9	114	0.00
52	1,3-Dichloropropane	0.586	0.651	-11.1	110	0.00
53 M	Dibromochloromethane	0.354	0.394	-11.3	115	0.00
54 M	1,2-Dibromoethane	0.359	0.401	-11.7	110	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.258	-4.5	105	0.00
56 M	Bromoform	0.272	0.285	-4.8	108	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.629	-11.3	108	0.00
59 M	2-Hexanone	0.437	0.494	-13.0	109	0.00
60 S	4-Bromofluorobenzene	0.480	0.493	-2.7	99	0.00
61 M	Tetrachloroethene	0.443	0.520	-17.4	114	0.00
62 M	Toluene	1.592	1.770	-11.2	109	0.00
63 S	Toluene-d8	1.355	1.392	-2.7	97	0.00
64 M	Chlorobenzene	0.994	1.107	-11.4	110	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.409	-11.4	110	0.00
66 M	Ethyl Benzene	1.734	1.899	-9.5	109	0.00
67 M	m/p-Xylenes	0.664	0.733	-10.4	109	0.00
68 M	o-Xylene	0.647	0.707	-9.3	109	0.00
69 M	Styrene	1.096	1.208	-10.2	111	0.00
70	Isopropylbenzene	1.694	1.901	-12.2	112	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.591	-3.5	102	0.00
72	1,2,3-Trichloropropane	0.488	0.544	-11.5	111	0.00
73	Bromobenzene	0.449	0.494	-10.0	110	0.00
74	n-propylbenzene	1.936	2.169	-12.0	114	0.00
75	2-Chlorotoluene	1.160	1.282	-10.5	111	0.00
76	1,3,5-Trimethylbenzene	1.412	1.579	-11.8	112	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.202	-7.4	116	0.00
78	4-Chlorotoluene	1.318	1.461	-10.8	112	0.00
79	tert-butylbenzene	1.321	1.447	-9.5	111	0.00
80	1,2,4-Trimethylbenzene	1.408	1.574	-11.8	111	0.00
81	sec-Butylbenzene	1.634	1.782	-9.1	111	0.00
82	p-Isopropyltoluene	1.492	1.668	-11.8	113	0.00
83 M	1,3-Dichlorobenzene	0.784	0.876	-11.7	113	0.00
84 M	1,4-Dichlorobenzene	0.777	0.880	-13.3	117	0.00
85	n-Butylbenzene	1.305	1.428	-9.4	116	0.00
86 T	Hexachloroethane	0.268	0.283	-5.6	112	0.00
87 M	1,2-Dichlorobenzene	0.791	0.868	-9.7	111	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.129	-5.7	107	0.00
89	1,2,4-Trichlorobenzene	0.522	0.589	-12.8	118	0.00
90	Hexachlorobutadiene	0.261	0.292	-11.9	116	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.730	-9.8	112	0.00
92	1,2,3-Trichlorobenzene	0.532	0.588	-10.5	115	0.00

(#) = Out of Range

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