

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX011620\
 Data File : VX014641.D
 Acq On : 16 Jan 2020 16:54
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 17 06:37:48 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	98	0.00
2 M	Dichlorodifluoromethane	2.073	2.133	-2.9	101	0.00
3 M	Chloromethane	2.270	2.259	0.5	98	0.00
4 M	Vinyl Chloride	2.549	2.547	0.1	99	0.00
5 M	Bromomethane	1.590	1.362	14.3	102	0.00
6 M	Chloroethane	1.437	1.366	4.9	93	0.02
7 M	Trichlorofluoromethane	2.822	2.711	3.9	100	0.01
8 T	Diethyl Ether	1.233	1.190	3.5	101	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.694	-2.6	105	0.01
10 M	1,1-Dichloroethene	1.661	1.627	2.0	103	0.00
11	Methyl Iodide	2.227	2.059	7.5	99	0.00
12	Methyl Acetate	3.000	2.844	5.2	96	0.00
13 M	Acrolein	0.315	0.258	18.1	84	0.00
14 M	Acrylonitrile	1.027	0.936	8.9	92	0.00
15 M	Acetone	0.344	0.225	34.6#	63	0.00
16 M	Carbon Disulfide	4.561	4.308	5.5	100	0.00
17	Allyl chloride	3.074	2.837	7.7	97	0.00
18 M	Methylene Chloride	1.944	2.620	-34.8#	138	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.752	2.0	102	0.00
20 T	Diisopropyl ether	6.081	5.932	2.5	100	0.00
21 M	1,1-Dichloroethane	3.304	3.138	5.0	98	0.00
22 M	cis-1,2-Dichloroethene	2.054	1.983	3.5	101	0.00
23 M	tert-Butyl Alcohol	0.425	0.371	12.7	92	-0.02
24 M	Methyl tert-Butyl Ether	5.527	5.355	3.1	100	0.00
25 M	Chloroform	3.200	3.072	4.0	100	0.00
26	Cyclohexane	3.047	2.976	2.3	102	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.149	-1.9	101	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.440	0.423	3.9	103	0.00
30 M	2-Butanone	0.279	0.227	18.6	83	-0.01
31	2,2-Dichloropropane	0.471	0.451	4.2	103	0.00
32 M	1,1,1-Trichloroethane	0.487	0.464	4.7	103	0.00
33 M	Carbon Tetrachloride	0.418	0.405	3.1	105	0.00
34 M	Benzene	1.360	1.315	3.3	101	0.00
35	Methacrylonitrile	0.278	0.253	9.0	95	0.00
36 M	1,2-Dichloroethane	0.473	0.447	5.5	99	0.00
37 M	Trichloroethene	0.372	0.364	2.2	103	0.00
38	Methylcyclohexane	0.548	0.531	3.1	103	0.00
39 M	1,2-Dichloropropane	0.354	0.335	5.4	100	0.00
40	Dibromomethane	0.227	0.214	5.7	101	0.00
41 M	Bromodichloromethane	0.445	0.405	9.0	99	0.00
42 M	Vinyl Acetate	0.859	0.811	5.6	100	0.00
43	Ethyl Acetate	0.505	0.451	10.7	92	-0.01
44	Isopropyl Acetate	0.814	0.745	8.5	98	0.00
45 T	1,4-Dioxane	0.008	0.007#	12.5	91	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.400	0.363	9.3	97	0.00
47	n-amyl Acetate	0.682	0.621	8.9	103	0.00
48 M	t-1,3-Dichloropropene	0.486	0.451	7.2	101	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.505	7.7	100	0.00
50 M	1,1,2-Trichloroethane	0.346	0.328	5.2	99	0.00
51	Ethyl methacrylate	0.538	0.499	7.2	103	0.00
52	1,3-Dichloropropane	0.586	0.558	4.8	101	0.00
53 M	Dibromochloromethane	0.354	0.325	8.2	101	0.00
54 M	1,2-Dibromoethane	0.359	0.339	5.6	99	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.232	6.1	101	0.00
56 M	Bromoform	0.272	0.243	10.7	99	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.510	9.7	94	0.00
59 M	2-Hexanone	0.437	0.385	11.9	92	0.00
60 S	4-Bromofluorobenzene	0.480	0.481	-0.2	104	0.00
61 M	Tetrachloroethene	0.443	0.428	3.4	101	0.00
62 M	Toluene	1.592	1.538	3.4	102	0.00
63 S	Toluene-d8	1.355	1.370	-1.1	103	0.00
64 M	Chlorobenzene	0.994	0.947	4.7	101	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.347	5.4	100	0.00
66 M	Ethyl Benzene	1.734	1.674	3.5	103	0.00
67 M	m/p-Xylenes	0.664	0.641	3.5	103	0.00
68 M	o-Xylene	0.647	0.613	5.3	102	0.00
69 M	Styrene	1.096	1.044	4.7	103	0.00
70	Isopropylbenzene	1.694	1.660	2.0	105	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.517	9.5	96	0.00
72	1,2,3-Trichloropropane	0.488	0.448	8.2	98	0.00
73	Bromobenzene	0.449	0.427	4.9	102	0.00
74	n-propylbenzene	1.936	1.907	1.5	107	0.00
75	2-Chlorotoluene	1.160	1.108	4.5	103	0.00
76	1,3,5-Trimethylbenzene	1.412	1.377	2.5	105	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.161	14.4	99	0.00
78	4-Chlorotoluene	1.318	1.275	3.3	105	0.00
79	tert-butylbenzene	1.321	1.271	3.8	105	0.00
80	1,2,4-Trimethylbenzene	1.408	1.358	3.6	103	0.00
81	sec-Butylbenzene	1.634	1.613	1.3	108	0.00
82	p-Isopropyltoluene	1.492	1.460	2.1	106	0.00
83 M	1,3-Dichlorobenzene	0.784	0.752	4.1	104	0.00
84 M	1,4-Dichlorobenzene	0.777	0.765	1.5	109	0.00
85	n-Butylbenzene	1.305	1.275	2.3	111	0.00
86 T	Hexachloroethane	0.268	0.241	10.1	102	0.00
87 M	1,2-Dichlorobenzene	0.791	0.746	5.7	102	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.107	12.3	96	0.00
89	1,2,4-Trichlorobenzene	0.522	0.506	3.1	109	0.00
90	Hexachlorobutadiene	0.261	0.254	2.7	108	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.495	5.1	104	0.00
92	1,2,3-Trichlorobenzene	0.532	0.522	1.9	109	0.00

(#) = Out of Range

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