

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX011620\
 Data File : VX014628.D
 Acq On : 16 Jan 2020 10:07
 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 17 06:07:22 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	2.185	-5.4	97	0.00
3 M	Chloromethane	2.270	2.321	-2.2	95	0.00
4 M	Vinyl Chloride	2.549	2.636	-3.4	97	0.00
5 M	Bromomethane	1.590	1.367	14.0	96	0.00
6 M	Chloroethane	1.437	1.475	-2.6	95	0.02
7 M	Trichlorofluoromethane	2.822	2.862	-1.4	100	0.01
8 T	Diethyl Ether	1.233	1.235	-0.2	99	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.756	-6.4	102	0.01
10 M	1,1-Dichloroethene	1.661	1.674	-0.8	100	0.00
11	Methyl Iodide	2.227	2.090	6.2	95	0.00
12	Methyl Acetate	3.000	2.964	1.2	94	0.00
13 M	Acrolein	0.315	0.273	13.3	84	0.00
14 M	Acrylonitrile	1.027	0.996	3.0	92	0.00
15 M	Acetone	0.344	0.384	-11.6	102	0.00
16 M	Carbon Disulfide	4.561	4.481	1.8	98	0.00
17	Allyl chloride	3.074	2.935	4.5	95	0.00
18 M	Methylene Chloride	1.944	1.965	-1.1	97	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.804	-0.9	99	0.00
20 T	Diisopropyl ether	6.081	6.110	-0.5	98	0.00
21 M	1,1-Dichloroethane	3.304	3.275	0.9	97	0.00
22 M	cis-1,2-Dichloroethene	2.054	2.032	1.1	98	0.00
23 M	tert-Butyl Alcohol	0.425	0.392	7.8	92	-0.02
24 M	Methyl tert-Butyl Ether	5.527	5.453	1.3	96	0.00
25 M	Chloroform	3.200	3.227	-0.8	99	0.00
26	Cyclohexane	3.047	3.026	0.7	98	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.161	-2.5	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.440	0.443	-0.7	101	0.00
30 M	2-Butanone	0.279	0.288	-3.2	99	0.00
31	2,2-Dichloropropane	0.471	0.464	1.5	99	0.00
32 M	1,1,1-Trichloroethane	0.487	0.485	0.4	100	0.00
33 M	Carbon Tetrachloride	0.418	0.411	1.7	100	0.00
34 M	Benzene	1.360	1.351	0.7	97	0.00
35	Methacrylonitrile	0.278	0.258	7.2	91	0.00
36 M	1,2-Dichloroethane	0.473	0.468	1.1	97	0.00
37 M	Trichloroethene	0.372	0.372	0.0	99	0.00
38	Methylcyclohexane	0.548	0.552	-0.7	100	0.00
39 M	1,2-Dichloropropane	0.354	0.355	-0.3	99	0.00
40	Dibromomethane	0.227	0.229	-0.9	101	0.00
41 M	Bromodichloromethane	0.445	0.435	2.2	99	0.00
42 M	Vinyl Acetate	0.859	0.841	2.1	97	0.00
43	Ethyl Acetate	0.505	0.483	4.4	92	-0.01
44	Isopropyl Acetate	0.814	0.777	4.5	95	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	94	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	0.400	0.381	4.8	95	0.00
47	n-amyl Acetate	0.682	0.629	7.8	98	0.00
48 M	t-1,3-Dichloropropene	0.486	0.469	3.5	99	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.529	3.3	98	0.00
50 M	1,1,2-Trichloroethane	0.346	0.344	0.6	97	0.00
51	Ethyl methacrylate	0.538	0.504	6.3	98	0.00
52	1,3-Dichloropropane	0.586	0.580	1.0	98	0.00
53 M	Dibromochloromethane	0.354	0.348	1.7	101	0.00
54 M	1,2-Dibromoethane	0.359	0.355	1.1	97	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.240	2.8	98	0.00
56 M	Bromoform	0.272	0.253	7.0	96	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.552	2.3	95	0.00
59 M	2-Hexanone	0.437	0.443	-1.4	98	0.00
60 S	4-Bromofluorobenzene	0.480	0.486	-1.3	97	0.00
61 M	Tetrachloroethene	0.443	0.444	-0.2	98	0.00
62 M	Toluene	1.592	1.613	-1.3	99	0.00
63 S	Toluene-d8	1.355	1.381	-1.9	96	0.00
64 M	Chlorobenzene	0.994	0.997	-0.3	99	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.360	1.9	97	0.00
66 M	Ethyl Benzene	1.734	1.744	-0.6	100	0.00
67 M	m/p-Xylenes	0.664	0.665	-0.2	99	0.00
68 M	o-Xylene	0.647	0.637	1.5	98	0.00
69 M	Styrene	1.096	1.083	1.2	100	0.00
70	Isopropylbenzene	1.694	1.708	-0.8	101	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.548	4.0	95	0.00
72	1,2,3-Trichloropropane	0.488	0.478	2.0	97	0.00
73	Bromobenzene	0.449	0.445	0.9	99	0.00
74	n-propylbenzene	1.936	1.947	-0.6	102	0.00
75	2-Chlorotoluene	1.160	1.171	-0.9	101	0.00
76	1,3,5-Trimethylbenzene	1.412	1.413	-0.1	100	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.169	10.1	97	0.00
78	4-Chlorotoluene	1.318	1.319	-0.1	101	0.00
79	tert-butylbenzene	1.321	1.315	0.5	101	0.00
80	1,2,4-Trimethylbenzene	1.408	1.442	-2.4	102	0.00
81	sec-Butylbenzene	1.634	1.662	-1.7	104	0.00
82	p-Isopropyltoluene	1.492	1.509	-1.1	102	0.00
83 M	1,3-Dichlorobenzene	0.784	0.792	-1.0	102	0.00
84 M	1,4-Dichlorobenzene	0.777	0.791	-1.8	105	0.00
85	n-Butylbenzene	1.305	1.286	1.5	105	0.00
86 T	Hexachloroethane	0.268	0.253	5.6	100	0.00
87 M	1,2-Dichlorobenzene	0.791	0.792	-0.1	101	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.115	5.7	95	0.00
89	1,2,4-Trichlorobenzene	0.522	0.515	1.3	103	0.00
90	Hexachlorobutadiene	0.261	0.260	0.4	103	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.500	4.8	97	0.00
92	1,2,3-Trichlorobenzene	0.532	0.529	0.6	103	0.00

(#) = Out of Range

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