

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014835.D
 Acq On : 05 Feb 2020 20:10
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 06 03:31:07 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	92	0.00
2 M	Dichlorodifluoromethane	2.073	1.993	3.9	88	0.00
3 M	Chloromethane	2.270	2.075	8.6	84	0.00
4 M	Vinyl Chloride	2.549	2.431	4.6	89	0.00
5 M	Bromomethane	1.590	1.516	4.7	106	0.00
6 M	Chloroethane	1.437	1.364	5.1	87	0.02
7 M	Trichlorofluoromethane	2.822	2.825	-0.1	97	0.01
8 T	Diethyl Ether	1.233	1.217	1.3	97	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.629	1.3	94	0.00
10 M	1,1-Dichloroethene	1.661	1.668	-0.4	98	0.00
11	Methyl Iodide	2.227	2.232	-0.2	101	0.00
12	Methyl Acetate	3.000	3.030	-1.0	95	0.00
13 M	Acrolein	0.315	0.265	15.9	81	0.00
14 M	Acrylonitrile	1.027	0.965	6.0	89	0.00
15 M	Acetone	0.344	0.315	8.4	83	0.00
16 M	Carbon Disulfide	4.561	4.135	9.3	90	0.00
17	Allyl chloride	3.074	2.847	7.4	91	0.00
18 M	Methylene Chloride	1.944	1.925	1.0	95	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.781	0.4	97	0.00
20 T	Diisopropyl ether	6.081	5.987	1.5	95	0.00
21 M	1,1-Dichloroethane	3.304	3.222	2.5	94	0.00
22 M	cis-1,2-Dichloroethene	2.054	2.047	0.3	98	0.00
23 M	tert-Butyl Alcohol	0.425	0.421	0.9	98	-0.02
24 M	Methyl tert-Butyl Ether	5.527	5.677	-2.7	99	0.00
25 M	Chloroform	3.200	3.202	-0.1	97	0.00
26	Cyclohexane	3.047	2.846	6.6	91	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.111	-0.1	93	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
29	1,1-Dichloropropene	0.440	0.428	2.7	95	0.00
30 M	2-Butanone	0.279	0.264	5.4	88	0.00
31	2,2-Dichloropropane	0.471	0.459	2.5	96	0.00
32 M	1,1,1-Trichloroethane	0.487	0.502	-3.1	101	0.00
33 M	Carbon Tetrachloride	0.418	0.426	-1.9	101	0.00
34 M	Benzene	1.360	1.346	1.0	94	0.00
35	Methacrylonitrile	0.278	0.262	5.8	90	0.00
36 M	1,2-Dichloroethane	0.473	0.488	-3.2	98	0.00
37 M	Trichloroethene	0.372	0.383	-3.0	99	0.00
38	Methylcyclohexane	0.548	0.518	5.5	92	0.00
39 M	1,2-Dichloropropane	0.354	0.342	3.4	93	0.00
40	Dibromomethane	0.227	0.224	1.3	96	0.00
41 M	Bromodichloromethane	0.445	0.447	-0.4	99	0.00
42 M	Vinyl Acetate	0.859	0.839	2.3	95	0.00
43	Ethyl Acetate	0.505	0.498	1.4	93	0.00
44	Isopropyl Acetate	0.814	0.807	0.9	96	0.00
45 T	1,4-Dioxane	0.008	0.008#	0.0	96	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.400	0.387	3.3	94	0.00
47	n-amyl Acetate	0.682	0.674	1.2	102	0.00
48 M	t-1,3-Dichloropropene	0.486	0.490	-0.8	100	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.538	1.6	97	0.00
50 M	1,1,2-Trichloroethane	0.346	0.354	-2.3	98	0.00
51	Ethyl methacrylate	0.538	0.532	1.1	100	0.00
52	1,3-Dichloropropane	0.586	0.584	0.3	96	0.00
53 M	Dibromochloromethane	0.354	0.363	-2.5	103	0.00
54 M	1,2-Dibromoethane	0.359	0.368	-2.5	98	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.230	6.9	91	0.00
56 M	Bromoform	0.272	0.270	0.7	100	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.556	1.6	93	0.00
59 M	2-Hexanone	0.437	0.420	3.9	90	0.00
60 S	4-Bromofluorobenzene	0.480	0.468	2.5	91	0.00
61 M	Tetrachloroethene	0.443	0.464	-4.7	99	0.00
62 M	Toluene	1.592	1.621	-1.8	97	0.00
63 S	Toluene-d8	1.355	1.341	1.0	91	0.00
64 M	Chlorobenzene	0.994	1.018	-2.4	98	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.379	-3.3	99	0.00
66 M	Ethyl Benzene	1.734	1.765	-1.8	99	0.00
67 M	m/p-Xylenes	0.664	0.680	-2.4	99	0.00
68 M	o-Xylene	0.647	0.654	-1.1	98	0.00
69 M	Styrene	1.096	1.101	-0.5	99	0.00
70	Isopropylbenzene	1.694	1.749	-3.2	101	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.577	-1.1	97	0.00
72	1,2,3-Trichloropropane	0.488	0.482	1.2	95	0.00
73	Bromobenzene	0.449	0.467	-4.0	101	0.00
74	n-propylbenzene	1.936	1.978	-2.2	101	0.00
75	2-Chlorotoluene	1.160	1.172	-1.0	99	0.00
76	1,3,5-Trimethylbenzene	1.412	1.450	-2.7	100	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.178	5.3	100	0.00
78	4-Chlorotoluene	1.318	1.334	-1.2	100	0.00
79	tert-butylbenzene	1.321	1.377	-4.2	103	0.00
80	1,2,4-Trimethylbenzene	1.408	1.451	-3.1	100	0.00
81	sec-Butylbenzene	1.634	1.647	-0.8	100	0.00
82	p-Isopropyltoluene	1.492	1.550	-3.9	102	0.00
83 M	1,3-Dichlorobenzene	0.784	0.814	-3.8	102	0.00
84 M	1,4-Dichlorobenzene	0.777	0.800	-3.0	103	0.00
85	n-Butylbenzene	1.305	1.269	2.8	100	0.00
86 T	Hexachloroethane	0.268	0.260	3.0	100	0.00
87 M	1,2-Dichlorobenzene	0.791	0.810	-2.4	101	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.127	-4.1	103	0.00
89	1,2,4-Trichlorobenzene	0.522	0.554	-6.1	108	0.00
90	Hexachlorobutadiene	0.261	0.270	-3.4	104	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.680	-6.6	106	0.00
92	1,2,3-Trichlorobenzene	0.532	0.566	-6.4	107	0.00

(#) = Out of Range

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