

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014712.D
 Acq On : 24 Jan 2020 21:12
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jan 24 23:54:55 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	95	0.00
2 M	Dichlorodifluoromethane	2.073	2.037	1.7	92	0.00
3 M	Chloromethane	2.270	2.223	2.1	93	0.00
4 M	Vinyl Chloride	2.549	2.497	2.0	94	0.00
5 M	Bromomethane	1.590	1.579	0.7	113	0.00
6 M	Chloroethane	1.437	1.437	0.0	94	0.02
7 M	Trichlorofluoromethane	2.822	2.757	2.3	98	0.00
8 T	Diethyl Ether	1.233	1.258	-2.0	103	0.00
9	1,1,2-Trichlorotrifluoroeth	1.651	1.613	2.3	96	0.01
10 M	1,1-Dichloroethene	1.661	1.633	1.7	99	0.00
11	Methyl Iodide	2.227	2.203	1.1	102	0.00
12	Methyl Acetate	3.000	3.152	-5.1	102	0.00
13 M	Acrolein	0.315	0.312	1.0	98	0.00
14 M	Acrylonitrile	1.027	1.028	-0.1	97	0.00
15 M	Acetone	0.344	0.344	0.0	93	0.00
16 M	Carbon Disulfide	4.561	4.293	5.9	96	0.00
17	Allyl chloride	3.074	2.950	4.0	98	0.00
18 M	Methylene Chloride	1.944	1.955	-0.6	99	0.00
19 M	trans-1,2-Dichloroethene	1.788	1.720	3.8	97	0.00
20 T	Diisopropyl ether	6.081	6.040	0.7	98	0.00
21 M	1,1-Dichloroethane	3.304	3.315	-0.3	100	0.00
22 M	cis-1,2-Dichloroethene	2.054	2.022	1.6	99	0.00
23 M	tert-Butyl Alcohol	0.425	0.424	0.2	102	-0.02
24 M	Methyl tert-Butyl Ether	5.527	5.559	-0.6	100	0.00
25 M	Chloroform	3.200	3.165	1.1	99	0.00
26	Cyclohexane	3.047	2.897	4.9	95	0.00
27 s	1,2-Dichloroethane-d4	2.109	2.125	-0.8	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
29	1,1-Dichloropropene	0.440	0.424	3.6	97	0.00
30 M	2-Butanone	0.279	0.276	1.1	96	0.00
31	2,2-Dichloropropane	0.471	0.423	10.2	91	0.00
32 M	1,1,1-Trichloroethane	0.487	0.492	-1.0	103	0.00
33 M	Carbon Tetrachloride	0.418	0.408	2.4	100	0.00
34 M	Benzene	1.360	1.357	0.2	98	0.00
35	Methacrylonitrile	0.278	0.273	1.8	97	0.00
36 M	1,2-Dichloroethane	0.473	0.480	-1.5	100	0.00
37 M	Trichloroethene	0.372	0.391	-5.1	104	0.00
38	Methylcyclohexane	0.548	0.511	6.8	94	0.00
39 M	1,2-Dichloropropane	0.354	0.347	2.0	98	0.00
40	Dibromomethane	0.227	0.233	-2.6	104	0.00
41 M	Bromodichloromethane	0.445	0.439	1.3	101	0.00
42 M	Vinyl Acetate	0.859	0.647	24.7	75	0.00
43	Ethyl Acetate	0.505	0.486	3.8	94	0.00
44	Isopropyl Acetate	0.814	0.791	2.8	98	0.00
45 T	1,4-Dioxane	0.008	0.009#	-12.5	103	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.400	0.389	2.8	98	0.00
47	n-amyl Acetate	0.682	0.685	-0.4	107	0.00
48 M	t-1,3-Dichloropropene	0.486	0.470	3.3	100	0.00
49 T	cis-1,3-Dichloropropene	0.547	0.530	3.1	99	0.00
50 M	1,1,2-Trichloroethane	0.346	0.350	-1.2	100	0.00
51	Ethyl methacrylate	0.538	0.516	4.1	101	0.00
52	1,3-Dichloropropane	0.586	0.595	-1.5	102	0.00
53 M	Dibromochloromethane	0.354	0.357	-0.8	105	0.00
54 M	1,2-Dibromoethane	0.359	0.363	-1.1	100	0.00
55 M	2-Chloroethyl vinyl ether	0.247	0.240	2.8	98	0.00
56 M	Bromoform	0.272	0.256	5.9	98	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
58 M	4-Methyl-2-Pentanone	0.565	0.573	-1.4	99	0.00
59 M	2-Hexanone	0.437	0.443	-1.4	99	0.00
60 S	4-Bromofluorobenzene	0.480	0.478	0.4	97	0.00
61 M	Tetrachloroethene	0.443	0.588	-32.7#	131	0.00
62 M	Toluene	1.592	1.603	-0.7	100	0.00
63 S	Toluene-d8	1.355	1.357	-0.1	95	0.00
64 M	Chlorobenzene	0.994	1.005	-1.1	101	0.00
65	1,1,1,2-Tetrachloroethane	0.367	0.370	-0.8	100	0.00
66 M	Ethyl Benzene	1.734	1.740	-0.3	101	0.00
67 M	m/p-Xylenes	0.664	0.669	-0.8	101	0.00
68 M	o-Xylene	0.647	0.645	0.3	101	0.00
69 M	Styrene	1.096	1.088	0.7	101	0.00
70	Isopropylbenzene	1.694	1.699	-0.3	101	0.00
71 M	1,1,2,2-Tetrachloroethane	0.571	0.519	9.1	91	0.00
72	1,2,3-Trichloropropane	0.488	0.473	3.1	97	0.00
73	Bromobenzene	0.449	0.449	0.0	101	0.00
74	n-propylbenzene	1.936	1.925	0.6	102	0.00
75	2-Chlorotoluene	1.160	1.157	0.3	101	0.00
76	1,3,5-Trimethylbenzene	1.412	1.405	0.5	101	0.00
77	t-1,4-Dichloro-2-butene	0.188	0.169	10.1	98	0.00
78	4-Chlorotoluene	1.318	1.307	0.8	101	0.00
79	tert-butylbenzene	1.321	1.188	10.1	92	0.00
80	1,2,4-Trimethylbenzene	1.408	1.397	0.8	99	0.00
81	sec-Butylbenzene	1.634	1.610	1.5	102	0.00
82	p-Isopropyltoluene	1.492	1.451	2.7	99	0.00
83 M	1,3-Dichlorobenzene	0.784	0.779	0.6	101	0.00
84 M	1,4-Dichlorobenzene	0.777	0.784	-0.9	105	0.00
85	n-Butylbenzene	1.305	1.213	7.0	100	0.00
86 T	Hexachloroethane	0.268	0.257	4.1	102	0.00
87 M	1,2-Dichlorobenzene	0.791	0.790	0.1	102	0.00
88	1,2-Dibromo-3-Chloropropane	0.122	0.120	1.6	101	0.00
89	1,2,4-Trichlorobenzene	0.522	0.508	2.7	103	0.00
90	Hexachlorobutadiene	0.261	0.253	3.1	101	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.576	1.549	1.7	101	0.00
92	1,2,3-Trichlorobenzene	0.532	0.524	1.5	103	0.00

(#) = Out of Range

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