

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX022820\
 Data File : VX015049.D
 Acq On : 28 Feb 2020 08:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 28 23:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 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	1.340	1.209	9.8	96	0.00
3 M	Chloromethane	1.732	1.696	2.1	103	0.00
4 M	Vinyl Chloride	1.864	1.698	8.9	97	0.00
5 M	Bromomethane	1.306	1.123	14.0	95	0.00
6 M	Chloroethane	1.249	1.136	9.0	94	0.00
7 M	Trichlorofluoromethane	2.713	2.356	13.2	91	0.00
8 T	Diethyl Ether	1.141	1.039	8.9	96	0.00
9	1,1,2-Trichlorotrifluoroeth	1.569	1.492	4.9	99	0.00
10 M	1,1-Dichloroethene	1.577	1.455	7.7	98	0.00
11	Methyl Iodide	1.916	1.368	28.6	82	0.00
12	Methyl Acetate	1.962	1.940	1.1	105	0.00
13 M	Acrolein	0.390	0.360	7.7	99	0.00
14 M	Acrylonitrile	0.886	0.875	1.2	106	0.00
15 M	Acetone	0.317	0.369	-16.4	112	0.00
16 M	Carbon Disulfide	4.240	3.897	8.1	100	0.00
17	Allyl chloride	2.743	2.676	2.4	105	0.00
18 M	Methylene Chloride	1.817	1.726	5.0	98	0.00
19 M	trans-1,2-Dichloroethene	1.732	1.619	6.5	99	0.00
20 T	Diisopropyl ether	5.603	5.519	1.5	102	0.00
21 M	1,1-Dichloroethane	3.071	2.946	4.1	102	0.00
22 M	cis-1,2-Dichloroethene	1.982	1.842	7.1	96	0.00
23 M	tert-Butyl Alcohol	0.351	0.338	3.7	103	0.00
24 M	Methyl tert-Butyl Ether	5.247	4.834	7.9	98	0.00
25 M	Chloroform	3.097	2.834	8.5	95	0.00
26	Cyclohexane	2.745	2.577	6.1	99	0.00
27 s	1,2-Dichloroethane-d4	2.086	2.003	4.0	94	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.424	0.410	3.3	100	0.00
30 M	2-Butanone	0.245	0.267	-9.0	107	0.00
31	2,2-Dichloropropane	0.466	0.435	6.7	97	0.00
32 M	1,1,1-Trichloroethane	0.482	0.449	6.8	97	0.00
33 M	Carbon Tetrachloride	0.422	0.386	8.5	95	-0.01
34 M	Benzene	1.280	1.255	2.0	100	0.00
35	Methacrylonitrile	0.250	0.248	0.8	105	0.00
36 M	1,2-Dichloroethane	0.453	0.425	6.2	96	0.00
37 M	Trichloroethene	0.360	0.352	2.2	103	0.00
38	Methylcyclohexane	0.526	0.492	6.5	98	0.00
39 M	1,2-Dichloropropane	0.330	0.318	3.6	100	0.00
40	Dibromomethane	0.220	0.217	1.4	100	0.00
41 M	Bromodichloromethane	0.435	0.414	4.8	99	0.00
42 M	Vinyl Acetate	0.862	0.846	1.9	101	0.00
43	Ethyl Acetate	0.443	0.447	-0.9	103	0.00
44	Isopropyl Acetate	0.745	0.702	5.8	98	0.00
45 T	1,4-Dioxane	0.007	0.007#	0.0	105	0.00

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Quant Time: Feb 28 23:31:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 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)
46	Methyl methacrylate	0.369	0.346	6.2	100	0.00
47	n-amyl Acetate	0.645	0.580	10.1	97	0.00
48 M	t-1,3-Dichloropropene	0.482	0.437	9.3	97	0.00
49 T	cis-1,3-Dichloropropene	0.531	0.501	5.6	99	0.00
50 M	1,1,2-Trichloroethane	0.328	0.305	7.0	93	0.00
51	Ethyl methacrylate	0.506	0.444	12.3	94	0.00
52	1,3-Dichloropropane	0.555	0.525	5.4	96	0.00
53 M	Dibromochloromethane	0.354	0.313	11.6	92	0.00
54 M	1,2-Dibromoethane	0.348	0.323	7.2	96	0.00
55 M	2-Chloroethyl vinyl ether	0.270	0.261	3.3	99	0.00
56 M	Bromoform	0.278	0.242	12.9	93	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	0.492	0.525	-6.7	102	0.00
59 M	2-Hexanone	0.384	0.431	-12.2	105	0.00
60 S	4-Bromofluorobenzene	0.467	0.498	-6.6	96	0.00
61 M	Tetrachloroethene	0.403	0.411	-2.0	96	0.00
62 M	Toluene	1.537	1.591	-3.5	99	0.00
63 S	Toluene-d8	1.308	1.423	-8.8	96	0.00
64 M	Chlorobenzene	0.981	0.930	5.2	91	0.00
65	1,1,1,2-Tetrachloroethane	0.363	0.341	6.1	90	0.00
66 M	Ethyl Benzene	1.693	1.614	4.7	92	0.00
67 M	m/p-Xylenes	0.653	0.631	3.4	93	0.00
68 M	o-Xylene	0.632	0.622	1.6	96	0.00
69 M	Styrene	1.079	1.065	1.3	97	0.00
70	Isopropylbenzene	1.678	1.730	-3.1	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.540	0.563	-4.3	100	0.00
72	1,2,3-Trichloropropane	0.448	0.484	-8.0	103	0.00
73	Bromobenzene	0.453	0.454	-0.2	96	0.00
74	n-propylbenzene	1.909	1.994	-4.5	101	0.00
75	2-Chlorotoluene	1.128	1.198	-6.2	101	0.00
76	1,3,5-Trimethylbenzene	1.406	1.431	-1.8	98	0.00
77	t-1,4-Dichloro-2-butene	0.181	0.175	3.3	101	0.00
78	4-Chlorotoluene	1.305	1.370	-5.0	102	0.00
79	tert-butylbenzene	1.358	1.373	-1.1	99	0.00
80	1,2,4-Trimethylbenzene	1.398	1.444	-3.3	99	0.00
81	sec-Butylbenzene	1.627	1.694	-4.1	101	0.00
82	p-Isopropyltoluene	1.511	1.561	-3.3	100	0.00
83 M	1,3-Dichlorobenzene	0.795	0.810	-1.9	101	0.00
84 M	1,4-Dichlorobenzene	0.800	0.818	-2.2	100	0.00
85	n-Butylbenzene	1.315	1.339	-1.8	103	0.00
86 T	Hexachloroethane	0.273	0.269	1.5	103	0.00
87 M	1,2-Dichlorobenzene	0.791	0.810	-2.4	100	0.00
88	1,2-Dibromo-3-Chloropropane	0.118	0.116	1.7	98	0.00
89	1,2,4-Trichlorobenzene	0.569	0.565	0.7	101	0.00
90	Hexachlorobutadiene	0.282	0.289	-2.5	103	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.610	1.568	2.6	95	0.00
92	1,2,3-Trichlorobenzene	0.565	0.569	-0.7	101	0.00

(#) = Out of Range

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