

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX043020\
 Data File : VX016000.D
 Acq On : 30 Apr 2020 17:08
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: May 01 08:52:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 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	2.066	1.995	3.4	94	0.00
3 M	Chloromethane	2.025	1.950	3.7	96	0.00
4 M	Vinyl Chloride	2.300	2.128	7.5	94	0.00
5 M	Bromomethane	1.410	1.482	-5.1	96	0.00
6 M	Chloroethane	1.508	1.403	7.0	94	0.00
7 M	Trichlorofluoromethane	3.295	3.155	4.2	98	0.00
8 T	Diethyl Ether	1.315	1.232	6.3	99	0.00
9	1,1,2-Trichlorotrifluoroeth	1.701	1.542	9.3	96	0.00
10 M	1,1-Dichloroethene	1.717	1.526	11.1	93	0.00
11	Methyl Iodide	2.344	2.020	13.8	95	0.00
12	Methyl Acetate	2.997	2.891	3.5	98	0.00
13 M	Acrolein	0.240	0.209	12.9	106	0.00
14 M	Acrylonitrile	1.107	1.031	6.9	99	0.00
15 M	Acetone	0.293	0.281	4.1	103	0.00
16 M	Carbon Disulfide	5.222	4.665	10.7	95	0.00
17	Allyl chloride	3.185	2.897	9.0	95	0.00
18 M	Methylene Chloride	1.923	1.764	8.3	97	0.00
19 M	trans-1,2-Dichloroethene	1.878	1.706	9.2	96	0.00
20 T	Diisopropyl ether	6.140	5.622	8.4	97	0.00
21 M	1,1-Dichloroethane	3.424	3.118	8.9	96	0.00
22 M	cis-1,2-Dichloroethene	2.131	1.918	10.0	97	0.00
23 M	tert-Butyl Alcohol	0.542	0.510	5.9	100	0.00
24 M	Methyl tert-Butyl Ether	6.165	5.736	7.0	99	0.00
25 M	Chloroform	3.477	3.155	9.3	96	0.00
26	Cyclohexane	3.131	2.828	9.7	95	0.00
27 s	1,2-Dichloroethane-d4	2.306	2.345	-1.7	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
29	1,1-Dichloropropene	0.472	0.421	10.8	96	0.00
30 M	2-Butanone	0.281	0.265	5.7	100	0.00
31	2,2-Dichloropropane	0.568	0.493	13.2	91	0.00
32 M	1,1,1-Trichloroethane	0.572	0.520	9.1	96	0.00
33 M	Carbon Tetrachloride	0.510	0.462	9.4	97	0.00
34 M	Benzene	1.378	1.245	9.7	96	0.00
35	Methacrylonitrile	0.299	0.273	8.7	98	0.00
36 M	1,2-Dichloroethane	0.526	0.483	8.2	97	0.00
37 M	Trichloroethene	0.490	0.445	9.2	92	0.00
38	Methylcyclohexane	0.577	0.507	12.1	95	0.00
39 M	1,2-Dichloropropane	0.354	0.319	9.9	96	0.00
40	Dibromomethane	0.246	0.220	10.6	94	0.00
41 M	Bromodichloromethane	0.506	0.448	11.5	97	0.00
42 M	Vinyl Acetate	0.930	0.840	9.7	97	0.00
43	Ethyl Acetate	0.555	0.523	5.8	100	0.00
44	Isopropyl Acetate	0.900	0.833	7.4	99	0.00
45 T	1,4-Dioxane	0.010	0.009#	10.0	99	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.427	0.386	9.6	98	0.00
47	n-amyl Acetate	0.787	0.688	12.6	96	0.00
48 M	t-1,3-Dichloropropene	0.588	0.516	12.2	96	0.00
49 T	cis-1,3-Dichloropropene	0.608	0.542	10.9	96	0.00
50 M	1,1,2-Trichloroethane	0.346	0.312	9.8	97	0.00
51	Ethyl methacrylate	0.572	0.511	10.7	100	0.00
52	1,3-Dichloropropane	0.598	0.543	9.2	97	0.00
53 M	Dibromochloromethane	0.394	0.341	13.5	96	0.00
54 M	1,2-Dibromoethane	0.380	0.337	11.3	97	0.00
55 M	2-Chloroethyl vinyl ether	0.311	0.280	10.0	101	0.00
56 M	Bromoform	0.297	0.243	18.2	94	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.592	0.561	5.2	99	0.00
59 M	2-Hexanone	0.457	0.433	5.3	100	0.00
60 S	4-Bromofluorobenzene	0.503	0.490	2.6	96	0.00
61 M	Tetrachloroethene	0.593	0.539	9.1	91	0.00
62 M	Toluene	1.603	1.471	8.2	97	0.00
63 S	Toluene-d8	1.287	1.311	-1.9	97	0.00
64 M	Chlorobenzene	1.021	0.919	10.0	95	0.00
65	1,1,1,2-Tetrachloroethane	0.387	0.348	10.1	96	0.00
66 M	Ethyl Benzene	1.825	1.650	9.6	95	0.00
67 M	m/p-Xylenes	0.695	0.616	11.4	95	0.00
68 M	o-Xylene	0.670	0.593	11.5	96	0.00
69 M	Styrene	1.147	1.000	12.8	95	0.00
70	Isopropylbenzene	1.810	1.606	11.3	95	0.00
71 M	1,1,2,2-Tetrachloroethane	0.336	0.289	14.0	115	0.00
72	1,2,3-Trichloropropane	0.545	0.509	6.6	99	0.00
73	Bromobenzene	0.456	0.392	14.0	92	0.00
74	n-propylbenzene	2.102	1.852	11.9	95	0.00
75	2-Chlorotoluene	1.236	1.084	12.3	94	0.00
76	1,3,5-Trimethylbenzene	1.536	1.338	12.9	95	0.00
77	t-1,4-Dichloro-2-butene	0.234	0.199	15.0	94	0.00
78	4-Chlorotoluene	1.462	1.269	13.2	94	0.00
79	tert-butylbenzene	1.312	1.153	12.1	97	0.00
80	1,2,4-Trimethylbenzene	1.535	1.334	13.1	94	0.00
81	sec-Butylbenzene	1.770	1.529	13.6	94	0.00
82	p-Isopropyltoluene	1.640	1.416	13.7	94	0.00
83 M	1,3-Dichlorobenzene	0.822	0.721	12.3	96	0.00
84 M	1,4-Dichlorobenzene	0.817	0.717	12.2	96	0.00
85	n-Butylbenzene	1.498	1.247	16.8	92	0.00
86 T	Hexachloroethane	0.289	0.241	16.6	95	0.00
87 M	1,2-Dichlorobenzene	0.795	0.714	10.2	97	0.00
88	1,2-Dibromo-3-Chloropropane	0.141	0.127	9.9	100	0.00
89	1,2,4-Trichlorobenzene	0.586	0.492	16.0	92	0.00
90	Hexachlorobutadiene	0.252	0.218	13.5	91	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.865	1.651	11.5	95	0.00
92	1,2,3-Trichlorobenzene	0.563	0.485	13.9	94	0.00

(#) = Out of Range

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