

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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	93	0.00
2 M	Dichlorodifluoromethane	20.000	21.074	-5.4	97	0.00
3 M	Chloromethane	20.000	20.448	-2.2	95	0.00
4 M	Vinyl Chloride	20.000	20.685	-3.4	97	0.00
5 M	Bromomethane	20.000	17.188	14.1	96	0.00
6 M	Chloroethane	20.000	20.538	-2.7	95	0.02
7 M	Trichlorofluoromethane	20.000	20.284	-1.4	100	0.01
8 T	Diethyl Ether	20.000	20.042	-0.2	99	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.266	-6.3	102	0.01
10 M	1,1-Dichloroethene	20.000	20.158	-0.8	100	0.00
11	Methyl Iodide	20.000	18.771	6.1	95	0.00
12	Methyl Acetate	20.000	19.760	1.2	94	0.00
13 M	Acrolein	100.000	86.718	13.3	84	0.00
14 M	Acrylonitrile	100.000	96.987	3.0	92	0.00
15 M	Acetone	100.000	111.560	-11.6	102	0.00
16 M	Carbon Disulfide	20.000	19.649	1.8	98	0.00
17	Allyl chloride	20.000	19.097	4.5	95	0.00
18 M	Methylene Chloride	20.000	20.220	-1.1	97	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.181	-0.9	99	0.00
20 T	Diisopropyl ether	20.000	20.094	-0.5	98	0.00
21 M	1,1-Dichloroethane	20.000	19.826	0.9	97	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.786	1.1	98	0.00
23 M	tert-Butyl Alcohol	100.000	92.265	7.7	92	-0.02
24 M	Methyl tert-Butyl Ether	20.000	19.732	1.3	96	0.00
25 M	Chloroform	20.000	20.170	-0.9	99	0.00
26	Cyclohexane	20.000	19.860	0.7	98	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.743	-2.5	96	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	95	0.00
29	1,1-Dichloropropene	20.000	20.148	-0.7	101	0.00
30 M	2-Butanone	100.000	103.338	-3.3	99	0.00
31	2,2-Dichloropropane	20.000	19.711	1.4	99	0.00
32 M	1,1,1-Trichloroethane	20.000	19.913	0.4	100	0.00
33 M	Carbon Tetrachloride	20.000	19.683	1.6	100	0.00
34 M	Benzene	20.000	19.875	0.6	97	0.00
35	Methacrylonitrile	20.000	18.524	7.4	91	0.00
36 M	1,2-Dichloroethane	20.000	19.795	1.0	97	0.00
37 M	Trichloroethene	20.000	19.991	0.0	99	0.00
38	Methylcyclohexane	20.000	20.161	-0.8	100	0.00
39 M	1,2-Dichloropropane	20.000	20.073	-0.4	99	0.00
40	Dibromomethane	20.000	20.136	-0.7	101	0.00
41 M	Bromodichloromethane	20.000	19.533	2.3	99	0.00
42 M	Vinyl Acetate	100.000	97.894	2.1	97	0.00
43	Ethyl Acetate	20.000	19.136	4.3	92	-0.01
44	Isopropyl Acetate	20.000	19.093	4.5	95	0.00
45 T	1,4-Dioxane	400.000	395.450	1.1	94	0.00

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Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	19.034	4.8	95	0.00
47	n-amyl Acetate	20.000	18.443	7.8	98	0.00
48 M	t-1,3-Dichloropropene	20.000	19.296	3.5	99	0.00
49 T	cis-1,3-Dichloropropene	20.000	19.322	3.4	98	0.00
50 M	1,1,2-Trichloroethane	20.000	19.922	0.4	97	0.00
51	Ethyl methacrylate	20.000	18.707	6.5	98	0.00
52	1,3-Dichloropropane	20.000	19.804	1.0	98	0.00
53 M	Dibromochloromethane	20.000	19.672	1.6	101	0.00
54 M	1,2-Dibromoethane	20.000	19.782	1.1	97	0.00
55 M	2-Chloroethyl vinyl ether	100.000	97.057	2.9	98	0.00
56 M	Bromoform	20.000	18.580	7.1	96	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	96	0.00
58 M	4-Methyl-2-Pentanone	100.000	97.678	2.3	95	0.00
59 M	2-Hexanone	100.000	101.342	-1.3	98	0.00
60 S	4-Bromofluorobenzene	30.000	30.401	-1.3	97	0.00
61 M	Tetrachloroethene	20.000	20.045	-0.2	98	0.00
62 M	Toluene	20.000	20.270	-1.3	99	0.00
63 S	Toluene-d8	30.000	30.583	-1.9	96	0.00
64 M	Chlorobenzene	20.000	20.074	-0.4	99	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.609	2.0	97	0.00
66 M	Ethyl Benzene	20.000	20.120	-0.6	100	0.00
67 M	m/p-Xylenes	40.000	40.032	-0.1	99	0.00
68 M	o-Xylene	20.000	19.714	1.4	98	0.00
69 M	Styrene	20.000	19.772	1.1	100	0.00
70	Isopropylbenzene	20.000	20.168	-0.8	101	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.197	4.0	95	0.00
72	1,2,3-Trichloropropane	20.000	19.585	2.1	97	0.00
73	Bromobenzene	20.000	19.810	1.0	99	0.00
74	n-propylbenzene	20.000	20.112	-0.6	102	0.00
75	2-Chlorotoluene	20.000	20.179	-0.9	101	0.00
76	1,3,5-Trimethylbenzene	20.000	20.016	-0.1	100	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.974	10.1	97	0.00
78	4-Chlorotoluene	20.000	20.021	-0.1	101	0.00
79	tert-butylbenzene	20.000	19.906	0.5	101	0.00
80	1,2,4-Trimethylbenzene	20.000	20.479	-2.4	102	0.00
81	sec-Butylbenzene	20.000	20.343	-1.7	104	0.00
82	p-Isopropyltoluene	20.000	20.225	-1.1	102	0.00
83 M	1,3-Dichlorobenzene	20.000	20.199	-1.0	102	0.00
84 M	1,4-Dichlorobenzene	20.000	20.345	-1.7	105	0.00
85	n-Butylbenzene	20.000	19.707	1.5	105	0.00
86 T	Hexachloroethane	20.000	18.903	5.5	100	0.00
87 M	1,2-Dichlorobenzene	20.000	20.021	-0.1	101	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	18.788	6.1	95	0.00
89	1,2,4-Trichlorobenzene	20.000	19.736	1.3	103	0.00
90	Hexachlorobutadiene	20.000	19.965	0.2	103	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	19.025	4.9	97	0.00
92	1,2,3-Trichlorobenzene	20.000	19.886	0.6	103	0.00

(#) = Out of Range

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