

Data Path : W:\HPCHEM1\MSVOA X\Data\ VX022118\
 Data File : VX000126.D
 Acq On : 21 Feb 2018 19:30
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 LabSampled :
 VSTDCCC020

Quant Time: Feb 22 07:28:53 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	21.386	-6.9	96	0.00
3 M	Chloromethane	20.000	22.366	-11.8	97	0.00
4 M	Vinyl Chloride	20.000	22.548	-12.7	99	0.00
5 M	Bromomethane	20.000	19.440	2.8	88	0.00
6 M	Chloroethane	20.000	22.701	-13.5	102	0.00
7 M	Trichlorofluoromethane	20.000	22.439	-12.2	100	0.00
8 T	Diethyl Ether	20.000	22.647	-13.2	97	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	22.478	-12.4	99	0.00
10 M	1,1-Dichloroethene	20.000	22.185	-10.9	97	0.00
11	Methyl Iodide	20.000	22.808	-14.0	121	0.00
12	Methyl Acetate	20.000	22.389	-11.9	99	0.00
13 M	Acrolein	100.000	85.148	14.9	79	0.00
14 M	Acrylonitrile	100.000	106.441	-6.4	93	0.00
15 M	Acetone	100.000	100.408	-0.4	84	0.00
16 M	Carbon Disulfide	20.000	20.990	-4.9	94	0.00
17	Allyl chloride	20.000	21.857	-9.3	97	0.00
18 M	Methylene Chloride	20.000	22.268	-11.3	100	0.00
19 M	trans-1,2-Dichloroethene	20.000	22.327	-11.6	99	0.00
20 T	Diisopropyl ether	20.000	20.726	-3.6	95	0.00
21 M	1,1-Dichloroethane	20.000	23.819	-19.1	102	0.00
22 M	cis-1,2-Dichloroethene	20.000	21.118	-5.6	94	0.00
23 M	tert-Butyl Alcohol	100.000	97.049	3.0	83	0.01
24 M	Methyl tert-Butyl Ether	20.000	22.948	-14.7	102	0.00
25 M	Chloroform	20.000	21.480	-7.4	96	0.00
26	Cyclohexane	20.000	21.174	-5.9	95	0.00
27 s	1,2-Dichloroethane-d4	30.000	32.218	-7.4	95	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	90	0.00
29	1,1-Dichloropropene	20.000	20.605	-3.0	94	0.00
30 M	2-Butanone	100.000	94.515	5.5	83	0.01
31	2,2-Dichloropropane	20.000	20.324	-1.6	92	0.00
32 M	1,1,1-Trichloroethane	20.000	20.439	-2.2	93	0.00
33 M	Carbon Tetrachloride	20.000	19.907	0.5	91	0.00
34 M	Benzene	20.000	21.163	-5.8	95	0.00
35	Methacrylonitrile	20.000	19.407	3.0	88	0.00
36 M	1,2-Dichloroethane	20.000	21.413	-7.1	97	0.00
37 M	Trichloroethene	20.000	20.220	-1.1	90	0.00
38	Methylcyclohexane	20.000	20.232	-1.2	94	0.00
39 M	1,2-Dichloropropane	20.000	21.035	-5.2	93	0.00
40	Dibromomethane	20.000	21.398	-7.0	97	0.00
41 M	Bromodichloromethane	20.000	20.095	-0.5	90	0.00
42 M	Vinyl Acetate	100.000	103.507	-3.5	96	0.00
43	Ethyl Acetate	20.000	19.761	1.2	87	0.00
44	Isopropyl Acetate	20.000	20.041	-0.2	91	0.00
45 T	1,4-Dioxane	400.000	380.878	4.8	88	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	Methyl methacrylate	20.000	20.458	-2.3	92	0.00
47	n-amyl Acetate	20.000	20.810	-4.0	96	0.00
48 M	t-1,3-Dichloropropene	20.000	20.216	-1.1	90	0.00
49 T	cis-1,3-Dichloropropene	20.000	20.665	-3.3	92	0.00
50 M	1,1,2-Trichloroethane	20.000	20.246	-1.2	94	0.00
51	Ethyl methacrylate	20.000	20.205	-1.0	94	0.00
52	1,3-Dichloropropane	20.000	21.040	-5.2	94	0.00
53 M	Dibromochloromethane	20.000	19.654	1.7	89	0.00
54 M	1,2-Dibromoethane	20.000	20.116	-0.6	91	0.00
55 M	2-Chloroethyl vinyl ether	100.000	97.371	2.6	78	0.00
56 M	Bromoform	20.000	18.718	6.4	87	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	92	0.00
58 M	4-Methyl-2-Pentanone	100.000	100.686	-0.7	90	0.00
59 M	2-Hexanone	100.000	97.151	2.8	86	0.00
60 S	4-Bromofluorobenzene	30.000	30.237	-0.8	93	0.00
61 M	Tetrachloroethene	20.000	19.518	2.4	89	0.00
62 M	Toluene	20.000	20.915	-4.6	95	0.00
63 S	Toluene-d8	30.000	30.643	-2.1	93	0.00
64 M	Chlorobenzene	20.000	20.527	-2.6	94	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.157	-0.8	92	0.00
66 M	Ethyl Benzene	20.000	20.847	-4.2	94	0.00
67 M	m/p-Xylenes	40.000	40.770	-1.9	94	0.00
68 M	o-Xylene	20.000	20.195	-1.0	91	0.00
69 M	Styrene	20.000	20.048	-0.2	91	0.00
70	Isopropylbenzene	20.000	20.343	-1.7	92	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.499	-2.5	93	0.00
72	1,2,3-Trichloropropane	20.000	20.744	-3.7	92	0.00
73	Bromobenzene	20.000	19.914	0.4	92	0.00
74	n-propylbenzene	20.000	20.672	-3.4	94	0.00
75	2-Chlorotoluene	20.000	20.816	-4.1	93	0.00
76	1,3,5-Trimethylbenzene	20.000	20.408	-2.0	93	0.00
77	t-1,4-Dichloro-2-butene	20.000	19.769	1.2	88	0.00
78	4-Chlorotoluene	20.000	20.871	-4.4	95	0.00
79	tert-butylbenzene	20.000	20.800	-4.0	94	0.00
80	1,2,4-Trimethylbenzene	20.000	20.518	-2.6	92	0.00
81	sec-Butylbenzene	20.000	20.939	-4.7	94	0.00
82	p-Isopropyltoluene	20.000	20.472	-2.4	92	0.00
83 M	1,3-Dichlorobenzene	20.000	20.434	-2.2	93	0.00
84 M	1,4-Dichlorobenzene	20.000	19.914	0.4	92	0.00
85	n-Butylbenzene	20.000	20.673	-3.4	93	0.00
86 T	Hexachloroethane	20.000	19.822	0.9	91	0.00
87 M	1,2-Dichlorobenzene	20.000	20.239	-1.2	91	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.635	1.8	89	0.00
89	1,2,4-Trichlorobenzene	20.000	20.040	-0.2	92	0.00
90	Hexachlorobutadiene	20.000	19.479	2.6	93	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
91 M	Naphthalene	20.000	20.245	-1.2	91	0.00
92	1,2,3-Trichlorobenzene	20.000	19.810	1.0	90	0.00

(#) = Out of Range

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