Forensic Alcohol Estimate of the Uncertainty of Measurement - Update

Issued: 12/31/2015 Blood Ethanol

The Forensic Alcohol discipline utilized data from all casework of blood alcohol analysis performed on both Agilent gas chromatograph/mass spectrometers equipped with a headspace autosampler between June 2012 and December 2015 for the estimate of the uncertainty of measurement for blood ethanol analysis. The test method information in the Forensic Alcohol Estimate of Uncertainty of Measurement issued December 20, 2013 has not changed.

Changes to previous uncertainty components

Blood Matrix QC Reproducibility Data ($\%RSD_{pooled}$)

A pooled percent relative standard deviation was calculated from all lots of blood matrix QC reproducibility data collected between June 2012 and December 2015.

The combined (6/28/12 – 12/14/15) pooled %RSD was calculated to be:

$$\%RSD_{pooled} = 1.1400\ \%$$

Replicate Agreement Requirement (Std $Unc_{Replicates}$)

No changes were made for this component.

Certificate of Analysis - Calibration Reference Standards (Std $Unc_{stds\ cals}$)

The most current calibration certificates for reference standards used were reviewed and it was determined that no changes were needed for this component.

Certificate of Analysis - Control Reference Standards (Std $Unc_{stds\ ctrls}$)

The most current calibration certificates for reference standards used were reviewed and it was determined that no changes were needed for this component.

Addition of new uncertainty components

No new uncertainty components were added to the budget.

Combined standard uncertainty using component updates

The following table summarizes changes made to component values and the new estimated combined uncertainty (items that changed are highlighted).

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Uncertainty Component	2014	2015
$\%RSD_{pooled}$	1.1017	1.1400
Std $Unc_{Replicates}$	1.7321	1.7321
Std $Unc_{stds\ cals}$	0.175	0.175
Std $Unc_{stds\ ctrls}$	0.175	0.175
Combined Uncertainty (k=2)	4.1353	4.1766

Reported uncertainty for blood ethanol results

The expanded combined standard uncertainty rounded to 2 significant figures is:

Expanded Combined Standard Uncertainty = ± 4.2%

There is no change from the previous expanded combined standard uncertainty from 2014 which is currently being reported.

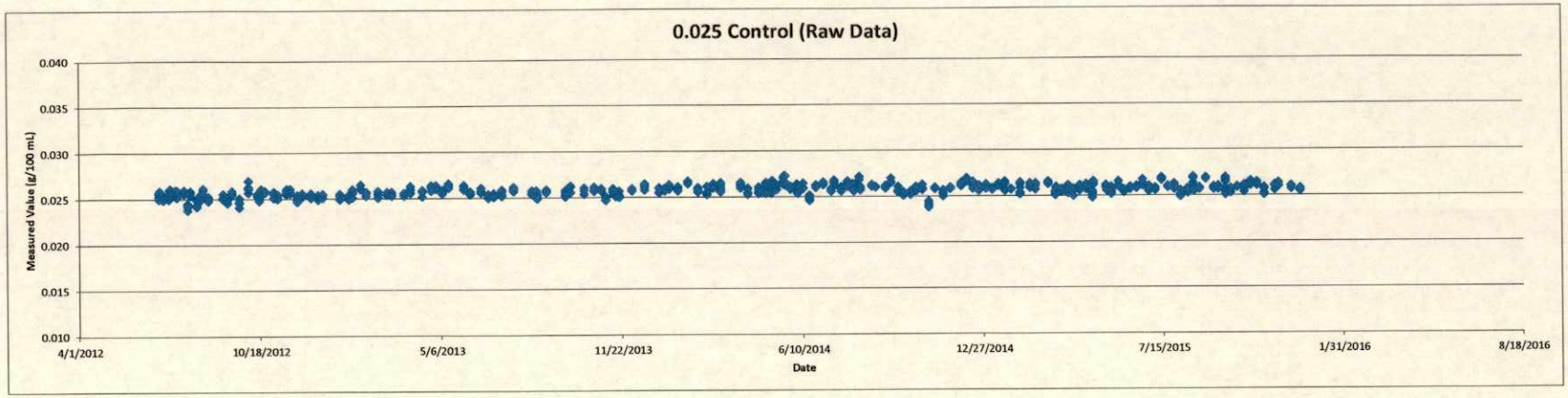
Estimating a whole blood alcohol concentration from a measured serum/plasma alcohol concentration

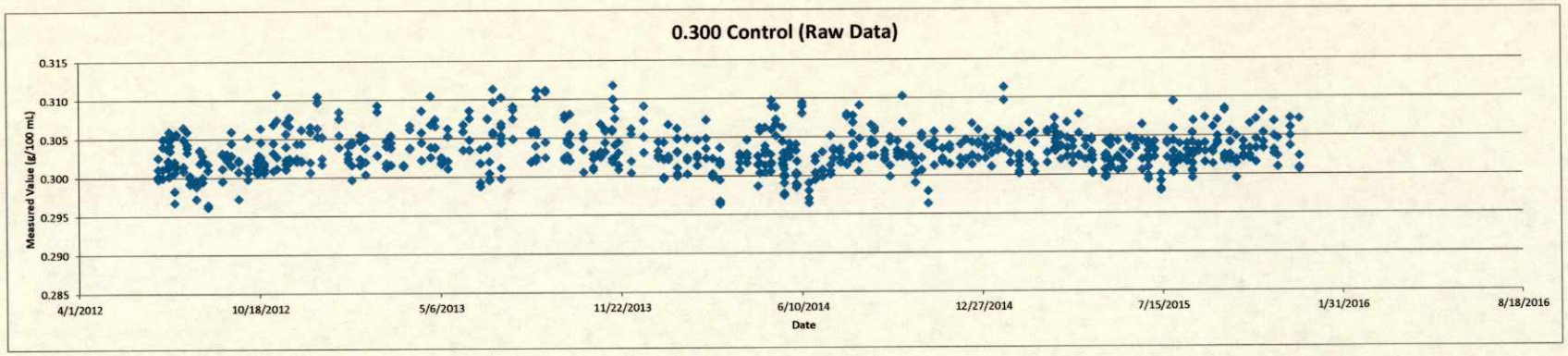
Below is a table listing the uncertainty components considered when estimating whole blood alcohol concentration from a measured serum/plasma alcohol concentration:

Uncertainty Component	2015
$\%RSD_{pooled}$	1.1400
Std $Unc_{Replicates}$	1.7321
Std $Unc_{stds\ cals}$	0.175
Std $Unc_{stds\ ctrls}$	0.175
Std Unc_{serum}	3.5965
Combined Uncertainty (k=2)	8.3176

The only component that changed was $\%RSD_{pooled}$. The combined uncertainty rounded to 2 significant figures remained the same.

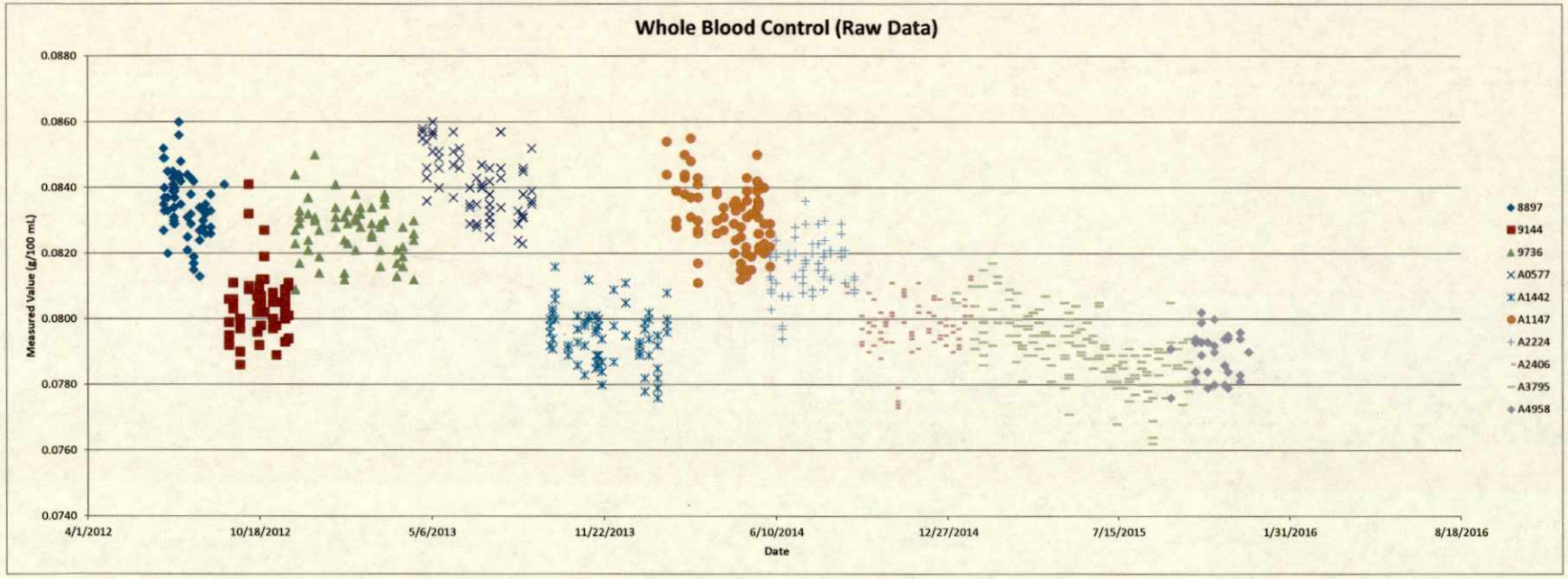
Combined uncertainty = ± 8.3%


0.025 Control (Raw Data)
Measured Value (g/100 mL)
0.040
0.035
0.030
0.025
0.020
0.015
0.010
4/1/2012
10/18/2012
5/6/2013
11/22/2013
6/10/2014
12/27/2014
7/15/2015
1/31/2016
8/18/2016
Date


0.300 Control (Raw Data)
Measured Value (g/100 mL)
0.315
0.310
0.305
0.300
0.295
0.290
0.285
4/1/2012
10/18/2012
5/6/2013
11/22/2013
6/10/2014
12/27/2014
7/15/2015
1/31/2016
8/18/2016
Date

	WBC Lot	N	% RSD	N-1	%RSD^2	(N-1)*%RSD^2
	8897	32	1.14162	31	1.303296	40.40218747
	9144	26	1.19162	25	1.419958	35.49896162
	9736	32	1.012166	31	1.02448	31.75886836
	A0577	32	1.184196	31	1.402321	43.47195453
	A1442	37	1.090167	36	1.188463	42.78467872
	A1147	41	1.140248	40	1.300165	52.00659596
	A2224	31	0.993346	30	0.986737	29.60210902
	A2406	37	0.987912	36	0.97597	35.13490767
	A3795	78	1.322935	77	1.750158	134.7621499
	A4958	17	0.913581	16	0.834631	13.3540939
Sum	10	363				458.7765071

Pooled%Rel Variance	1.29965
Pooled%RSD	1.140022



N=	371	Mean=	0.0253	SD=	0.0005	SD*2=	0.0011	%RSD=	2.1691	%RSD*2	4.3	%Bias	1.1
Date	Anaylst	Instrument	Pipetter	Lot	Value	Reported							
6/28/2012	CRF	HS2	Wilma	FN032210-01	0.0250								
6/28/2012	CRF	HS2	Wilma	FN032210-01	0.0257	0.025							
6/28/2012	CRF	HS2	Wilma	FN032210-01	0.0253								
6/28/2012	CRF	HS2	Wilma	FN032210-01	0.0256	0.025							
6/29/2012	bmb	HS2	Wilma	FN032210-01	0.0257								
6/29/2012	bmb	HS2	Wilma	FN032210-01	0.0257	0.025							
6/29/2012	bmb	HS2	Wilma	FN032210-01	0.0255								
6/29/2012	bmb	HS2	Wilma	FN032210-01	0.0259	0.025							
7/3/2012	CRF	HS2	Wilma	FN032210-01	0.0254								
7/3/2012	CRF	HS2	Wilma	FN032210-01	0.0254	0.025							
7/3/2012	CRF	HS2	Wilma	FN032210-01	0.0249								
7/3/2012	CRF	HS2	Wilma	FN032210-01	0.0255	0.025							
7/9/2012	bmb	HS2	Wilma	FN032210-01	0.0250								
7/9/2012	bmb	HS2	Wilma	FN032210-01	0.0254	0.025							
7/9/2012	bmb	HS2	Wilma	FN032210-01	0.0250								
7/9/2012	bmb	HS2	Wilma	FN032210-01	0.0254	0.025							
7/10/2012	COB	HS2	Wilma	FN032210-01	0.0251								
7/10/2012	COB	HS2	Wilma	FN032210-01	0.0253	0.025							
7/10/2012	COB	HS2	Wilma	FN032210-01	0.0260								
7/10/2012	COB	HS2	Wilma	FN032210-01	0.0261	0.026							
7/11/2012	CRF	HS2	Wilma	FN032210-01	0.0257								
7/11/2012	CRF	HS2	Wilma	FN032210-01	0.0261	0.025							
7/11/2012	CRF	HS2	Wilma	FN032210-01	0.0259								
7/11/2012	CRF	HS2	Wilma	FN032210-01	0.0261	0.026							
7/16/2012	bmb	HS2	Wilma	FN032210-01	0.0257								
7/16/2012	bmb	HS2	Wilma	FN032210-01	0.0258	0.025							
7/16/2012	bmb	HS2	Wilma	FN032210-01	0.0260								
7/16/2012	bmb	HS2	Wilma	FN032210-01	0.0260	0.026							
7/18/2012	COB	HS2	Wilma	FN032210-01	0.0252								
7/18/2012	COB	HS2	Wilma	FN032210-01	0.0255	0.025							
7/18/2012	COB	HS2	Wilma	FN032210-01	0.0255								
7/18/2012	COB	HS2	Wilma	FN032210-01	0.0260	0.025							
7/26/2012	CRF	HS2	Wilma	FN032210-01	0.0258								
7/26/2012	CRF	HS2	Wilma	FN032210-01	0.0256	0.025							
7/26/2012	CRF	HS2	Wilma	FN032210-01	0.0256								
7/26/2012	CRF	HS2	Wilma	FN032210-01	0.0260	0.025							
7/30/2012	COB	HS2	Wilma	FN032210-01	0.0244								
7/30/2012	COB	HS2	Wilma	FN032210-01	0.0242	0.024							
7/30/2012	COB	HS2	Wilma	FN032210-01	0.0238								
7/30/2012	COB	HS2	Wilma	FN032210-01	0.0245	0.024							
8/2/2012	COB	HS2	Wilma	FN032210-01	0.0254								
8/2/2012	COB	HS2	Wilma	FN032210-01	0.0254	0.025							
8/2/2012	COB	HS2	Wilma	FN032210-01	0.0259								
8/2/2012	COB	HS2	Wilma	FN032210-01	0.0257	0.025							
8/9/2012	bmb	HS2	Wilma	FN032210-01	0.0244								
8/9/2012	bmb	HS2	Wilma	FN032210-01	0.0250	0.024							
8/9/2012	bmb	HS2	Wilma	FN032210-01	0.0249								
8/9/2012	bmb	HS2	Wilma	FN032210-01	0.0242	0.024							
8/13/2012	CRF	HS2	Wilma	FN032210-01	0.0254								
8/13/2012	CRF	HS2	Wilma	FN032210-01	0.0254	0.025							
8/13/2012	CRF	HS2	Wilma	FN032210-01	0.0249								
8/13/2012	CRF	HS2	Wilma	FN032210-01	0.0255	0.025							
8/16/2012	CRF	HS2	Wilma	FN032210-01	0.0255								
8/16/2012	CRF	HS2	Wilma	FN032210-01	0.0260	0.025							
8/16/2012	CRF	HS2	Wilma	FN032210-01	0.0256								
8/16/2012	CRF	HS2	Wilma	FN032210-01	0.0262	0.025							
8/22/2012	COB	HS2	Wilma	FN032210-01	0.0253								
8/22/2012	COB	HS2	Wilma	FN032210-01	0.0251	0.025							
8/22/2012	COB	HS2	Wilma	FN032210-01	0.0248								
8/22/2012	COB	HS2	Wilma	FN032210-01	0.0251	0.024							
9/7/2012	COB	HS2	Wilma	FN032210-01	0.0252								
9/7/2012	COB	HS2	Wilma	FN032210-01	0.0256	0.025							
9/7/2012	COB	HS2	Wilma	FN032210-01	0.0251								
9/7/2012	COB	HS2	Wilma	FN032210-01	0.0250	0.025							
9/12/2012	bmb	HS2	Wilma	FN032210-01	0.0246								
9/12/2012	bmb	HS2	Wilma	FN032210-01	0.0246	0.024							
9/12/2012	bmb	HS2	Wilma	FN032210-01	0.0246								
9/12/2012	bmb	HS2	Wilma	FN032210-01	0.0249	0.024							
9/17/2012	CRF	HS2	Wilma	FN032210-01	0.0255								

9/17/2012	CRF	HS2	Wilma	FN032210-01	0.0257	0.025
9/17/2012	CRF	HS2	Wilma	FN032210-01	0.0259	
9/17/2012	CRF	HS2	Wilma	FN032210-01	0.0255	0.025
9/25/2012	COB	HS2	Wilma	FN032210-01	0.0241	
9/25/2012	COB	HS2	Wilma	FN032210-01	0.0251	0.024
9/25/2012	COB	HS2	Wilma	FN032210-01	0.0247	
9/25/2012	COB	HS2	Wilma	FN032210-01	0.0246	0.024
10/5/2012	COB	HS2	Wilma	FN032210-01	0.0257	
10/5/2012	COB	HS2	Wilma	FN032210-01	0.0261	0.025
10/5/2012	COB	HS2	Wilma	FN032210-01	0.0263	
10/5/2012	COB	HS2	Wilma	FN032210-01	0.0270	0.026
10/15/2012	CRF	HS2	Wilma	FN032210-01	0.0253	
10/15/2012	CRF	HS2	Wilma	FN032210-01	0.0256	0.025
10/15/2012	CRF	HS2	Wilma	FN032210-01	0.0254	
10/15/2012	CRF	HS2	Wilma	FN032210-01	0.0253	0.025
10/17/2012	bmb	HS2	Wilma	FN032210-01	0.0251	
10/17/2012	bmb	HS2	Wilma	FN032210-01	0.0250	0.025
10/17/2012	bmb	HS2	Wilma	FN032210-01	0.0248	
10/17/2012	bmb	HS2	Wilma	FN032210-01	0.0255	0.025
10/19/2012	CRF	HS2	Wilma	FN032210-01	0.0255	
10/19/2012	CRF	HS2	Wilma	FN032210-01	0.0258	0.025
10/19/2012	CRF	HS2	Wilma	FN032210-01	0.0256	
10/19/2012	CRF	HS2	Wilma	FN032210-01	0.0261	0.025
10/23/2012	COB	HS2	Wilma	FN032210-01	0.0258	
10/23/2012	COB	HS2	Wilma	FN032210-01	0.0259	0.025
10/23/2012	COB	HS2	Wilma	FN032210-01	0.0258	
10/23/2012	COB	HS2	Wilma	FN032210-01	0.0257	0.025
11/2/2012	bmb	HS2	ML600-1	FN032210-01	0.0251	
11/2/2012	bmb	HS2	ML600-1	FN032210-01	0.0258	0.025
11/2/2012	bmb	HS2	ML600-1	FN032210-01	0.0252	
11/2/2012	bmb	HS2	ML600-1	FN032210-01	0.0256	0.025
11/6/2012	CRF	HS2	ML600-1	FN032210-01	0.0250	
11/6/2012	CRF	HS2	ML600-1	FN032210-01	0.0252	0.025
11/6/2012	CRF	HS2	ML600-1	FN032210-01	0.0250	
11/6/2012	CRF	HS2	ML600-1	FN032210-01	0.0255	0.025
11/16/2012	COB	HS2	ML600-1	FN032210-01	0.0259	
11/16/2012	COB	HS2	ML600-1	FN032210-01	0.0257	0.025
11/16/2012	COB	HS2	ML600-1	FN032210-01	0.0255	
11/16/2012	COB	HS2	ML600-1	FN032210-01	0.0261	0.025
11/16/2012	bmb	HS2	ML600-1	FN032210-01	0.0257	
11/16/2012	bmb	HS2	ML600-1	FN032210-01	0.0259	0.025
11/16/2012	bmb	HS2	ML600-1	FN032210-01	0.0256	
11/16/2012	bmb	HS2	ML600-1	FN032210-01	0.0258	0.025
11/20/2012	CRF	HS2	ML600-1	FN032210-01	0.0256	
11/20/2012	CRF	HS2	ML600-1	FN032210-01	0.0256	0.025
11/20/2012	CRF	HS2	ML600-1	FN032210-01	0.0258	
11/20/2012	CRF	HS2	ML600-1	FN032210-01	0.0261	0.025
11/28/2012	COB	HS2	ML600-1	FN032210-01	0.0249	
11/28/2012	COB	HS2	ML600-1	FN032210-01	0.0252	0.025
11/28/2012	COB	HS2	ML600-1	FN032210-01	0.0247	
11/28/2012	COB	HS2	ML600-1	FN032210-01	0.0254	0.025
12/3/2012	CRF	HS1	ML600-1	FN032210-01	0.0252	
12/3/2012	CRF	HS1	ML600-1	FN032210-01	0.0256	0.025
12/3/2012	CRF	HS1	ML600-1	FN032210-01	0.0253	
12/3/2012	CRF	HS1	ML600-1	FN032210-01	0.0255	0.025
12/13/2012	bmb	HS2	ML600-1	FN032210-01	0.0251	
12/13/2012	bmb	HS2	ML600-1	FN032210-01	0.0251	0.025
12/13/2012	bmb	HS2	ML600-1	FN032210-01	0.0256	
12/13/2012	bmb	HS2	ML600-1	FN032210-01	0.0254	0.025
12/21/2012	COB	HS2	ML600-1	FN032210-01	0.0252	
12/21/2012	COB	HS2	ML600-1	FN032210-01	0.0249	0.025
12/21/2012	COB	HS2	ML600-1	FN032210-01	0.0254	
12/21/2012	COB	HS2	ML600-1	FN032210-01	0.0254	0.025
12/26/2012	CRF	HS1	ML600-1	FN032210-01	0.0254	
12/26/2012	CRF	HS1	ML600-1	FN032210-01	0.0251	0.025
12/26/2012	CRF	HS1	ML600-1	FN032210-01	0.0255	
12/26/2012	CRF	HS1	ML600-1	FN032210-01	0.0255	0.025
1/14/2013	COB	HS2	ML600-1	FN032210-01	0.0249	
1/14/2013	COB	HS2	ML600-1	FN032210-01	0.0255	0.025
1/14/2013	COB	HS2	ML600-1	FN032210-01	0.0253	
1/14/2013	COB	HS2	ML600-1	FN032210-01	0.0255	0.025

1/24/2013	bmb	HS2	ML600-1	FN032210-01	0.0249	
1/24/2013	bmb	HS2	ML600-1	FN032210-01	0.0252	0.025
1/24/2013	bmb	HS2	ML600-1	FN032210-01	0.0252	
1/24/2013	bmb	HS2	ML600-1	FN032210-01	0.0254	0.025
1/28/2013	CRF	HS1	ML600-1	FN032210-01	0.0251	
1/28/2013	CRF	HS1	ML600-1	FN032210-01	0.0256	0.025
1/28/2013	CRF	HS1	ML600-1	FN032210-01	0.0257	
1/28/2013	CRF	HS1	ML600-1	FN032210-01	0.0260	0.025
2/6/2013	COB	HS1	ML600-1	FN032210-01	0.0261	
2/6/2013	COB	HS1	ML600-1	FN032210-01	0.0261	0.026
2/6/2013	COB	HS1	ML600-1	FN032210-01	0.0260	
2/6/2013	COB	HS1	ML600-1	FN032210-01	0.0265	0.026
2/12/2013	COB	HS2	ML600-1	FN032210-01	0.0253	
2/12/2013	COB	HS2	ML600-1	FN032210-01	0.0253	0.025
2/12/2013	COB	HS2	ML600-1	FN032210-01	0.0257	
2/12/2013	COB	HS2	ML600-1	FN032210-01	0.0256	0.025
2/25/2013	bmb	HS2	ML600-1	FN032210-01	0.0251	
2/25/2013	bmb	HS2	ML600-1	FN032210-01	0.0255	0.025
2/25/2013	bmb	HS2	ML600-1	FN032210-01	0.0255	
2/25/2013	bmb	HS2	ML600-1	FN032210-01	0.0258	0.025
3/7/2013	CRF	HS1	ML600-1	FN032210-01	0.0257	
3/7/2013	CRF	HS1	ML600-1	FN032210-01	0.0254	0.025
3/7/2013	CRF	HS1	ML600-1	FN032210-01	0.0254	
3/7/2013	CRF	HS1	ML600-1	FN032210-01	0.0254	0.025
3/12/2013	COB	HS2	ML600-1	FN032210-01	0.0253	
3/12/2013	COB	HS2	ML600-1	FN032210-01	0.0255	0.025
3/12/2013	COB	HS2	ML600-1	FN032210-01	0.0257	
3/12/2013	COB	HS2	ML600-1	FN032210-01	0.0253	0.025
3/26/2013	CRF	HS1	ML600-1	FN032210-01	0.0253	
3/26/2013	CRF	HS1	ML600-1	FN032210-01	0.0255	0.025
3/26/2013	CRF	HS1	ML600-1	FN032210-01	0.0255	
3/26/2013	CRF	HS1	ML600-1	FN032210-01	0.0256	0.025
4/2/2013	bmb	HS2	Wilma	FN032210-01	0.0259	
4/2/2013	bmb	HS2	Wilma	FN032210-01	0.0260	0.025
4/2/2013	bmb	HS2	Wilma	FN032210-01	0.0256	
4/2/2013	bmb	HS2	Wilma	FN032210-01	0.0263	0.025
4/15/2013	CRF	HS2	Wilma	FN032210-01	0.0252	
4/15/2013	CRF	HS2	Wilma	FN032210-01	0.0258	0.025
4/15/2013	CRF	HS2	Wilma	FN032210-01	0.0257	
4/15/2013	CRF	HS2	Wilma	FN032210-01	0.0259	0.025
4/25/2013	COB	HS1	Wilma	FN081712-01	0.0258	
4/25/2013	COB	HS1	Wilma	FN081712-01	0.0258	0.025
4/25/2013	COB	HS1	Wilma	FN081712-01	0.0262	
4/25/2013	COB	HS1	Wilma	FN081712-01	0.0264	0.026
4/30/2013	bmb	HS2	Wilma	FN081712-01	0.0260	
4/30/2013	bmb	HS2	Wilma	FN081712-01	0.0261	0.026
4/30/2013	bmb	HS2	Wilma	FN081712-01	0.0263	
4/30/2013	bmb	HS2	Wilma	FN081712-01	0.0264	0.026
5/7/2013	COB	HS1	Wilma	FN081712-01	0.0256	
5/7/2013	COB	HS1	Wilma	FN081712-01	0.0257	0.025
5/7/2013	COB	HS1	Wilma	FN081712-01	0.0255	
5/7/2013	COB	HS1	Wilma	FN081712-01	0.0259	0.025
5/14/2013	CRF	HS2	Wilma	FN081712-01	0.0261	
5/14/2013	CRF	HS2	Wilma	FN081712-01	0.0264	0.026
5/14/2013	CRF	HS2	Wilma	FN081712-01	0.0263	
5/14/2013	CRF	HS2	Wilma	FN081712-01	0.0266	0.026
5/31/2013	bmb	HS2	Wilma	FN081712-01	0.0259	
5/31/2013	bmb	HS2	Wilma	FN081712-01	0.0264	0.026
5/31/2013	bmb	HS2	Wilma	FN081712-01	0.0263	
5/31/2013	bmb	HS2	Wilma	FN081712-01	0.0261	0.026
6/7/2013	CRF	HS1	Wilma	FN081712-01	0.0254	
6/7/2013	CRF	HS1	Wilma	FN081712-01	0.0255	0.025
6/7/2013	CRF	HS1	Wilma	FN081712-01	0.0256	
6/7/2013	CRF	HS1	Wilma	FN081712-01	0.0257	0.025
6/19/2013	bmb	HS2	Wilma	FN081712-01	0.0256	
6/19/2013	bmb	HS2	Wilma	FN081712-01	0.0257	0.025
6/19/2013	bmb	HS2	Wilma	FN081712-01	0.0258	
6/19/2013	bmb	HS2	Wilma	FN081712-01	0.0261	0.025
6/27/2013	CRF	HS1	Wilma	FN081712-01	0.0250	
6/27/2013	CRF	HS1	Wilma	FN081712-01	0.0251	0.025
6/27/2013	CRF	HS1	Wilma	FN081712-01	0.0254	

6/27/2013	CRF	HS1	Wilma	FN081712-01	0.0253	0.025
7/3/2013	bmb	HS1	Wilma	FN081712-01	0.0251	
7/3/2013	bmb	HS1	Wilma	FN081712-01	0.0255	0.025
7/3/2013	bmb	HS1	Wilma	FN081712-01	0.0255	
7/3/2013	bmb	HS1	Wilma	FN081712-01	0.0254	0.025
7/12/2013	CRF	HS2	Wilma	FN081712-01	0.0254	
7/12/2013	CRF	HS2	Wilma	FN081712-01	0.0258	0.025
7/12/2013	CRF	HS2	Wilma	FN081712-01	0.0257	
7/12/2013	CRF	HS2	Wilma	FN081712-01	0.0259	0.025
7/12/2013	bmb	HS1	Wilma	FN081712-01	0.0253	
7/12/2013	bmb	HS1	Wilma	FN081712-01	0.0254	0.025
7/12/2013	bmb	HS1	Wilma	FN081712-01	0.0254	
7/12/2013	bmb	HS1	Wilma	FN081712-01	0.0252	0.025
7/25/2013	COB	HS2	Wilma	FN081712-01	0.0260	
7/25/2013	COB	HS2	Wilma	FN081712-01	0.0257	0.025
7/25/2013	COB	HS2	Wilma	FN081712-01	0.0259	
7/25/2013	COB	HS2	Wilma	FN081712-01	0.0262	0.026
8/14/2013	CRF	HS1	Wilma	FN081712-01	0.0255	
8/14/2013	CRF	HS1	Wilma	FN081712-01	0.0254	0.025
8/14/2013	CRF	HS1	Wilma	FN081712-01	0.0254	
8/14/2013	CRF	HS1	Wilma	FN081712-01	0.0258	0.025
8/19/2013	bmb	HS1	Wilma	FN081712-01	0.0255	
8/19/2013	bmb	HS1	Wilma	FN081712-01	0.0257	0.025
8/19/2013	bmb	HS1	Wilma	FN081712-01	0.0258	
8/19/2013	bmb	HS1	Wilma	FN081712-01	0.0258	0.025
8/20/2013	COB	HS2	Wilma	FN081712-01	0.0249	
8/20/2013	COB	HS2	Wilma	FN081712-01	0.0250	0.024
8/20/2013	COB	HS2	Wilma	FN081712-01	0.0249	
8/20/2013	COB	HS2	Wilma	FN081712-01	0.0253	0.025
8/30/2013	COB	HS2	Wilma	FN081712-01	0.0257	
8/30/2013	COB	HS2	Wilma	FN081712-01	0.0258	0.025
8/30/2013	COB	HS2	Wilma	FN081712-01	0.0256	
8/30/2013	COB	HS2	Wilma	FN081712-01	0.0259	0.025
9/20/2013	bmb	HS2	Wilma	FN081712-01	0.0251	
9/20/2013	bmb	HS2	Wilma	FN081712-01	0.0258	0.025
9/20/2013	bmb	HS2	Wilma	FN081712-01	0.0253	
9/20/2013	bmb	HS2	Wilma	FN081712-01	0.0256	0.025
9/23/2013	CRF	HS1	Wilma	FN081712-01	0.0261	
9/23/2013	CRF	HS1	Wilma	FN081712-01	0.0259	0.026
9/23/2013	CRF	HS1	Wilma	FN081712-01	0.0261	
9/23/2013	CRF	HS1	Wilma	FN081712-01	0.0259	0.026
9/26/2013	COB	HS1	Wilma	FN081712-01	0.0256	
9/26/2013	COB	HS1	Wilma	FN081712-01	0.0262	0.025
9/26/2013	COB	HS1	Wilma	FN081712-01	0.0262	
9/26/2013	COB	HS1	Wilma	FN081712-01	0.0263	0.026
10/11/2013	CRF	HS2	Wilma	FN081712-01	0.0258	
10/11/2013	CRF	HS2	Wilma	FN081712-01	0.0258	0.025
10/11/2013	CRF	HS2	Wilma	FN081712-01	0.0254	
10/11/2013	CRF	HS2	Wilma	FN081712-01	0.0261	0.025
10/22/2013	CRF	HS1	Wilma	FN081712-01	0.0259	
10/22/2013	CRF	HS1	Wilma	FN081712-01	0.0257	0.025
10/22/2013	CRF	HS1	Wilma	FN081712-01	0.0262	
10/22/2013	CRF	HS1	Wilma	FN081712-01	0.0259	0.026
10/30/2013	bmb	HS1	Wilma	FN081712-01	0.0260	
10/30/2013	bmb	HS1	Wilma	FN081712-01	0.0257	0.025
10/30/2013	bmb	HS1	Wilma	FN081712-01	0.0259	
10/30/2013	bmb	HS1	Wilma	FN081712-01	0.0259	0.025
11/4/2013	COB	HS1	Wilma	FN081712-01	0.0248	
11/4/2013	COB	HS1	Wilma	FN081712-01	0.0251	0.024
11/4/2013	COB	HS1	Wilma	FN081712-01	0.0247	
11/4/2013	COB	HS1	Wilma	FN081712-01	0.0251	0.024
11/12/2013	CRF	HS1	Wilma	FN081712-01	0.0258	
11/12/2013	CRF	HS1	Wilma	FN081712-01	0.0260	0.025
11/12/2013	CRF	HS1	Wilma	FN081712-01	0.0256	
11/12/2013	CRF	HS1	Wilma	FN081712-01	0.0258	0.025
11/19/2013	CRF	HS1	Wilma	FN081712-01	0.0253	
11/19/2013	CRF	HS1	Wilma	FN081712-01	0.0257	0.025
11/19/2013	CRF	HS1	Wilma	FN081712-01	0.0251	
11/19/2013	CRF	HS1	Wilma	FN081712-01	0.0250	0.025
11/13/2013	bmb	HS2	Wilma	FN081712-01	0.0253	
11/13/2013	bmb	HS2	Wilma	FN081712-01	0.0259	0.025

11/15/2013	bmb	HS1	Wilma	FN081712-01	0.0251	
11/15/2013	bmb	HS1	Wilma	FN081712-01	0.0254	0.025
11/15/2013	bmb	HS1	Wilma	FN081712-01	0.0257	
11/15/2013	bmb	HS1	Wilma	FN081712-01	0.0257	0.025
12/3/2013	COB	HS1	ML600-1	FN081712-01	0.0257	
12/3/2013	COB	HS1	ML600-1	FN081712-01	0.0257	0.025
12/3/2013	COB	HS1	ML600-1	FN081712-01	0.0258	
12/3/2013	COB	HS1	ML600-1	FN081712-01	0.0260	0.025
12/17/2013	COB	HS1	ML600-1	FN081712-01	0.0258	
12/17/2013	COB	HS1	ML600-1	FN081712-01	0.0263	0.026
12/17/2013	COB	HS1	ML600-1	FN081712-01	0.0265	
12/17/2013	COB	HS1	ML600-1	FN081712-01	0.0261	0.026
1/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0256	
1/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0260	0.025
1/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0255	
1/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0261	0.025
1/8/2014	bmb	HS2	ML600-1	FN081712-01	0.0260	
1/8/2014	bmb	HS2	ML600-1	FN081712-01	0.0257	0.025
1/8/2014	bmb	HS2	ML600-1	FN081712-01	0.0258	
1/8/2014	bmb	HS2	ML600-1	FN081712-01	0.0258	0.025
1/13/2014	COB	HS1	ML600-1	FN081712-01	0.0259	
1/13/2014	COB	HS1	ML600-1	FN081712-01	0.0262	0.026
1/13/2014	COB	HS1	ML600-1	FN081712-01	0.0264	
1/13/2014	COB	HS1	ML600-1	FN081712-01	0.0261	0.026
1/23/2014	COB	HS1	ML600-1	FN081712-01	0.0259	
1/23/2014	COB	HS1	ML600-1	FN081712-01	0.0260	0.025
1/23/2014	COB	HS1	ML600-1	FN081712-01	0.0259	
1/23/2014	COB	HS1	ML600-1	FN081712-01	0.0261	0.026
1/23/2014	COB	HS2	ML600-1	FN081712-01	0.0257	
1/23/2014	COB	HS2	ML600-1	FN081712-01	0.0259	0.025
1/23/2014	COB	HS2	ML600-1	FN081712-01	0.0260	
1/23/2014	COB	HS2	ML600-1	FN081712-01	0.0262	0.026
2/3/2014	COB	HS1	ML600-1	FN081712-01	0.0267	
2/3/2014	COB	HS1	ML600-1	FN081712-01	0.0268	0.026
2/3/2014	COB	HS1	ML600-1	FN081712-01	0.0268	
2/3/2014	COB	HS1	ML600-1	FN081712-01	0.0265	0.026
2/14/2014	BMB	HS1	ML600-1	FN081712-01	0.0261	
2/14/2014	BMB	HS1	ML600-1	FN081712-01	0.0260	0.026
2/14/2014	BMB	HS1	ML600-1	FN081712-01	0.0258	
2/14/2014	BMB	HS1	ML600-1	FN081712-01	0.0256	0.025
2/24/2014	COB	HS1	ML600-1	FN081712-01	0.0254	
2/24/2014	COB	HS1	ML600-1	FN081712-01	0.0253	0.025
2/24/2014	COB	HS1	ML600-1	FN081712-01	0.0262	
2/24/2014	COB	HS1	ML600-1	FN081712-01	0.0256	0.025
3/3/2014	COB	HS1	ML600-1	FN081712-01	0.0260	
3/3/2014	COB	HS1	ML600-1	FN081712-01	0.0261	0.026
3/3/2014	COB	HS1	ML600-1	FN081712-01	0.0265	
3/3/2014	COB	HS1	ML600-1	FN081712-01	0.0260	0.026
3/11/2014	CRF	HS1	ML600-1	FN081712-01	0.0261	
3/11/2014	CRF	HS1	ML600-1	FN081712-01	0.0261	0.026
3/11/2014	CRF	HS1	ML600-1	FN081712-01	0.0266	
3/11/2014	CRF	HS1	ML600-1	FN081712-01	0.0264	0.026
3/11/2014	BMB	HS2	ML600-1	FN081712-01	0.0257	
3/11/2014	BMB	HS2	ML600-1	FN081712-01	0.0259	0.025
3/11/2014	BMB	HS2	ML600-1	FN081712-01	0.0259	
3/11/2014	BMB	HS2	ML600-1	FN081712-01	0.0256	0.025
4/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0260	
4/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0264	0.026
4/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0263	
4/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0266	0.026
4/10/2014	CRF	HS1	ML600-1	FN081712-01	0.0253	
4/10/2014	CRF	HS1	ML600-1	FN081712-01	0.0255	0.025
4/10/2014	CRF	HS1	ML600-1	FN081712-01	0.0259	
4/10/2014	CRF	HS1	ML600-1	FN081712-01	0.0260	0.025
4/22/2014	COB	HS2	ML600-1	FN081712-01	0.0255	
4/22/2014	COB	HS2	ML600-1	FN081712-01	0.0254	0.025
4/22/2014	COB	HS2	ML600-1	FN081712-01	0.0258	
4/22/2014	COB	HS2	ML600-1	FN081712-01	0.0261	0.025
4/24/2014	COB	HS2	ML600-1	FN081712-01	0.0255	
4/24/2014	COB	HS2	ML600-1	FN081712-01	0.0258	0.025
4/24/2014	COB	HS2	ML600-1	FN081712-01	0.0257	

4/24/2014	COB	HS2	ML600-1	FN081712-01	0.0257	0.025
4/30/2014	COB	HS1	ML600-1	FN081712-01	0.0265	
4/30/2014	COB	HS1	ML600-1	FN081712-01	0.0263	0.026
4/30/2014	COB	HS1	ML600-1	FN081712-01	0.0266	
4/30/2014	COB	HS1	ML600-1	FN081712-01	0.0263	0.026
4/30/2014	CRF	HS2	ML600-1	FN081712-01	0.0254	
4/30/2014	CRF	HS2	ML600-1	FN081712-01	0.0258	0.025
4/30/2014	CRF	HS2	ML600-1	FN081712-01	0.0261	
4/30/2014	CRF	HS2	ML600-1	FN081712-01	0.0262	0.026
5/6/2014	bmb	HS1	ML600-1	FN081712-01	0.0254	
5/6/2014	bmb	HS1	ML600-1	FN081712-01	0.0254	0.025
5/6/2014	bmb	HS1	ML600-1	FN081712-01	0.0255	
5/6/2014	bmb	HS1	ML600-1	FN081712-01	0.0257	0.025
5/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0261	
5/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0265	0.026
5/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0261	
5/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0268	0.026
5/12/2014	bmb	HS2	ML600-1	FN081712-01	0.0258	
5/12/2014	bmb	HS2	ML600-1	FN081712-01	0.0262	0.026
5/12/2014	bmb	HS2	ML600-1	FN081712-01	0.0262	
5/12/2014	bmb	HS2	ML600-1	FN081712-01	0.0263	0.026
5/19/2014	COB	HS1	ML600-1	FN081712-01	0.0267	
5/19/2014	COB	HS1	ML600-1	FN081712-01	0.0271	0.026
5/19/2014	COB	HS1	ML600-1	FN081712-01	0.0264	
5/19/2014	COB	HS1	ML600-1	FN081712-01	0.0264	0.026
5/20/2014	COB	HS1	ML600-1	FN081712-01	0.0265	
5/20/2014	COB	HS1	ML600-1	FN081712-01	0.0273	0.026
5/20/2014	COB	HS1	ML600-1	FN081712-01	0.0267	
5/20/2014	COB	HS1	ML600-1	FN081712-01	0.0267	0.026
5/21/2014	COB	HS1	ML600-1	FN081712-01	0.0263	
5/21/2014	COB	HS1	ML600-1	FN081712-01	0.0264	0.026
5/21/2014	COB	HS1	ML600-1	FN081712-01	0.0273	
5/21/2014	COB	HS1	ML600-1	FN081712-01	0.0266	0.026
5/21/2014	COB	HS2	ML600-1	FN081712-01	0.0264	
5/21/2014	COB	HS2	ML600-1	FN081712-01	0.0265	0.026
5/21/2014	COB	HS2	ML600-1	FN081712-01	0.0265	
5/21/2014	COB	HS2	ML600-1	FN081712-01	0.0265	0.026
5/27/2014	bmb	hs2	ML600-1	FN081712-01	0.0259	
5/27/2014	bmb	hs2	ML600-1	FN081712-01	0.0258	0.025
5/27/2014	bmb	hs2	ML600-1	FN081712-01	0.026	
5/27/2014	bmb	hs2	ML600-1	FN081712-01	0.0262	0.026
6/3/2014	COB	HS1	ML600-1	FN081712-01	0.0259	
6/3/2014	COB	HS1	ML600-1	FN081712-01	0.0258	0.025
6/3/2014	COB	HS1	ML600-1	FN081712-01	0.0260	
6/3/2014	COB	HS1	ML600-1	FN081712-01	0.0259	0.025
6/3/2014	BMB	HS2	ML600-1	FN081712-01	0.026	
6/3/2014	BMB	HS2	ML600-1	FN081712-01	0.0261	
6/3/2014	BMB	HS2	ML600-1	FN081712-01	0.0264	
6/3/2014	BMB	HS2	ML600-1	FN081712-01	0.0261	
6/4/2014	bmb	HS1	ML600-1	FN081712-01	0.0254	
6/4/2014	bmb	HS1	ML600-1	FN081712-01	0.0256	0.025
6/4/2014	bmb	HS1	ML600-1	FN081712-01	0.026	
6/4/2014	bmb	HS1	ML600-1	FN081712-01	0.0261	0.026
6/10/2014	CRF	HS1	ML600-1	FN081712-01	0.0259	
6/10/2014	CRF	HS1	ML600-1	FN081712-01	0.026	0.025
6/10/2014	CRF	HS1	ML600-1	FN081712-01	0.0265	
6/10/2014	CRF	HS1	ML600-1	FN081712-01	0.0265	0.026
6/17/2014	COB	HS1	ML600-1	FN081712-01	0.0246	
6/17/2014	COB	HS1	ML600-1	FN081712-01	0.0252	0.024
6/17/2014	COB	HS1	ML600-1	FN081712-01	0.0248	
6/17/2014	COB	HS1	ML600-1	FN081712-01	0.0249	0.024
6/24/2014	CRF	HS1	ML600-1	FN081712-01	0.0263	
6/24/2014	CRF	HS1	ML600-1	FN081712-01	0.026	0.026
6/24/2014	CRF	HS1	ML600-1	FN081712-01	0.0262	
6/24/2014	CRF	HS1	ML600-1	FN081712-01	0.0262	0.026
7/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0263	
7/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0265	0.026
7/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0266	
7/2/2014	CRF	HS1	ML600-1	FN081712-01	0.0265	0.026
7/11/2014	bmb	HS1	ML600-1	FN081712-01	0.0258	
7/11/2014	bmb	HS1	ML600-1	FN081712-01	0.0256	0.025

7/11/2014	bmb	HS1	ML600-1	FN081712-01	0.0259	
7/11/2014	bmb	HS1	ML600-1	FN081712-01	0.0259	0.025
7/14/2014	COB	HS1	ML600-1	FN081712-01	0.0262	
7/14/2014	COB	HS1	ML600-1	FN081712-01	0.0266	0.026
7/14/2014	COB	HS1	ML600-1	FN081712-01	0.0265	
7/14/2014	COB	HS1	ML600-1	FN081712-01	0.0268	0.026
7/22/2014	COB	HS1	ML600-1	FN081712-01	0.0258	
7/22/2014	COB	HS1	ML600-1	FN081712-01	0.0261	0.025
7/22/2014	COB	HS1	ML600-1	FN081712-01	0.0256	
7/22/2014	COB	HS1	ML600-1	FN081712-01	0.0259	0.025
7/29/2014	COB	HS1	ML600-1	FN081712-01	0.0261	
7/29/2014	COB	HS1	ML600-1	FN081712-01	0.0265	0.026
7/29/2014	COB	HS1	ML600-1	FN081712-01	0.0266	
7/29/2014	COB	HS1	ML600-1	FN081712-01	0.0267	0.026
8/4/2014	COB	HS1	ML600-1	FN081712-01	0.026	
8/4/2014	COB	HS1	ML600-1	FN081712-01	0.0261	0.026
8/4/2014	COB	HS1	ML600-1	FN081712-01	0.0264	
8/4/2014	COB	HS1	ML600-1	FN081712-01	0.0262	0.026
8/5/2014	COB	HS1	ML600-1	FN081712-01	0.0257	
8/5/2014	COB	HS1	ML600-1	FN081712-01	0.0257	0.025
8/5/2014	COB	HS1	ML600-1	FN081712-01	0.0258	
8/5/2014	COB	HS1	ML600-1	FN081712-01	0.0256	0.025
8/11/2014	COB	HS1	ML600-1	FN081712-01	0.0268	
8/11/2014	COB	HS1	ML600-1	FN081712-01	0.0272	
8/11/2014	COB	HS1	ML600-1	FN081712-01	0.0271	
8/11/2014	COB	HS1	ML600-1	FN081712-01	0.0271	
8/12/2014	COB	HS1	ML600-1	FN081712-01	0.026	
8/12/2014	COB	HS1	ML600-1	FN081712-01	0.0257	0.025
8/12/2014	COB	HS1	ML600-1	FN081712-01	0.0261	
8/12/2014	COB	HS1	ML600-1	FN081712-01	0.0258	0.025
8/25/2014	COB	HS1	ML600-1	FN081712-01	0.0261	
8/25/2014	COB	HS1	ML600-1	FN081712-01	0.0262	0.026
8/25/2014	COB	HS1	ML600-1	FN081712-01	0.0262	
8/25/2014	COB	HS1	ML600-1	FN081712-01	0.0263	0.026
8/29/2014	COB	HS1	ML600-1	FN081712-01	0.026	
8/29/2014	COB	HS1	ML600-1	FN081712-01	0.026	0.026
8/29/2014	COB	HS1	ML600-1	FN081712-01	0.0261	
8/29/2014	COB	HS1	ML600-1	FN081712-01	0.026	0.026
9/9/2014	COB	HS1	ML600-1	FN081712-01	0.0259	
9/9/2014	COB	HS1	ML600-1	FN081712-01	0.0259	0.025
9/9/2014	COB	HS1	ML600-1	FN081712-01	0.0262	
9/9/2014	COB	HS1	ML600-1	FN081712-01	0.0261	0.026
9/15/2014	bmb	HS1	ML600-1	FN081712-01	0.0266	
9/15/2014	bmb	HS1	ML600-1	FN081712-01	0.0265	0.026
9/15/2014	bmb	HS1	ML600-1	FN081712-01	0.0265	
9/15/2014	bmb	HS1	ML600-1	FN081712-01	0.027	0.026
9/23/2014	COB	HS1	ML600-1	FN081712-01	0.0256	
9/23/2014	COB	HS1	ML600-1	FN081712-01	0.0261	0.025
9/23/2014	COB	HS1	ML600-1	FN081712-01	0.0255	
9/23/2014	COB	HS1	ML600-1	FN081712-01	0.0257	0.025
9/29/2014	COB	HS1	ML600-1	FN081712-01	0.0253	
9/29/2014	COB	HS1	ML600-1	FN081712-01	0.0251	0.025
9/29/2014	COB	HS1	ML600-1	FN081712-01	0.0255	
9/29/2014	COB	HS1	ML600-1	FN081712-01	0.0254	0.025
10/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0254	
10/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0255	0.025
10/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0252	
10/7/2014	bmb	HS1	ML600-1	FN081712-01	0.0256	0.025
10/13/2014	CRF	HS2	ML600-1	FN081712-01	0.0256	
10/13/2014	CRF	HS2	ML600-1	FN081712-01	0.0259	0.025
10/13/2014	CRF	HS2	ML600-1	FN081712-01	0.0259	
10/13/2014	CRF	HS2	ML600-1	FN081712-01	0.0261	0.026
10/20/2014	COB	HS1	ML600-1	FN081712-01	0.0259	
10/20/2014	COB	HS1	ML600-1	FN081712-01	0.0257	0.025
10/20/2014	COB	HS1	ML600-1	FN081712-01	0.0257	
10/20/2014	COB	HS1	ML600-1	FN081712-01	0.0263	0.026
10/27/2014	COB	HS2	ML600-1	FN081712-01	0.0242	
10/27/2014	COB	HS2	ML600-1	FN081712-01	0.0238	0.024
10/27/2014	COB	HS2	ML600-1	FN081712-01	0.024	
10/27/2014	COB	HS2	ML600-1	FN081712-01	0.0245	0.024
11/3/2014	CRF	HS2	ML600-1	FN081712-01	0.0259	

11/3/2014	CRF	HS2	ML600-1	FN081712-01	0.0258	0.025
11/3/2014	CRF	HS2	ML600-1	FN081712-01	0.0259	
11/3/2014	CRF	HS2	ML600-1	FN081712-01	0.026	0.025
11/12/2014	bmb	HS1	ML600-1	FN081712-01	0.0257	
11/12/2014	bmb	HS1	ML600-1	FN081712-01	0.0253	0.025
11/12/2014	bmb	HS1	ML600-1	FN081712-01	0.025	
11/12/2014	bmb	HS1	ML600-1	FN081712-01	0.0254	0.025
11/20/2014	COB	HS2	ML600-1	FN081712-01	0.0259	
11/20/2014	COB	HS2	ML600-1	FN081712-01	0.0258	0.025
11/20/2014	COB	HS2	ML600-1	FN081712-01	0.0258	
11/20/2014	COB	HS2	ML600-1	FN081712-01	0.026	0.025
12/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0261	
12/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0265	0.026
12/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0263	
12/2/2014	CRF	HS2	ML600-1	FN081712-01	0.0262	0.026
12/8/2014	COB	HS2	ML600-1	FN081712-01	0.0266	
12/8/2014	COB	HS2	ML600-1	FN081712-01	0.0268	0.026
12/8/2014	COB	HS2	ML600-1	FN081712-01	0.027	
12/8/2014	COB	HS2	ML600-1	FN081712-01	0.0268	0.026
12/15/2014	COB	HS2	ML600-1	FN081712-01	0.0258	
12/15/2014	COB	HS2	ML600-1	FN081712-01	0.0261	0.025
12/15/2014	COB	HS2	ML600-1	FN081712-01	0.0263	
12/15/2014	COB	HS2	ML600-1	FN081712-01	0.0266	0.026
12/22/2014	CRF	HS2	ML600-1	FN081712-01	0.0256	
12/22/2014	CRF	HS2	ML600-1	FN081712-01	0.0258	0.025
12/22/2014	CRF	HS2	ML600-1	FN081712-01	0.0261	
12/22/2014	CRF	HS2	ML600-1	FN081712-01	0.0262	0.026
12/30/2014	bmb	HS1	ML600-1	FN081712-01	0.0263	
12/30/2014	bmb	HS1	ML600-1	FN081712-01	0.026	0.026
12/30/2014	bmb	HS1	ML600-1	FN081712-01	0.0261	
12/30/2014	bmb	HS1	ML600-1	FN081712-01	0.0258	0.025
1/6/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	
1/6/2015	bmb	HS2	ML600-1	FN081712-01	0.0258	0.025
1/6/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	
1/6/2015	bmb	HS2	ML600-1	FN081712-01	0.0259	0.025
1/13/2015	CRF	HS2	ML600-1	FN081712-01	0.0261	
1/13/2015	CRF	HS2	ML600-1	FN081712-01	0.0261	0.026
1/13/2015	CRF	HS2	ML600-1	FN081712-01	0.0263	
1/13/2015	CRF	HS2	ML600-1	FN081712-01	0.0264	0.026
1/20/2015	COB	HS1	ML600-1	FN081712-01	0.0257	
1/20/2015	COB	HS1	ML600-1	FN081712-01	0.0256	0.025
1/20/2015	COB	HS1	ML600-1	FN081712-01	0.0266	
1/20/2015	COB	HS1	ML600-1	FN081712-01	0.0263	0.026
1/27/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	
1/27/2015	bmb	HS2	ML600-1	FN081712-01	0.0258	0.025
1/27/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	
1/27/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	0.025
2/6/2015	bmb	HS1	ML600-1	FN081712-01	0.0254	
2/6/2015	bmb	HS1	ML600-1	FN081712-01	0.0253	0.025
2/6/2015	bmb	HS1	ML600-1	FN081712-01	0.0252	
2/6/2015	bmb	HS1	ML600-1	FN081712-01	0.0254	0.025
2/6/2015	CRF	HS2	ML600-1	FN081712-01	0.0259	
2/6/2015	CRF	HS2	ML600-1	FN081712-01	0.0265	0.026
2/6/2015	CRF	HS2	ML600-1	FN081712-01	0.0263	
2/6/2015	CRF	HS2	ML600-1	FN081712-01	0.0263	0.026
2/17/2015	COB	HS2	ML600-1	FN081712-01	0.0259	
2/17/2015	COB	HS2	ML600-1	FN081712-01	0.0259	0.025
2/17/2015	COB	HS2	ML600-1	FN081712-01	0.0264	
2/17/2015	COB	HS2	ML600-1	FN081712-01	0.0261	0.026
2/23/2015	COB	HS2	ML600-1	FN081712-01	0.0257	
2/23/2015	COB	HS2	ML600-1	FN081712-01	0.0261	0.025
2/23/2015	COB	HS2	ML600-1	FN081712-01	0.0264	
2/23/2015	COB	HS2	ML600-1	FN081712-01	0.0263	0.026
3/9/2015	CRF	HS2	ML600-1	FN081712-01	0.0263	
3/9/2015	CRF	HS2	ML600-1	FN081712-01	0.0264	0.026
3/9/2015	CRF	HS2	ML600-1	FN081712-01	0.0263	
3/9/2015	CRF	HS2	ML600-1	FN081712-01	0.0266	0.026
3/17/2015	COB	HS1	ML600-1	FN081712-01	0.0251	
3/17/2015	COB	HS1	ML600-1	FN081712-01	0.0253	0.025
3/17/2015	COB	HS1	ML600-1	FN081712-01	0.0255	
3/17/2015	COB	HS1	ML600-1	FN081712-01	0.0255	0.025

3/18/2015	COB	HS1	ML600-1	FN081712-01	0.0259	
3/18/2015	COB	HS1	ML600-1	FN081712-01	0.0257	0.025
3/18/2015	COB	HS1	ML600-1	FN081712-01	0.0259	
3/18/2015	COB	HS1	ML600-1	FN081712-01	0.026	0.025
3/24/2015	bmb	HS1	ML600-1	FN081712-01	0.0257	
3/24/2015	bmb	HS1	ML600-1	FN081712-01	0.0255	0.025
3/24/2015	bmb	HS1	ML600-1	FN081712-01	0.0256	
3/24/2015	bmb	HS1	ML600-1	FN081712-01	0.0258	0.025
3/31/2015	COB	HS1	ML600-1	FN081712-01	0.0258	
3/31/2015	COB	HS1	ML600-1	FN081712-01	0.0253	0.025
3/31/2015	COB	HS1	ML600-1	FN081712-01	0.0258	
3/31/2015	COB	HS1	ML600-1	FN081712-01	0.0262	0.026
4/6/2015	CRF	HS2	ML600-1	FN081712-01	0.025	
4/6/2015	CRF	HS2	ML600-1	FN081712-01	0.0256	0.025
4/6/2015	CRF	HS2	ML600-1	FN081712-01	0.0256	
4/6/2015	CRF	HS2	ML600-1	FN081712-01	0.0258	0.025
4/13/2015	COB	HS1	ML600-1	FN081712-01	0.0256	
4/13/2015	COB	HS1	ML600-1	FN081712-01	0.0259	0.025
4/13/2015	COB	HS1	ML600-1	FN081712-01	0.0258	
4/13/2015	COB	HS1	ML600-1	FN081712-01	0.0262	0.026
4/20/2015	BMB	HS1	ML600-1	FN081712-01	0.0257	
4/20/2015	BMB	HS1	ML600-1	FN081712-01	0.0261	0.025
4/20/2015	BMB	HS1	ML600-1	FN081712-01	0.0263	
4/20/2015	BMB	HS1	ML600-1	FN081712-01	0.026	0.026
4/27/2015	BMB	HS1	ML600-1	FN081712-01	0.0251	
4/27/2015	BMB	HS1	ML600-1	FN081712-01	0.0248	0.024
4/27/2015	BMB	HS1	ML600-1	FN081712-01	0.0253	
4/27/2015	BMB	HS1	ML600-1	FN081712-01	0.0255	0.025
4/28/2015	COB	HS2	ML600-1	FN081712-01	0.0262	
4/28/2015	COB	HS2	ML600-1	FN081712-01	0.0263	0.026
4/28/2015	COB	HS2	ML600-1	FN081712-01	0.0264	
4/28/2015	COB	HS2	ML600-1	FN081712-01	0.0266	0.026
5/12/2015	COB	HS2	ML600-1	FN081712-01	0.0259	
5/12/2015	COB	HS2	ML600-1	FN081712-01	0.0262	0.026
5/12/2015	COB	HS2	ML600-1	FN081712-01	0.0262	
5/12/2015	COB	HS2	ML600-1	FN081712-01	0.0262	0.026
5/13/2015	BMB	HS1	ML600-1	FN081712-01	0.0259	
5/13/2015	BMB	HS1	ML600-1	FN081712-01	0.0256	0.025
5/13/2015	BMB	HS1	ML600-1	FN081712-01	0.0259	
5/13/2015	BMB	HS1	ML600-1	FN081712-01	0.026	0.025
5/18/2015	COB	HS2	ML600-1	FN081712-01	0.0254	
5/18/2015	COB	HS2	ML600-1	FN081712-01	0.0257	0.025
5/18/2015	COB	HS2	ML600-1	FN081712-01	0.0258	
5/18/2015	COB	HS2	ML600-1	FN081712-01	0.026	0.025
5/18/2015	bmb	HS1	ML600-1	FN081712-01	0.0252	
5/18/2015	bmb	HS1	ML600-1	FN081712-01	0.0252	0.025
5/18/2015	bmb	HS1	ML600-1	FN081712-01	0.0253	
5/18/2015	bmb	HS1	ML600-1	FN081712-01	0.0256	0.025
5/26/2015	COB	HS2	ML600-1	FN081712-01	0.026	
5/26/2015	COB	HS2	ML600-1	FN081712-01	0.026	0.026
5/26/2015	COB	HS2	ML600-1	FN081712-01	0.0262	
5/26/2015	COB	HS2	ML600-1	FN081712-01	0.0266	0.026
6/1/2015	COB	HS2	ML600-1	FN081712-01	0.0254	
6/1/2015	COB	HS2	ML600-1	FN081712-01	0.0257	0.025
6/1/2015	COB	HS2	ML600-1	FN081712-01	0.0255	
6/1/2015	COB	HS2	ML600-1	FN081712-01	0.0254	0.025
6/8/2015	CRF	HS2	ML600-1	FN081712-01	0.0258	
6/8/2015	CRF	HS2	ML600-1	FN081712-01	0.0257	0.025
6/8/2015	CRF	HS2	ML600-1	FN081712-01	0.026	
6/8/2015	CRF	HS2	ML600-1	FN081712-01	0.0259	0.025
6/15/2015	bmb	HS2	ML600-1	FN081712-01	0.0258	
6/15/2015	bmb	HS2	ML600-1	FN081712-01	0.0261	0.025
6/15/2015	bmb	HS2	ML600-1	FN081712-01	0.0259	
6/15/2015	bmb	HS2	ML600-1	FN081712-01	0.026	0.025
6/22/2015	COB	HS2	ML600-1	FN081712-01	0.0261	
6/22/2015	COB	HS2	ML600-1	FN081712-01	0.0262	0.026
6/22/2015	COB	HS2	ML600-1	FN081712-01	0.0264	
6/22/2015	COB	HS2	ML600-1	FN081712-01	0.0268	0.026
6/29/2015	CRF	HS2	ML600-1	FN081712-01	0.0256	
6/29/2015	CRF	HS2	ML600-1	FN081712-01	0.0255	0.025
6/29/2015	CRF	HS2	ML600-1	FN081712-01	0.0258	

6/29/2015	CRF	HS2	ML600-1	FN081712-01	0.0259	0.025
6/29/2015	BMB	HS1	ML600-1	FN081712-01	0.0257	
6/29/2015	BMB	HS1	ML600-1	FN081712-01	0.0257	0.025
6/29/2015	BMB	HS1	ML600-1	FN081712-01	0.0259	
6/29/2015	BMB	HS1	ML600-1	FN081712-01	0.0261	0.026
7/6/2015	BMB	HS2	ML600-1	FN081712-01	0.0256	
7/6/2015	BMB	HS2	ML600-1	FN081712-01	0.0256	0.025
7/6/2015	BMB	HS2	ML600-1	FN081712-01	0.0257	
7/6/2015	BMB	HS2	ML600-1	FN081712-01	0.0259	0.025
7/13/2015	COB	HS1	ML600-1	FN081712-01	0.0269	
7/13/2015	COB	HS1	ML600-1	FN081712-01	0.0267	0.026
7/13/2015	COB	HS1	ML600-1	FN081712-01	0.0268	
7/13/2015	COB	HS1	ML600-1	FN081712-01	0.027	0.026
7/20/2015	CRF	HS2	ML600-1	FN081712-01	0.0261	
7/20/2015	CRF	HS2	ML600-1	FN081712-01	0.0259	0.026
7/20/2015	CRF	HS2	ML600-1	FN081712-01	0.0261	
7/20/2015	CRF	HS2	ML600-1	FN081712-01	0.0261	0.026
7/27/2015	COB	HS1	ML600-1	FN081712-01	0.0257	
7/27/2015	COB	HS1	ML600-1	FN081712-01	0.0259	0.025
7/27/2015	COB	HS1	ML600-1	FN081712-01	0.026	
7/27/2015	COB	HS1	ML600-1	FN081712-01	0.0259	0.025
7/27/2015	BMB	HS2	ML600-1	FN081712-01	0.0261	
7/27/2015	BMB	HS2	ML600-1	FN081712-01	0.026	0.026
7/27/2015	BMB	HS2	ML600-1	FN081712-01	0.0263	
7/27/2015	BMB	HS2	ML600-1	FN081712-01	0.026	0.026
8/3/2015	CRF	HS2	ML600-1	FN081712-01	0.0249	
8/3/2015	CRF	HS2	ML600-1	FN081712-01	0.0252	0.025
8/3/2015	CRF	HS2	ML600-1	FN081712-01	0.0256	
8/3/2015	CRF	HS2	ML600-1	FN081712-01	0.0256	0.025
8/11/2015	CRF	HS2	ML600-1	FN081712-01	0.0255	
8/11/2015	CRF	HS2	ML600-1	FN081712-01	0.0253	0.025
8/11/2015	CRF	HS2	ML600-1	FN081712-01	0.0258	
8/11/2015	CRF	HS2	ML600-1	FN081712-01	0.0256	0.025
8/17/2015	COB	HS1	ML600-1	FN081712-01	0.0264	
8/17/2015	COB	HS1	ML600-1	FN081712-01	0.0269	0.026
8/17/2015	COB	HS1	ML600-1	FN081712-01	0.0271	
8/17/2015	COB	HS1	ML600-1	FN081712-01	0.027	0.027
8/17/2015	COB	HS2	ML600-1	FN081712-01	0.0261	
8/17/2015	COB	HS2	ML600-1	FN081712-01	0.0261	0.026
8/17/2015	COB	HS2	ML600-1	FN081712-01	0.0261	
8/17/2015	COB	HS2	ML600-1	FN081712-01	0.0259	0.026
8/18/2015	COB	HS1	ML600-1	FN081712-01	0.0257	
8/18/2015	COB	HS1	ML600-1	FN081712-01	0.0255	0.025
8/18/2015	COB	HS1	ML600-1	FN081712-01	0.0255	
8/18/2015	COB	HS1	ML600-1	FN081712-01	0.0256	0.025
8/18/2015	COB	HS2	ML600-1	FN081712-01	0.0257	
8/18/2015	COB	HS2	ML600-1	FN081712-01	0.0259	0.025
8/18/2015	COB	HS2	ML600-1	FN081712-01	0.0256	
8/18/2015	COB	HS2	ML600-1	FN081712-01	0.0258	0.025
8/24/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	
8/24/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	0.025
8/24/2015	bmb	HS2	ML600-1	FN081712-01	0.0259	
8/24/2015	bmb	HS2	ML600-1	FN081712-01	0.0257	0.025
8/31/2015	bmb	HS1	ML600-1	FN081712-01	0.0268	
8/31/2015	bmb	HS1	ML600-1	FN081712-01	0.0268	0.026
8/31/2015	bmb	HS1	ML600-1	FN081712-01	0.027	
8/31/2015	bmb	HS1	ML600-1	FN081712-01	0.0268	0.026
9/9/2015	CRF	HS2	Wilma	FN081712-01	0.0257	
9/9/2015	CRF	HS2	Wilma	FN081712-01	0.026	0.025
9/9/2015	CRF	HS2	Wilma	FN081712-01	0.0259	
9/9/2015	CRF	HS2	Wilma	FN081712-01	0.0258	0.025
9/14/2015	COB	HS1	Wilma	FN081712-01	0.0257	
9/14/2015	COB	HS1	Wilma	FN081712-01	0.0259	0.025
9/14/2015	COB	HS1	Wilma	FN081712-01	0.0257	
9/14/2015	COB	HS1	Wilma	FN081712-01	0.0261	0.025
9/22/2015	bmb	HS1	Wilma	FN081712-01	0.0265	
9/22/2015	bmb	HS1	Wilma	FN081712-01	0.0267	0.026
9/22/2015	bmb	HS1	Wilma	FN081712-01	0.0268	
9/22/2015	bmb	HS1	Wilma	FN081712-01	0.027	0.026
9/22/2015	COB	HS2	Wilma	FN081712-01	0.0258	
9/22/2015	COB	HS2	Wilma	FN081712-01	0.0258	0.025

9/22/2015	COB	HS2	Wilma	FN081712-01	0.0254	
9/22/2015	COB	HS2	Wilma	FN081712-01	0.0251	0.025
9/28/2015	CRF	HS2	Wilma	FN081712-01	0.0253	
9/28/2015	CRF	HS2	Wilma	FN081712-01	0.0258	0.025
9/28/2015	CRF	HS2	Wilma	FN081712-01	0.0256	
9/28/2015	CRF	HS2	Wilma	FN081712-01	0.0258	0.025
10/5/2015	COB	HS2	Wilma	FN081712-01	0.0259	
10/5/2015	COB	HS2	Wilma	FN081712-01	0.026	0.025
10/5/2015	COB	HS2	Wilma	FN081712-01	0.0259	
10/5/2015	COB	HS2	Wilma	FN081712-01	0.0259	0.025
10/13/2015	bmb	HS2	Wilma	FN081712-01	0.0254	
10/13/2015	bmb	HS2	Wilma	FN081712-01	0.0257	0.025
10/13/2015	bmb	HS2	Wilma	FN081712-01	0.026	
10/13/2015	bmb	HS2	Wilma	FN081712-01	0.0262	0.026
10/20/2015	CRF	HS2	Wilma	FN081712-01	0.0261	
10/20/2015	CRF	HS2	Wilma	FN081712-01	0.0263	0.026
10/20/2015	CRF	HS2	Wilma	FN081712-01	0.0266	
10/20/2015	CRF	HS2	Wilma	FN081712-01	0.0263	0.026
10/27/2015	COB	HS1	Wilma	FN081712-01	0.0261	
10/27/2015	COB	HS1	Wilma	FN081712-01	0.0262	0.026
10/27/2015	COB	HS1	Wilma	FN081712-01	0.0265	
10/27/2015	COB	HS1	Wilma	FN081712-01	0.0265	0.026
11/4/2015	bmb	HS2	Wilma	FN081712-01	0.0251	
11/4/2015	bmb	HS2	Wilma	FN081712-01	0.0253	0.025
11/4/2015	bmb	HS2	Wilma	FN081712-01	0.0259	
11/4/2015	bmb	HS2	Wilma	FN081712-01	0.0257	0.025
11/16/2015	COB	HS2	Wilma	FN081712-01	0.0256	
11/16/2015	COB	HS2	Wilma	FN081712-01	0.026	0.025
11/16/2015	COB	HS2	Wilma	FN081712-01	0.0261	
11/16/2015	COB	HS2	Wilma	FN081712-01	0.0262	0.026
11/20/2015	CRF	HS1	Wilma	FN081712-01	0.0261	
11/20/2015	CRF	HS1	Wilma	FN081712-01	0.026	0.026
11/20/2015	CRF	HS1	Wilma	FN081712-01	0.0264	
11/20/2015	CRF	HS1	Wilma	FN081712-01	0.0261	0.026
12/4/2015	bmb	HS2	Wilma	FN081712-01	0.0257	
12/4/2015	bmb	HS2	Wilma	FN081712-01	0.026	0.025
12/4/2015	bmb	HS2	Wilma	FN081712-01	0.026	
12/4/2015	bmb	HS2	Wilma	FN081712-01	0.0261	0.026
12/14/2015	COB	HS1	Wilma	FN081712-01	0.0257	
12/14/2015	COB	HS1	Wilma	FN081712-01	0.0257	0.025
12/14/2015	COB	HS1	Wilma	FN081712-01	0.0258	
12/14/2015	COB	HS1	Wilma	FN081712-01	0.0255	0.025

0.300 g/100mL Certified Reference Standard Control Data

N=	377	Mean=	0.3028	SD=	0.0026	SD*2=	0.0052	%RSD=	0.86128	%RSD*2	1.7	%Bias	0.9
Date	Anaylst	Instrument	Pipetter	Lot	Value	Reported							
6/28/2012	CRF	HS2	Wilma	FN121510-01	0.2998								
6/28/2012	CRF	HS2	Wilma	FN121510-01	0.3002	0.300							
6/28/2012	CRF	HS2	Wilma	FN121510-01	0.3011								
6/28/2012	CRF	HS2	Wilma	FN121510-01	0.3026	0.301							
7/3/2012	CRF	HS2	Wilma	FN121510-01	0.3011								
7/3/2012	CRF	HS2	Wilma	FN121510-01	0.3000	0.300							
7/3/2012	CRF	HS2	Wilma	FN121510-01	0.3040								
7/3/2012	CRF	HS2	Wilma	FN121510-01	0.3050	0.304							
7/9/2012	bmb	HS2	Wilma	FN121510-01	0.3022								
7/9/2012	bmb	HS2	Wilma	FN121510-01	0.3013	0.301							
7/9/2012	bmb	HS2	Wilma	FN121510-01	0.3053								
7/9/2012	bmb	HS2	Wilma	FN121510-01	0.3037	0.304							
7/10/2012	COB	HS2	Wilma	FN121510-01	0.3017								
7/10/2012	COB	HS2	Wilma	FN121510-01	0.3002	0.300							
7/10/2012	COB	HS2	Wilma	FN121510-01	0.3060								
7/10/2012	COB	HS2	Wilma	FN121510-01	0.3048	0.305							
7/11/2012	CRF	HS2	Wilma	FN121510-01	0.3016								
7/11/2012	CRF	HS2	Wilma	FN121510-01	0.3035	0.302							
7/11/2012	CRF	HS2	Wilma	FN121510-01	0.3042								
7/11/2012	CRF	HS2	Wilma	FN121510-01	0.3050	0.304							
7/16/2012	bmb	HS2	Wilma	FN121510-01	0.3021								
7/16/2012	bmb	HS2	Wilma	FN121510-01	0.3007	0.301							
7/16/2012	bmb	HS2	Wilma	FN121510-01	0.2968								
7/16/2012	bmb	HS2	Wilma	FN121510-01	0.2983	0.297							
7/18/2012	COB	HS2	Wilma	FN121510-01	0.3014								
7/18/2012	COB	HS2	Wilma	FN121510-01	0.3015	0.301							
7/18/2012	COB	HS2	Wilma	FN121510-01	0.3055								
7/18/2012	COB	HS2	Wilma	FN121510-01	0.3057	0.305							
7/26/2012	CRF	HS2	Wilma	FN121510-01	0.3015								
7/26/2012	CRF	HS2	Wilma	FN121510-01	0.3009	0.301							
7/26/2012	CRF	HS2	Wilma	FN121510-01	0.3065								
7/26/2012	CRF	HS2	Wilma	FN121510-01	0.3050	0.305							
7/30/2012	COB	HS2	Wilma	FN121510-01	0.3060								
7/30/2012	COB	HS2	Wilma	FN121510-01	0.3043	0.305							
7/30/2012	COB	HS2	Wilma	FN121510-01	0.3033								
7/30/2012	COB	HS2	Wilma	FN121510-01	0.3039	0.303							
8/2/2012	COB	HS2	Wilma	FN121510-01	0.3003								
8/2/2012	COB	HS2	Wilma	FN121510-01	0.3000	0.300							
8/2/2012	COB	HS2	Wilma	FN121510-01	0.2993								
8/2/2012	COB	HS2	Wilma	FN121510-01	0.2992	0.299							
8/9/2012	bmb	HS2	Wilma	FN121510-01	0.2991								
8/9/2012	bmb	HS2	Wilma	FN121510-01	0.2997	0.299							
8/9/2012	bmb	HS2	Wilma	FN121510-01	0.2973								
8/9/2012	bmb	HS2	Wilma	FN121510-01	0.2989	0.298							
8/13/2012	CRF	HS2	Wilma	FN121510-01	0.2996								
8/13/2012	CRF	HS2	Wilma	FN121510-01	0.3019	0.300							
8/13/2012	CRF	HS2	Wilma	FN121510-01	0.3036								
8/13/2012	CRF	HS2	Wilma	FN121510-01	0.3035	0.303							
8/16/2012	CRF	HS2	Wilma	FN121510-01	0.3001								
8/16/2012	CRF	HS2	Wilma	FN121510-01	0.2995	0.299							
8/16/2012	CRF	HS2	Wilma	FN121510-01	0.3029								
8/16/2012	CRF	HS2	Wilma	FN121510-01	0.3023	0.302							
8/22/2012	COB	HS2	Wilma	FN121510-01	0.3018								
8/22/2012	COB	HS2	Wilma	FN121510-01	0.3010	0.301							
8/22/2012	COB	HS2	Wilma	FN121510-01	0.2965								
8/22/2012	COB	HS2	Wilma	FN121510-01	0.2962	0.296							
9/7/2012	COB	HS2	Wilma	FN121510-01	0.3030								
9/7/2012	COB	HS2	Wilma	FN121510-01	0.3012	0.302							
9/7/2012	COB	HS2	Wilma	FN121510-01	0.3032								
9/7/2012	COB	HS2	Wilma	FN121510-01	0.2996	0.301							
9/12/2012	bmb	HS2	Wilma	FN121510-01	0.3029								
9/12/2012	bmb	HS2	Wilma	FN121510-01	0.3026	0.302							
9/12/2012	bmb	HS2	Wilma	FN121510-01	0.3031								
9/12/2012	bmb	HS2	Wilma	FN121510-01	0.3023	0.302							
9/17/2012	CRF	HS2	Wilma	FN121510-01	0.3016								
9/17/2012	CRF	HS2	Wilma	FN121510-01	0.3029	0.302							
9/17/2012	CRF	HS2	Wilma	FN121510-01	0.3045								
9/17/2012	CRF	HS2	Wilma	FN121510-01	0.3060	0.305							
9/25/2012	COB	HS2	Wilma	FN121510-01	0.3008								

9/25/2012	COB	HS2	Wilma	FN121510-01	0.3023	0.301
9/25/2012	COB	HS2	Wilma	FN121510-01	0.3021	
9/25/2012	COB	HS2	Wilma	FN121510-01	0.2973	0.299
10/5/2012	COB	HS2	Wilma	FN121510-01	0.3013	
10/5/2012	COB	HS2	Wilma	FN121510-01	0.2998	0.300
10/5/2012	COB	HS2	Wilma	FN121510-01	0.3052	
10/5/2012	COB	HS2	Wilma	FN121510-01	0.3007	0.302
10/15/2012	CRF	HS2	Wilma	FN121510-01	0.3011	
10/15/2012	CRF	HS2	Wilma	FN121510-01	0.3007	0.300
10/15/2012	CRF	HS2	Wilma	FN121510-01	0.3018	
10/15/2012	CRF	HS2	Wilma	FN121510-01	0.3023	0.302
10/17/2012	bmb	HS2	Wilma	FN121510-01	0.3007	
10/17/2012	bmb	HS2	Wilma	FN121510-01	0.3012	0.300
10/17/2012	bmb	HS2	Wilma	FN121510-01	0.3029	
10/17/2012	bmb	HS2	Wilma	FN121510-01	0.3020	0.302
10/19/2012	CRF	HS2	Wilma	FN121510-01	0.3022	
10/19/2012	CRF	HS2	Wilma	FN121510-01	0.3027	0.302
10/19/2012	CRF	HS2	Wilma	FN121510-01	0.3064	
10/19/2012	CRF	HS2	Wilma	FN121510-01	0.3046	0.305
10/23/2012	COB	HS2	Wilma	FN121510-01	0.3007	
10/23/2012	COB	HS2	Wilma	FN121510-01	0.3019	0.301
10/23/2012	COB	HS2	Wilma	FN121510-01	0.3011	
10/23/2012	COB	HS2	Wilma	FN121510-01	0.3016	0.301
11/2/2012	bmb	HS2	ML600-1	FN121510-01	0.3032	
11/2/2012	bmb	HS2	ML600-1	FN121510-01	0.3009	0.302
11/2/2012	bmb	HS2	ML600-1	FN121510-01	0.3045	
11/2/2012	bmb	HS2	ML600-1	FN121510-01	0.3069	0.305
11/6/2012	CRF	HS2	ML600-1	FN121510-01	0.3027	
11/6/2012	CRF	HS2	ML600-1	FN121510-01	0.3012	0.301
11/6/2012	CRF	HS2	ML600-1	FN121510-01	0.3075	
11/6/2012	CRF	HS2	ML600-1	FN121510-01	0.3108	0.309
11/16/2012	COB	HS2	ML600-1	FN121510-01	0.3018	
11/16/2012	COB	HS2	ML600-1	FN121510-01	0.3023	0.302
11/16/2012	COB	HS2	ML600-1	FN121510-01	0.3057	
11/16/2012	COB	HS2	ML600-1	FN121510-01	0.3071	0.306
11/16/2012	bmb	HS2	ML600-1	FN121510-01	0.3011	
11/16/2012	bmb	HS2	ML600-1	FN121510-01	0.3018	0.301
11/16/2012	bmb	HS2	ML600-1	FN121510-01	0.3057	
11/16/2012	bmb	HS2	ML600-1	FN121510-01	0.3040	0.304
11/20/2012	CRF	HS2	ML600-1	FN121510-01	0.3020	
11/20/2012	CRF	HS2	ML600-1	FN121510-01	0.3025	0.302
11/20/2012	CRF	HS2	ML600-1	FN121510-01	0.3067	
11/20/2012	CRF	HS2	ML600-1	FN121510-01	0.3078	0.307
11/28/2012	COB	HS2	ML600-1	FN121510-01	0.3025	
11/28/2012	COB	HS2	ML600-1	FN121510-01	0.3021	0.302
11/28/2012	COB	HS2	ML600-1	FN121510-01	0.3021	
11/28/2012	COB	HS2	ML600-1	FN121510-01	0.3044	0.303
12/3/2012	CRF	HS1	ML600-1	FN121510-01	0.3022	
12/3/2012	CRF	HS1	ML600-1	FN121510-01	0.3021	0.302
12/3/2012	CRF	HS1	ML600-1	FN121510-01	0.3062	
12/3/2012	CRF	HS1	ML600-1	FN121510-01	0.3044	0.305
12/13/2012	bmb	HS2	ML600-1	FN121510-01	0.3007	
12/13/2012	bmb	HS2	ML600-1	FN121510-01	0.3020	0.301
12/13/2012	bmb	HS2	ML600-1	FN121510-01	0.3066	
12/13/2012	bmb	HS2	ML600-1	FN121510-01	0.3059	0.306
12/21/2012	COB	HS2	ML600-1	FN121510-01	0.3064	
12/21/2012	COB	HS2	ML600-1	FN121510-01	0.3053	0.305
12/21/2012	COB	HS2	ML600-1	FN121510-01	0.3097	
12/21/2012	COB	HS2	ML600-1	FN121510-01	0.3105	0.310
12/26/2012	CRF	HS1	ML600-1	FN121510-01	0.3025	
12/26/2012	CRF	HS1	ML600-1	FN121510-01	0.3017	0.302
12/26/2012	CRF	HS1	ML600-1	FN121510-01	0.3053	
12/26/2012	CRF	HS1	ML600-1	FN121510-01	0.3052	0.305
1/14/2013	COB	HS2	ML600-1	FN121510-01	0.3039	
1/14/2013	COB	HS2	ML600-1	FN121510-01	0.3055	0.304
1/14/2013	COB	HS2	ML600-1	FN121510-01	0.3085	
1/14/2013	COB	HS2	ML600-1	FN121510-01	0.3076	0.308
1/24/2013	bmb	HS2	ML600-1	FN121510-01	0.3025	
1/24/2013	bmb	HS2	ML600-1	FN121510-01	0.3021	0.302
1/24/2013	bmb	HS2	ML600-1	FN121510-01	0.3042	
1/24/2013	bmb	HS2	ML600-1	FN121510-01	0.3031	0.303

1/28/2013	CRF	HS1	ML600-1	FN121510-01	0.2997	
1/28/2013	CRF	HS1	ML600-1	FN121510-01	0.3016	0.300
1/28/2013	CRF	HS1	ML600-1	FN121510-01	0.3043	
1/28/2013	CRF	HS1	ML600-1	FN121510-01	0.3046	0.304
2/6/2013	COB	HS1	ML600-1	FN121510-01	0.3024	
2/6/2013	COB	HS1	ML600-1	FN121510-01	0.3016	0.302
2/6/2013	COB	HS1	ML600-1	FN121510-01	0.3055	
2/6/2013	COB	HS1	ML600-1	FN121510-01	0.3047	0.305
2/12/2013	COB	HS2	ML600-1	FN121510-01	0.3004	
2/12/2013	COB	HS2	ML600-1	FN121510-01	0.3020	0.301
2/12/2013	COB	HS2	ML600-1	FN121510-01	0.3038	
2/12/2013	COB	HS2	ML600-1	FN121510-01	0.3052	0.304
2/25/2013	bmb	HS2	ML600-1	FN121510-01	0.3029	
2/25/2013	bmb	HS2	ML600-1	FN121510-01	0.3028	0.302
2/25/2013	bmb	HS2	ML600-1	FN121510-01	0.3093	
2/25/2013	bmb	HS2	ML600-1	FN121510-01	0.3085	0.308
3/7/2013	CRF	HS1	ML600-1	FN121510-01	0.3018	
3/7/2013	CRF	HS1	ML600-1	FN121510-01	0.3013	0.301
3/7/2013	CRF	HS1	ML600-1	FN121510-01	0.3040	
3/7/2013	CRF	HS1	ML600-1	FN121510-01	0.3047	0.304
3/12/2013	COB	HS2	ML600-1	FN121510-01	0.3038	
3/12/2013	COB	HS2	ML600-1	FN121510-01	0.3016	0.302
3/12/2013	COB	HS2	ML600-1	FN121510-01	0.3054	
3/12/2013	COB	HS2	ML600-1	FN121510-01	0.3045	0.304
3/26/2013	CRF	HS1	ML600-1	FN121510-01	0.3015	
3/26/2013	CRF	HS1	ML600-1	FN121510-01	0.3016	0.301
3/26/2013	CRF	HS1	ML600-1	FN121510-01	0.3014	
3/26/2013	CRF	HS1	ML600-1	FN121510-01	0.3014	0.301
4/2/2013	bmb	HS2	Wilma	FN121510-01	0.3038	
4/2/2013	bmb	HS2	Wilma	FN121510-01	0.3037	0.303
4/2/2013	bmb	HS2	Wilma	FN121510-01	0.3067	
4/2/2013	bmb	HS2	Wilma	FN121510-01	0.3062	0.306
4/15/2013	CRF	HS2	Wilma	FN121510-01	0.3022	
4/15/2013	CRF	HS2	Wilma	FN121510-01	0.3045	0.303
4/15/2013	CRF	HS2	Wilma	FN121510-01	0.3058	
4/15/2013	CRF	HS2	Wilma	FN121510-01	0.3086	0.307
4/25/2013	COB	HS1	Wilma	FN121510-01	0.3026	
4/25/2013	COB	HS1	Wilma	FN121510-01	0.3039	0.303
4/25/2013	COB	HS1	Wilma	FN121510-01	0.3105	
4/25/2013	COB	HS1	Wilma	FN121510-01	0.3068	0.308
4/30/2013	bmb	HS2	Wilma	FN121510-01	0.3038	
4/30/2013	bmb	HS2	Wilma	FN121510-01	0.3039	0.303
4/30/2013	bmb	HS2	Wilma	FN121510-01	0.3075	
4/30/2013	bmb	HS2	Wilma	FN121510-01	0.3066	0.307
5/7/2013	COB	HS1	Wilma	FN121510-01	0.3019	
5/7/2013	COB	HS1	Wilma	FN121510-01	0.3026	0.302
5/7/2013	COB	HS1	Wilma	FN121510-01	0.3017	
5/7/2013	COB	HS1	Wilma	FN121510-01	0.3024	0.302
5/14/2013	CRF	HS2	Wilma	FN121510-01	0.3011	
5/14/2013	CRF	HS2	Wilma	FN121510-01	0.3021	0.301
5/14/2013	CRF	HS2	Wilma	FN121510-01	0.3063	
5/14/2013	CRF	HS2	Wilma	FN121510-01	0.3053	0.305
5/31/2013	bmb	HS2	Wilma	FN121510-01	0.3035	
5/31/2013	bmb	HS2	Wilma	FN121510-01	0.3035	0.303
5/31/2013	bmb	HS2	Wilma	FN121510-01	0.3068	
5/31/2013	bmb	HS2	Wilma	FN121510-01	0.3059	0.306
6/7/2013	CRF	HS1	Wilma	FN121510-01	0.3035	
6/7/2013	CRF	HS1	Wilma	FN121510-01	0.3048	0.304
6/7/2013	CRF	HS1	Wilma	FN121510-01	0.3076	
6/7/2013	CRF	HS1	Wilma	FN121510-01	0.3086	0.308
6/19/2013	bmb	HS2	Wilma	FN121510-01	0.2993	
6/19/2013	bmb	HS2	Wilma	FN121510-01	0.2988	0.299
6/19/2013	bmb	HS2	Wilma	FN121510-01	0.3018	
6/19/2013	bmb	HS2	Wilma	FN121510-01	0.3036	0.302
6/27/2013	CRF	HS1	Wilma	FN121510-01	0.3039	
6/27/2013	CRF	HS1	Wilma	FN121510-01	0.3040	0.303
6/27/2013	CRF	HS1	Wilma	FN121510-01	0.3076	
6/27/2013	CRF	HS1	Wilma	FN121510-01	0.3075	0.307
6/29/2013	bmb	HS2	Wilma	FN121510-01	0.2996	
6/29/2013	bmb	HS2	Wilma	FN121510-01	0.3005	0.300
6/29/2013	bmb	HS2	Wilma	FN121510-01	0.3020	

6/29/2013	bmb	HS2	Wilma	FN121510-01	0.2997	0.300
7/3/2013	bmb	HS1	Wilma	FN121510-01	0.3058	
7/3/2013	bmb	HS1	Wilma	FN121510-01	0.3055	0.305
7/3/2013	bmb	HS1	Wilma	FN121510-01	0.3114	
7/3/2013	bmb	HS1	Wilma	FN121510-01	0.3097	0.310
7/12/2013	CRF	HS2	Wilma	FN121510-01	0.2998	
7/12/2013	CRF	HS2	Wilma	FN121510-01	0.3012	0.300
7/12/2013	CRF	HS2	Wilma	FN121510-01	0.3050	
7/12/2013	CRF	HS2	Wilma	FN121510-01	0.3054	0.305
7/12/2013	bmb	HS1	Wilma	FN121510-01	0.3044	
7/12/2013	bmb	HS1	Wilma	FN121510-01	0.3065	0.305
7/12/2013	bmb	HS1	Wilma	FN121510-01	0.3069	
7/12/2013	bmb	HS1	Wilma	FN121510-01	0.3103	0.308
7/25/2013	COB	HS2	Wilma	FN121510-01	0.3049	
7/25/2013	COB	HS2	Wilma	FN121510-01	0.3075	0.306
7/25/2013	COB	HS2	Wilma	FN121510-01	0.3087	
7/25/2013	COB	HS2	Wilma	FN121510-01	0.3091	0.308
8/14/2013	CRF	HS1	Wilma	FN121510-01	0.3019	
8/14/2013	CRF	HS1	Wilma	FN121510-01	0.3020	0.301
8/14/2013	CRF	HS1	Wilma	FN121510-01	0.3058	
8/14/2013	CRF	HS1	Wilma	FN121510-01	0.3057	0.305
8/19/2013	bmb	HS1	Wilma	FN121510-01	0.3021	
8/19/2013	bmb	HS1	Wilma	FN121510-01	0.3040	0.303
8/19/2013	bmb	HS1	Wilma	FN121510-01	0.3058	
8/19/2013	bmb	HS1	Wilma	FN121510-01	0.3061	0.305
8/20/2013	COB	HS2	Wilma	FN121510-01	0.3025	
8/20/2013	COB	HS2	Wilma	FN121510-01	0.3055	0.304
8/20/2013	COB	HS2	Wilma	FN121510-01	0.3112	
8/20/2013	COB	HS2	Wilma	FN121510-01	0.3103	0.310
8/30/2013	COB	HS2	Wilma	FN121510-01	0.3025	
8/30/2013	COB	HS2	Wilma	FN121510-01	0.3045	0.303
8/30/2013	COB	HS2	Wilma	FN121510-01	0.3110	
8/30/2013	COB	HS2	Wilma	FN121510-01	0.3112	0.311
9/20/2013	bmb	HS2	Wilma	FN121510-01	0.3025	
9/20/2013	bmb	HS2	Wilma	FN121510-01	0.3022	0.302
9/20/2013	bmb	HS2	Wilma	FN121510-01	0.3075	
9/20/2013	bmb	HS2	Wilma	FN121510-01	0.3080	0.307
9/23/2013	CRF	HS1	Wilma	FN121510-01	0.3027	
9/23/2013	CRF	HS1	Wilma	FN121510-01	0.3023	0.302
9/23/2013	CRF	HS1	Wilma	FN121510-01	0.3044	
9/23/2013	CRF	HS1	Wilma	FN121510-01	0.3048	0.304
9/26/2013	COB	HS1	Wilma	FN121510-01	0.3021	
9/26/2013	COB	HS1	Wilma	FN121510-01	0.3042	0.303
9/26/2013	COB	HS1	Wilma	FN121510-01	0.3081	
9/26/2013	COB	HS1	Wilma	FN121510-01	0.3055	0.306
10/11/2013	CRF	HS2	Wilma	FN121510-01	0.3006	
10/11/2013	CRF	HS2	Wilma	FN121510-01	0.3035	0.302
10/11/2013	CRF	HS2	Wilma	FN121510-01	0.3050	
10/11/2013	CRF	HS2	Wilma	FN121510-01	0.3056	0.305
10/22/2013	CRF	HS1	Wilma	FN121510-01	0.3009	
10/22/2013	CRF	HS1	Wilma	FN121510-01	0.3012	0.301
10/22/2013	CRF	HS1	Wilma	FN121510-01	0.3029	
10/22/2013	CRF	HS1	Wilma	FN121510-01	0.3023	0.302
10/30/2013	bmb	HS1	Wilma	FN121510-01	0.3025	
10/30/2013	bmb	HS1	Wilma	FN121510-01	0.3026	0.302
10/30/2013	bmb	HS1	Wilma	FN121510-01	0.3068	
10/30/2013	bmb	HS1	Wilma	FN121510-01	0.3032	0.305
11/4/2013	COB	HS1	Wilma	FN121510-01	0.3032	
11/4/2013	COB	HS1	Wilma	FN121510-01	0.3044	0.303
11/4/2013	COB	HS1	Wilma	FN121510-01	0.3061	
11/4/2013	COB	HS1	Wilma	FN121510-01	0.3059	0.306
11/12/2013	CRF	HS1	Wilma	FN121510-01	0.3019	
11/12/2013	CRF	HS1	Wilma	FN121510-01	0.3023	0.302
11/12/2013	CRF	HS1	Wilma	FN121510-01	0.3061	
11/12/2013	CRF	HS1	Wilma	FN121510-01	0.3059	0.306
11/19/2013	CRF	HS1	Wilma	FN121510-01	0.3009	
11/19/2013	CRF	HS1	Wilma	FN121510-01	0.3031	0.302
11/19/2013	CRF	HS1	Wilma	FN121510-01	0.3015	
11/19/2013	CRF	HS1	Wilma	FN121510-01	0.3045	0.303
11/13/2013	bmb	HS2	Wilma	FN121510-01	0.3100	
11/13/2013	bmb	HS2	Wilma	FN121510-01	0.3118	0.310

11/13/2013	bmb	HS2	Wilma	FN121510-01	0.3159	
11/13/2013	bmb	HS2	Wilma	FN121510-01	0.3188	0.317
11/15/2013	bmb	HS1	Wilma	FN121510-01	0.3025	
11/15/2013	bmb	HS1	Wilma	FN121510-01	0.3041	0.303
11/15/2013	bmb	HS1	Wilma	FN121510-01	0.3075	
11/15/2013	bmb	HS1	Wilma	FN121510-01	0.3088	0.308
12/3/2013	COB	HS1	ML600-1	FN121510-01	0.3005	
12/3/2013	COB	HS1	ML600-1	FN121510-01	0.3020	0.301
12/3/2013	COB	HS1	ML600-1	FN121510-01	0.3055	
12/3/2013	COB	HS1	ML600-1	FN121510-01	0.3062	0.305
12/17/2013	COB	HS1	ML600-1	FN121510-01	0.3031	
12/17/2013	COB	HS1	ML600-1	FN121510-01	0.3051	0.304
12/17/2013	COB	HS1	ML600-1	FN121510-01	0.3072	
12/17/2013	COB	HS1	ML600-1	FN121510-01	0.3091	0.308
1/2/2014	CRF	HS2	ML600-1	FN121510-01	0.3024	
1/2/2014	CRF	HS2	ML600-1	FN121510-01	0.3045	0.303
1/2/2014	CRF	HS2	ML600-1	FN121510-01	0.3033	
1/2/2014	CRF	HS2	ML600-1	FN121510-01	0.3027	0.303
1/8/2014	bmb	HS2	ML600-1	FN121510-01	0.2997	
1/8/2014	bmb	HS2	ML600-1	FN121510-01	0.2999	0.299
1/8/2014	bmb	HS2	ML600-1	FN121510-01	0.3022	
1/8/2014	bmb	HS2	ML600-1	FN121510-01	0.3044	0.303
1/13/2014	COB	HS1	ML600-1	FN121510-01	0.3026	
1/13/2014	COB	HS1	ML600-1	FN121510-01	0.3022	0.302
1/13/2014	COB	HS1	ML600-1	FN121510-01	0.3067	
1/13/2014	COB	HS1	ML600-1	FN121510-01	0.3067	0.306
1/23/2014	COB	HS1	ML600-1	FN121510-01	0.3011	
1/23/2014	COB	HS1	ML600-1	FN121510-01	0.3031	0.302
1/23/2014	COB	HS1	ML600-1	FN121510-01	0.3049	
1/23/2014	COB	HS1	ML600-1	FN121510-01	0.3032	0.304
1/23/2014	COB	HS2	ML600-1	FN121510-01	0.3003	
1/23/2014	COB	HS2	ML600-1	FN121510-01	0.3000	0.300
1/23/2014	COB	HS2	ML600-1	FN121510-01	0.3048	
1/23/2014	COB	HS2	ML600-1	FN121510-01	0.3062	0.305
2/3/2014	COB	HS1	ML600-1	FN121510-01	0.3003	
2/3/2014	COB	HS1	ML600-1	FN121510-01	0.3021	0.301
2/3/2014	COB	HS1	ML600-1	FN121510-01	0.3049	
2/3/2014	COB	HS1	ML600-1	FN121510-01	0.3024	0.303
2/14/2014	BMB	HS1	ML600-1	FN121510-01	0.3014	
2/14/2014	BMB	HS1	ML600-1	FN121510-01	0.3047	0.303
2/14/2014	BMB	HS1	ML600-1	FN121510-01	0.3028	
2/14/2014	BMB	HS1	ML600-1	FN121510-01	0.3024	0.302
2/24/2014	COB	HS1	ML600-1	FN121510-01	0.3023	
2/24/2014	COB	HS1	ML600-1	FN121510-01	0.3049	0.303
2/24/2014	COB	HS1	ML600-1	FN121510-01	0.3036	
2/24/2014	COB	HS1	ML600-1	FN121510-01	0.3073	0.305
3/3/2014	COB	HS1	ML600-1	FN121510-01	0.3000	
3/3/2014	COB	HS1	ML600-1	FN121510-01	0.2999	0.299
3/3/2014	COB	HS1	ML600-1	FN121510-01	0.3003	
3/3/2014	COB	HS1	ML600-1	FN121510-01	0.3023	0.301
3/11/2014	CRF	HS1	ML600-1	FN121510-01	0.3018	
3/11/2014	CRF	HS1	ML600-1	FN121510-01	0.3015	0.301
3/11/2014	CRF	HS1	ML600-1	FN121510-01	0.3020	
3/11/2014	CRF	HS1	ML600-1	FN121510-01	0.3037	0.302
3/11/2014	BMB	HS2	ML600-1	FN121510-01	0.2966	
3/11/2014	BMB	HS2	ML600-1	FN121510-01	0.2968	0.296
3/11/2014	BMB	HS2	ML600-1	FN121510-01	0.2964	
3/11/2014	BMB	HS2	ML600-1	FN121510-01	0.2995	0.297
4/2/2014	CRF	HS1	ML600-1	FN121510-01	0.3008	
4/2/2014	CRF	HS1	ML600-1	FN121510-01	0.3029	0.301
4/2/2014	CRF	HS1	ML600-1	FN121510-01	0.3025	
4/2/2014	CRF	HS1	ML600-1	FN121510-01	0.3018	0.302
4/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3017	
4/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3029	0.302
4/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3024	
4/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3047	0.303
4/22/2014	COB	HS2	ML600-1	FN121510-01	0.3015	
4/22/2014	COB	HS2	ML600-1	FN121510-01	0.2987	0.300
4/22/2014	COB	HS2	ML600-1	FN121510-01	0.3026	
4/22/2014	COB	HS2	ML600-1	FN121510-01	0.3026	0.302
4/24/2014	COB	HS2	ML600-1	FN121510-01	0.3017	

4/24/2014	COB	HS2	ML600-1	FN121510-01	0.3004	0.301
4/24/2014	COB	HS2	ML600-1	FN121510-01	0.3058	
4/24/2014	COB	HS2	ML600-1	FN121510-01	0.3063	0.306
4/30/2014	COB	HS1	ML600-1	FN121510-01	0.3014	
4/30/2014	COB	HS1	ML600-1	FN121510-01	0.3033	0.302
4/30/2014	COB	HS1	ML600-1	FN121510-01	0.3039	
4/30/2014	COB	HS1	ML600-1	FN121510-01	0.3063	0.305
4/30/2014	CRF	HS2	ML600-1	FN121510-01	0.3005	
4/30/2014	CRF	HS2	ML600-1	FN121510-01	0.3005	0.300
4/30/2014	CRF	HS2	ML600-1	FN121510-01	0.3034	
4/30/2014	CRF	HS2	ML600-1	FN121510-01	0.3029	0.303
5/6/2014	bmb	HS1	ML600-1	FN121510-01	0.3015	
5/6/2014	bmb	HS1	ML600-1	FN121510-01	0.3006	0.301
5/6/2014	bmb	HS1	ML600-1	FN121510-01	0.3028	
5/6/2014	bmb	HS1	ML600-1	FN121510-01	0.3017	0.302
5/7/2014	bmb	HS1	ML600-1	FN121510-01	0.3060	
5/7/2014	bmb	HS1	ML600-1	FN121510-01	0.3017	0.303
5/7/2014	bmb	HS1	ML600-1	FN121510-01	0.3090	
5/7/2014	bmb	HS1	ML600-1	FN121510-01	0.3098	0.309
5/12/2014	bmb	HS2	ML600-1	FN121510-01	0.3052	
5/12/2014	bmb	HS2	ML600-1	FN121510-01	0.3067	0.305
5/12/2014	bmb	HS2	ML600-1	FN121510-01	0.3073	
5/12/2014	bmb	HS2	ML600-1	FN121510-01	0.3089	0.308
5/19/2014	COB	HS1	ML600-1	FN121510-01	0.3022	
5/19/2014	COB	HS1	ML600-1	FN121510-01	0.3045	0.303
5/19/2014	COB	HS1	ML600-1	FN121510-01	0.3063	
5/19/2014	COB	HS1	ML600-1	FN121510-01	0.3016	0.303
5/20/2014	COB	HS1	ML600-1	FN121510-01	0.3015	
5/20/2014	COB	HS1	ML600-1	FN121510-01	0.3015	0.301
5/20/2014	COB	HS1	ML600-1	FN121510-01	0.3013	
5/20/2014	COB	HS1	ML600-1	FN121510-01	0.3030	0.302
5/21/2014	COB	HS1	ML600-1	FN121510-01	0.2977	
5/21/2014	COB	HS1	ML600-1	FN121510-01	0.2975	0.297
5/21/2014	COB	HS1	ML600-1	FN121510-01	0.3009	
5/21/2014	COB	HS1	ML600-1	FN121510-01	0.2976	0.299
5/21/2014	COB	HS2	ML600-1	FN121510-01	0.2978	
5/21/2014	COB	HS2	ML600-1	FN121510-01	0.2975	0.297
5/21/2014	COB	HS2	ML600-1	FN121510-01	0.2991	
5/21/2014	COB	HS2	ML600-1	FN121510-01	0.2999	0.299
5/27/2014	bmb	hs2	ML600-1	FN121510-01	0.3031	
5/27/2014	bmb	hs2	ML600-1	FN121510-01	0.3025	0.302
5/27/2014	bmb	hs2	ML600-1	FN121510-01	0.3042	
5/27/2014	bmb	hs2	ML600-1	FN121510-01	0.3035	0.303
6/3/2014	COB	HS1	ML600-1	FN121510-01	0.2990	
6/3/2014	COB	HS1	ML600-1	FN121510-01	0.3001	0.299
6/3/2014	COB	HS1	ML600-1	FN121510-01	0.3033	
6/3/2014	COB	HS1	ML600-1	FN121510-01	0.2985	0.300
6/3/2014	BMB	HS2	ML600-1	FN121510-01	0.3001	
6/3/2014	BMB	HS2	ML600-1	FN121510-01	0.3003	0.300
6/3/2014	BMB	HS2	ML600-1	FN121510-01	0.3004	
6/3/2014	BMB	HS2	ML600-1	FN121510-01	0.3041	0.302
6/4/2014	bmb	HS1	ML600-1	FN121510-01	0.3003	
6/4/2014	bmb	HS1	ML600-1	FN121510-01	0.3019	0.301
6/4/2014	bmb	HS1	ML600-1	FN121510-01	0.2988	
6/4/2014	bmb	HS1	ML600-1	FN121510-01	0.2989	0.298
6/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3091	
6/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3090	0.309
6/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3095	
6/10/2014	CRF	HS1	ML600-1	FN121510-01	0.3081	0.308
6/17/2014	COB	HS1	ML600-1	FN121510-01	0.2981	
6/17/2014	COB	HS1	ML600-1	FN121510-01	0.2971	0.297
6/17/2014	COB	HS1	ML600-1	FN121510-01	0.2965	
6/17/2014	COB	HS1	ML600-1	FN121510-01	0.2991	0.297
6/24/2014	CRF	HS1	ML600-1	FN121510-01	0.3004	
6/24/2014	CRF	HS1	ML600-1	FN121510-01	0.2995	0.299
6/24/2014	CRF	HS1	ML600-1	FN121510-01	0.3019	
6/24/2014	CRF	HS1	ML600-1	FN121510-01	0.3025	0.302
7/2/2014	CRF	HS1	ML600-1	FN121510-01	0.2999	
7/2/2014	CRF	HS1	ML600-1	FN121510-01	0.3008	0.300
7/2/2014	CRF	HS1	ML600-1	FN121510-01	0.3031	
7/2/2014	CRF	HS1	ML600-1	FN121510-01	0.3007	0.301

7/11/2014	bmb	HS1	ML600-1	FN121510-01	0.3002	
7/11/2014	bmb	HS1	ML600-1	FN121510-01	0.3006	0.300
7/11/2014	bmb	HS1	ML600-1	FN121510-01	0.3052	
7/11/2014	bmb	HS1	ML600-1	FN121510-01	0.3014	0.303
5/21/2014	COB	HS1	ML600-1	FN09061305	0.3021	
5/21/2014	COB	HS1	ML600-1	FN09061305	0.3002	0.301
7/14/2014	COB	HS1	ML600-1	FN09061305	0.3023	
7/14/2014	COB	HS1	ML600-1	FN09061305	0.3022	0.302
7/14/2014	COB	HS1	ML600-1	FN09061305	0.3033	
7/14/2014	COB	HS1	ML600-1	FN09061305	0.3035	0.303
7/22/2014	COB	HS1	ML600-1	FN09061305	0.3017	
7/22/2014	COB	HS1	ML600-1	FN09061305	0.3035	0.302
7/22/2014	COB	HS1	ML600-1	FN09061305	0.3030	
7/22/2014	COB	HS1	ML600-1	FN09061305	0.3023	0.302
7/29/2014	COB	HS1	ML600-1	FN09061305	0.3017	
7/29/2014	COB	HS1	ML600-1	FN09061305	0.3014	0.301
7/29/2014	COB	HS1	ML600-1	FN09061305	0.3077	
7/29/2014	COB	HS1	ML600-1	FN09061305	0.3080	0.307
8/4/2014	COB	HS1	ML600-1	FN09061305	0.3022	
8/4/2014	COB	HS1	ML600-1	FN09061305	0.3025	0.302
8/4/2014	COB	HS1	ML600-1	FN09061305	0.3055	
8/4/2014	COB	HS1	ML600-1	FN09061305	0.3022	0.303
8/5/2014	COB	HS1	ML600-1	FN09061305	0.3041	
8/5/2014	COB	HS1	ML600-1	FN09061305	0.3038	0.303
8/5/2014	COB	HS1	ML600-1	FN09061305	0.3069	
8/5/2014	COB	HS1	ML600-1	FN09061305	0.3078	0.307
8/11/2014	COB	HS1	ML600-1	FN09061305	0.3006	
8/11/2014	COB	HS1	ML600-1	FN09061305	0.3023	0.301
8/12/2014	COB	HS1	ML600-1	FN09061305	0.3022	
8/12/2014	COB	HS1	ML600-1	FN09061305	0.3025	0.302
8/12/2014	COB	HS1	ML600-1	FN09061305	0.3091	
8/12/2014	COB	HS1	ML600-1	FN09061305	0.3048	0.306
8/25/2014	COB	HS1	ML600-1	FN09061305	0.3026	
8/25/2014	COB	HS1	ML600-1	FN09061305	0.3041	0.303
8/25/2014	COB	HS1	ML600-1	FN09061305	0.3046	
8/25/2014	COB	HS1	ML600-1	FN09061305	0.3066	0.305
8/29/2014	COB	HS1	ML600-1	FN09061305	0.3026	
8/29/2014	COB	HS1	ML600-1	FN09061305	0.3043	0.303
8/29/2014	COB	HS1	ML600-1	FN09061305	0.3058	
8/29/2014	COB	HS1	ML600-1	FN09061305	0.3062	0.306
9/9/2014	COB	HS1	ML600-1	FN09061305	0.3022	
9/9/2014	COB	HS1	ML600-1	FN09061305	0.3020	0.302
9/9/2014	COB	HS1	ML600-1	FN09061305	0.3032	
9/9/2014	COB	HS1	ML600-1	FN09061305	0.3027	0.302
9/15/2014	bmb	HS1	ML600-1	FN09061305	0.2999	
9/15/2014	bmb	HS1	ML600-1	FN09061305	0.3013	0.300
9/15/2014	bmb	HS1	ML600-1	FN09061305	0.3044	
9/15/2014	bmb	HS1	ML600-1	FN09061305	0.3050	0.304
9/23/2014	COB	HS1	ML600-1	FN09061305	0.3029	
9/23/2014	COB	HS1	ML600-1	FN09061305	0.3045	0.303
9/23/2014	COB	HS1	ML600-1	FN09061305	0.3024	
9/23/2014	COB	HS1	ML600-1	FN09061305	0.3033	0.302
9/29/2014	COB	HS1	ML600-1	FN09061305	0.3029	
9/29/2014	COB	HS1	ML600-1	FN09061305	0.3024	0.302
9/29/2014	COB	HS1	ML600-1	FN09061305	0.3069	
9/29/2014	COB	HS1	ML600-1	FN09061305	0.3103	0.308
10/7/2014	bmb	HS1	ML600-1	FN09061305	0.3024	
10/7/2014	bmb	HS1	ML600-1	FN09061305	0.3038	0.303
10/7/2014	bmb	HS1	ML600-1	FN09061305	0.3029	
10/7/2014	bmb	HS1	ML600-1	FN09061305	0.3037	0.303
10/13/2014	CRF	HS2	ML600-1	FN09061305	0.2991	
10/13/2014	CRF	HS2	ML600-1	FN09061305	0.3003	0.299
10/13/2014	CRF	HS2	ML600-1	FN09061305	0.3023	
10/13/2014	CRF	HS2	ML600-1	FN09061305	0.3016	0.301
10/20/2014	COB	HS1	ML600-1	FN09061305	0.3023	
10/20/2014	COB	HS1	ML600-1	FN09061305	0.3007	0.301
10/20/2014	COB	HS1	ML600-1	FN09061305	0.3054	
10/20/2014	COB	HS1	ML600-1	FN09061305	0.3049	0.305
10/27/2014	COB	HS2	ML600-1	FN09061305	0.3040	
10/27/2014	COB	HS2	ML600-1	FN09061305	0.3040	0.304
10/27/2014	COB	HS2	ML600-1	FN09061305	0.2980	

10/27/2014	COB	HS2	ML600-1	FN09061305	0.2964	0.297
11/3/2014	CRF	HS2	ML600-1	FN09061305	0.3013	
11/3/2014	CRF	HS2	ML600-1	FN09061305	0.3035	0.302
11/3/2014	CRF	HS2	ML600-1	FN09061305	0.3057	
11/3/2014	CRF	HS2	ML600-1	FN09061305	0.3045	0.305
11/12/2014	bmb	HS1	ML600-1	FN09061305	0.3022	
11/12/2014	bmb	HS1	ML600-1	FN09061305	0.3020	0.302
11/12/2014	bmb	HS1	ML600-1	FN09061305	0.3018	
11/12/2014	bmb	HS1	ML600-1	FN09061305	0.3035	0.302
11/20/2014	COB	HS2	ML600-1	FN09061305	0.3015	
11/20/2014	COB	HS2	ML600-1	FN09061305	0.3034	0.302
11/20/2014	COB	HS2	ML600-1	FN09061305	0.3059	
11/20/2014	COB	HS2	ML600-1	FN09061305	0.3039	0.304
12/2/2014	CRF	HS2	ML600-1	FN09061305	0.3022	
12/2/2014	CRF	HS2	ML600-1	FN09061305	0.3013	0.301
12/2/2014	CRF	HS2	ML600-1	FN09061305	0.3013	
12/2/2014	CRF	HS2	ML600-1	FN09061305	0.3040	0.302
12/8/2014	COB	HS2	ML600-1	FN09061305	0.3020	
12/8/2014	COB	HS2	ML600-1	FN09061305	0.3021	0.302
12/8/2014	COB	HS2	ML600-1	FN09061305	0.3046	
12/8/2014	COB	HS2	ML600-1	FN09061305	0.3046	0.304
12/15/2014	COB	HS2	ML600-1	FN09061305	0.3026	
12/15/2014	COB	HS2	ML600-1	FN09061305	0.3014	0.302
12/15/2014	COB	HS2	ML600-1	FN09061305	0.3067	
12/15/2014	COB	HS2	ML600-1	FN09061305	0.3043	0.305
12/22/2014	CRF	HS2	ML600-1	FN09061305	0.3040	
12/22/2014	CRF	HS2	ML600-1	FN09061305	0.3022	0.303
12/22/2014	CRF	HS2	ML600-1	FN09061305	0.3059	
12/22/2014	CRF	HS2	ML600-1	FN09061305	0.3043	0.305
12/30/2014	bmb	HS1	ML600-1	FN09061305	0.3039	
12/30/2014	bmb	HS1	ML600-1	FN09061305	0.3022	0.303
12/30/2014	bmb	HS1	ML600-1	FN09061305	0.3048	
12/30/2014	bmb	HS1	ML600-1	FN09061305	0.3034	0.304
1/6/2015	bmb	HS2	ML600-1	FN09061305	0.3038	
1/6/2015	bmb	HS2	ML600-1	FN09061305	0.3028	0.303
1/6/2015	bmb	HS2	ML600-1	FN09061305	0.3011	
1/6/2015	bmb	HS2	ML600-1	FN09061305	0.3011	0.301
1/13/2015	CRF	HS2	ML600-1	FN09061305	0.3040	
1/13/2015	CRF	HS2	ML600-1	FN09061305	0.3032	0.303
1/13/2015	CRF	HS2	ML600-1	FN09061305	0.3057	
1/13/2015	CRF	HS2	ML600-1	FN09061305	0.3046	0.305
1/20/2015	COB	HS1	ML600-1	FN09061305	0.3034	
1/20/2015	COB	HS1	ML600-1	FN09061305	0.3052	0.304
1/20/2015	COB	HS1	ML600-1	FN09061305	0.3114	
1/20/2015	COB	HS1	ML600-1	FN09061305	0.3097	0.310
1/27/2015	bmb	HS2	ML600-1	FN09061305	0.3016	
1/27/2015	bmb	HS2	ML600-1	FN09061305	0.3028	0.302
1/27/2015	bmb	HS2	ML600-1	FN09061305	0.3050	
1/27/2015	bmb	HS2	ML600-1	FN09061305	0.3046	0.304
2/6/2015	bmb	HS1	ML600-1	FN09061305	0.3002	
2/6/2015	bmb	HS1	ML600-1	FN09061305	0.3005	0.300
2/6/2015	bmb	HS1	ML600-1	FN09061305	0.3024	
2/6/2015	bmb	HS1	ML600-1	FN09061305	0.3012	0.301
2/6/2015	CRF	HS2	ML600-1	FN09061305	0.3012	
2/6/2015	CRF	HS2	ML600-1	FN09061305	0.3018	0.301
2/6/2015	CRF	HS2	ML600-1	FN09061305	0.3056	
2/6/2015	CRF	HS2	ML600-1	FN09061305	0.3027	0.304
2/17/2015	COB	HS2	ML600-1	FN09061305	0.3026	
2/17/2015	COB	HS2	ML600-1	FN09061305	0.3021	0.302
2/17/2015	COB	HS2	ML600-1	FN09061305	0.3051	
2/17/2015	COB	HS2	ML600-1	FN09061305	0.3068	0.305
2/23/2015	COB	HS2	ML600-1	FN09061305	0.3004	
2/23/2015	COB	HS2	ML600-1	FN09061305	0.3014	0.300
2/23/2015	COB	HS2	ML600-1	FN09061305	0.3042	
2/23/2015	COB	HS2	ML600-1	FN09061305	0.3056	0.304
3/9/2015	CRF	HS2	ML600-1	FN09061305	0.3016	
3/9/2015	CRF	HS2	ML600-1	FN09061305	0.3029	0.302
3/9/2015	CRF	HS2	ML600-1	FN09061305	0.3055	
3/9/2015	CRF	HS2	ML600-1	FN09061305	0.3058	0.305
3/17/2015	COB	HS1	ML600-1	FN09061305	0.3032	
3/17/2015	COB	HS1	ML600-1	FN09061305	0.3034	0.303

3/17/2015	COB	HS1	ML600-1	FN09061305	0.3074	
3/17/2015	COB	HS1	ML600-1	FN09061305	0.3062	0.306
3/18/2015	COB	HS1	ML600-1	FN09061305	0.3042	
3/18/2015	COB	HS1	ML600-1	FN09061305	0.3031	0.303
3/18/2015	COB	HS1	ML600-1	FN09061305	0.3046	
3/18/2015	COB	HS1	ML600-1	FN09061305	0.3055	0.305
3/24/2015	bmb	HS1	ML600-1	FN09061305	0.3020	
3/24/2015	bmb	HS1	ML600-1	FN09061305	0.3037	0.302
3/24/2015	bmb	HS1	ML600-1	FN09061305	0.3051	
3/24/2015	bmb	HS1	ML600-1	FN09061305	0.3038	0.304
3/31/2015	COB	HS1	ML600-1	FN09061305	0.3024	
3/31/2015	COB	HS1	ML600-1	FN09061305	0.3035	0.302
3/31/2015	COB	HS1	ML600-1	FN09061305	0.3068	
3/31/2015	COB	HS1	ML600-1	FN09061305	0.3048	0.305
4/6/2015	CRF	HS2	ML600-1	FN09061305	0.3015	
4/6/2015	CRF	HS2	ML600-1	FN09061305	0.3024	0.301
4/6/2015	CRF	HS2	ML600-1	FN09061305	0.3044	
4/6/2015	CRF	HS2	ML600-1	FN09061305	0.3036	0.304
4/13/2015	COB	HS1	ML600-1	FN09061305	0.3024	
4/13/2015	COB	HS1	ML600-1	FN09061305	0.3026	0.302
4/13/2015	COB	HS1	ML600-1	FN09061305	0.3079	
4/13/2015	COB	HS1	ML600-1	FN09061305	0.3054	0.306
4/20/2015	BMB	HS1	ML600-1	FN09061305	0.3020	
4/20/2015	BMB	HS1	ML600-1	FN09061305	0.3020	0.302
4/20/2015	BMB	HS1	ML600-1	FN09061305	0.3037	
4/20/2015	BMB	HS1	ML600-1	FN09061305	0.3046	0.304
4/27/2015	BMB	HS1	ML600-1	FN09061305	0.3045	
4/27/2015	BMB	HS1	ML600-1	FN09061305	0.3030	0.303
4/27/2015	BMB	HS1	ML600-1	FN09061305	0.3048	
4/27/2015	BMB	HS1	ML600-1	FN09061305	0.3025	0.303
4/28/2015	COB	HS2	ML600-1	FN09061305	0.3002	
4/28/2015	COB	HS2	ML600-1	FN09061305	0.3005	0.300
4/28/2015	COB	HS2	ML600-1	FN09061305	0.3019	
4/28/2015	COB	HS2	ML600-1	FN09061305	0.3025	0.302
5/12/2015	COB	HS2	ML600-1	FN09061305	0.2997	
5/12/2015	COB	HS2	ML600-1	FN09061305	0.3007	0.300
5/12/2015	COB	HS2	ML600-1	FN09061305	0.3025	
5/12/2015	COB	HS2	ML600-1	FN09061305	0.3020	0.302
5/13/2015	BMB	HS1	ML600-1	FN09061305	0.3000	
5/13/2015	BMB	HS1	ML600-1	FN09061305	0.3027	0.301
5/13/2015	BMB	HS1	ML600-1	FN09061305	0.3043	
5/13/2015	BMB	HS1	ML600-1	FN09061305	0.2997	0.302
5/18/2015	COB	HS2	ML600-1	FN09061305	0.3009	
5/18/2015	COB	HS2	ML600-1	FN09061305	0.3038	0.302
5/18/2015	COB	HS2	ML600-1	FN09061305	0.3047	
5/18/2015	COB	HS2	ML600-1	FN09061305	0.3044	0.304
5/18/2015	bmb	HS1	ML600-1	FN09061305	0.3012	
5/18/2015	bmb	HS1	ML600-1	FN09061305	0.3019	0.301
5/18/2015	bmb	HS1	ML600-1	FN09061305	0.3047	
5/18/2015	bmb	HS1	ML600-1	FN09061305	0.3018	0.303
5/26/2015	COB	HS2	ML600-1	FN09061305	0.3022	
5/26/2015	COB	HS2	ML600-1	FN09061305	0.3006	0.301
5/26/2015	COB	HS2	ML600-1	FN09061305	0.3044	
5/26/2015	COB	HS2	ML600-1	FN09061305	0.3024	0.303
6/1/2015	COB	HS2	ML600-1	FN09061305	0.3008	
6/1/2015	COB	HS2	ML600-1	FN09061305	0.3017	0.301
6/1/2015	COB	HS2	ML600-1	FN09061305	0.3009	
6/1/2015	COB	HS2	ML600-1	FN09061305	0.3032	0.302
6/8/2015	CRF	HS2	ML600-1	FN09061305	0.3025	
6/8/2015	CRF	HS2	ML600-1	FN09061305	0.3048	0.303
6/8/2015	CRF	HS2	ML600-1	FN09061305	0.3026	
6/8/2015	CRF	HS2	ML600-1	FN09061305	0.3046	0.303
6/15/2015	bmb	HS2	ML600-1	FN09061305	0.3038	
6/15/2015	bmb	HS2	ML600-1	FN09061305	0.3038	0.303
6/15/2015	bmb	HS2	ML600-1	FN09061305	0.3034	
6/15/2015	bmb	HS2	ML600-1	FN09061305	0.3046	0.304
6/22/2015	COB	HS2	ML600-1	FN09061305	0.3006	
6/22/2015	COB	HS2	ML600-1	FN09061305	0.3020	0.301
6/22/2015	COB	HS2	ML600-1	FN09061305	0.3065	
6/22/2015	COB	HS2	ML600-1	FN09061305	0.3044	0.305
6/29/2015	CRF	HS2	ML600-1	FN09061305	0.3019	

6/29/2015	CRF	HS2	ML600-1	FN09061305	0.2994	0.300
6/29/2015	CRF	HS2	ML600-1	FN09061305	0.3038	
6/29/2015	CRF	HS2	ML600-1	FN09061305	0.3043	0.304
6/29/2015	BMB	HS1	ML600-1	FN09061305	0.2999	
6/29/2015	BMB	HS1	ML600-1	FN09061305	0.3010	0.300
6/29/2015	BMB	HS1	ML600-1	FN09061305	0.3024	
6/29/2015	BMB	HS1	ML600-1	FN09061305	0.3031	0.302
7/6/2015	BMB	HS2	ML600-1	FN09061305	0.3032	
7/6/2015	BMB	HS2	ML600-1	FN09061305	0.3043	0.303
7/6/2015	BMB	HS2	ML600-1	FN09061305	0.3033	
7/6/2015	BMB	HS2	ML600-1	FN09061305	0.3023	0.302
7/13/2015	COB	HS1	ML600-1	FN09061305	0.2992	
7/13/2015	COB	HS1	ML600-1	FN09061305	0.2982	0.298
7/13/2015	COB	HS1	ML600-1	FN09061305	0.3001	
7/13/2015	COB	HS1	ML600-1	FN09061305	0.2980	0.299
7/20/2015	CRF	HS2	ML600-1	FN09061305	0.3040	
7/20/2015	CRF	HS2	ML600-1	FN09061305	0.3041	0.304
7/20/2015	CRF	HS2	ML600-1	FN09061305	0.3044	
7/20/2015	CRF	HS2	ML600-1	FN09061305	0.3022	0.303
7/27/2015	COB	HS1	ML600-1	FN09061305	0.3016	
7/27/2015	COB	HS1	ML600-1	FN09061305	0.3021	0.301
7/27/2015	COB	HS1	ML600-1	FN09061305	0.3060	
7/27/2015	COB	HS1	ML600-1	FN09061305	0.3044	0.305
7/27/2015	BMB	HS2	ML600-1	FN09061305	0.3003	
7/27/2015	BMB	HS2	ML600-1	FN09061305	0.3012	0.300
7/27/2015	BMB	HS2	ML600-1	FN09061305	0.3014	
7/27/2015	BMB	HS2	ML600-1	FN09061305	0.3020	0.301
8/3/2015	CRF	HS2	ML600-1	FN09061305	0.3018	
8/3/2015	CRF	HS2	ML600-1	FN09061305	0.3022	0.302
8/3/2015	CRF	HS2	ML600-1	FN09061305	0.3040	
8/3/2015	CRF	HS2	ML600-1	FN09061305	0.3024	0.303
8/11/2015	CRF	HS2	ML600-1	FN09061305	0.3032	
8/11/2015	CRF	HS2	ML600-1	FN09061305	0.3040	0.303
8/11/2015	CRF	HS2	ML600-1	FN09061305	0.3023	
8/11/2015	CRF	HS2	ML600-1	FN09061305	0.3017	0.302
8/17/2015	COB	HS1	ML600-1	FN09061305	0.3042	
8/17/2015	COB	HS1	ML600-1	FN09061305	0.3005	0.302
8/17/2015	COB	HS1	ML600-1	FN09061305	0.3054	
8/17/2015	COB	HS1	ML600-1	FN09061305	0.3006	0.303
8/17/2015	COB	HS2	ML600-1	FN09061305	0.3004	
8/17/2015	COB	HS2	ML600-1	FN09061305	0.2996	0.300
8/17/2015	COB	HS2	ML600-1	FN09061305	0.3014	
8/17/2015	COB	HS2	ML600-1	FN09061305	0.3015	0.301
7/27/2015	COB	HS1	ML600-1	FN06051501	0.3030	
7/27/2015	COB	HS1	ML600-1	FN06051501	0.3095	0.306
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3026	
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3030	0.302
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3070	
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3029	0.304
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3026	
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3030	0.302
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3070	
8/18/2015	COB	HS1	ML600-1	FN06051501	0.3029	0.304
8/24/2015	bmb	HS2	ML600-1	FN06051501	0.3031	
8/24/2015	bmb	HS2	ML600-1	FN06051501	0.3030	0.303
8/24/2015	bmb	HS2	ML600-1	FN06051501	0.3039	
8/24/2015	bmb	HS2	ML600-1	FN06051501	0.3038	0.303
8/31/2015	bmb	HS1	ML600-1	FN06051501	0.3016	
8/31/2015	bmb	HS1	ML600-1	FN06051501	0.3041	0.302
8/31/2015	bmb	HS1	ML600-1	FN06051501	0.3074	
8/31/2015	bmb	HS1	ML600-1	FN06051501	0.3030	0.305
9/9/2015	CRF	HS2	Wilma	FN06051501	0.3014	
9/9/2015	CRF	HS2	Wilma	FN06051501	0.3029	0.302
9/9/2015	CRF	HS2	Wilma	FN06051501	0.3062	
9/9/2015	CRF	HS2	Wilma	FN06051501	0.3033	0.304
9/14/2015	COB	HS1	Wilma	FN06051501	0.3040	
9/14/2015	COB	HS1	Wilma	FN06051501	0.3043	0.304
9/14/2015	COB	HS1	Wilma	FN06051501	0.3050	
9/14/2015	COB	HS1	Wilma	FN06051501	0.3071	0.306
9/22/2015	bmb	HS1	Wilma	FN06051501	0.3025	
9/22/2015	bmb	HS1	Wilma	FN06051501	0.3026	0.302

9/22/2015	bmb	HS1	Wilma	FN06051501	0.3086	
9/22/2015	bmb	HS1	Wilma	FN06051501	0.3083	0.308
9/22/2015	COB	HS2	Wilma	FN09061305	0.3018	
9/22/2015	COB	HS2	Wilma	FN09061305	0.3020	0.301
9/22/2015	COB	HS2	Wilma	FN09061305	0.3021	
9/22/2015	COB	HS2	Wilma	FN09061305	0.3024	0.302
9/28/2015	CRF	HS2	Wilma	FN06051501	0.3019	
9/28/2015	CRF	HS2	Wilma	FN06051501	0.3026	0.302
9/28/2015	CRF	HS2	Wilma	FN06051501	0.3042	
9/28/2015	CRF	HS2	Wilma	FN06051501	0.3056	0.304
10/5/2015	COB	HS2	Wilma	FN06051501	0.2996	
10/5/2015	COB	HS2	Wilma	FN06051501	0.3015	0.300
10/5/2015	COB	HS2	Wilma	FN06051501	0.3050	
10/5/2015	COB	HS2	Wilma	FN06051501	0.3020	0.303
10/13/2015	bmb	HS2	Wilma	FN06051501	0.3025	
10/13/2015	bmb	HS2	Wilma	FN06051501	0.3022	0.302
10/13/2015	bmb	HS2	Wilma	FN06051501	0.3034	
10/13/2015	bmb	HS2	Wilma	FN06051501	0.3043	0.303
10/20/2015	CRF	HS2	Wilma	FN06051501	0.3021	
10/20/2015	CRF	HS2	Wilma	FN06051501	0.3025	0.302
10/20/2015	CRF	HS2	Wilma	FN06051501	0.3066	
10/20/2015	CRF	HS2	Wilma	FN06051501	0.3034	0.305
10/27/2015	COB	HS1	Wilma	FN06051501	0.3016	
10/27/2015	COB	HS1	Wilma	FN06051501	0.3034	0.302
10/27/2015	COB	HS1	Wilma	FN06051501	0.3046	
10/27/2015	COB	HS1	Wilma	FN06051501	0.3072	0.305
11/4/2015	bmb	HS2	Wilma	FN06051501	0.3034	
11/4/2015	bmb	HS2	Wilma	FN06051501	0.3042	0.303
11/4/2015	bmb	HS2	Wilma	FN06051501	0.3054	
11/4/2015	bmb	HS2	Wilma	FN06051501	0.3082	0.306
11/16/2015	COB	HS2	Wilma	FN06051501	0.3032	
11/16/2015	COB	HS2	Wilma	FN06051501	0.3027	0.302
11/16/2015	COB	HS2	Wilma	FN06051501	0.3050	
11/16/2015	COB	HS2	Wilma	FN06051501	0.3069	0.305
11/20/2015	CRF	HS1	Wilma	FN06051501	0.3010	
11/20/2015	CRF	HS1	Wilma	FN06051501	0.3024	0.301
11/20/2015	CRF	HS1	Wilma	FN06051501	0.3047	
11/20/2015	CRF	HS1	Wilma	FN06051501	0.3047	0.304
12/4/2015	bmb	HS2	Wilma	FN06051501	0.3050	
12/4/2015	bmb	HS2	Wilma	FN06051501	0.3037	0.304
12/4/2015	bmb	HS2	Wilma	FN06051501	0.3061	
12/4/2015	bmb	HS2	Wilma	FN06051501	0.3073	0.306
12/14/2015	COB	HS1	Wilma	FN06051501	0.3009	
12/14/2015	COB	HS1	Wilma	FN06051501	0.3024	0.301
12/14/2015	COB	HS1	Wilma	FN06051501	0.3007	
12/14/2015	COB	HS1	Wilma	FN06051501	0.3072	0.303

Blood Matrix QC Reproducibility Data (Lot 8897)

N=	32	Mean=	0.0831	SD=	0.0009	SD*2=	0.0019	%RSD=	1.1	%RSD*2	2.3	%Bias	-3.4
Date	Anaylst	Instrument	Pipetter	Lot	Value (.086)	Reported							
6/28/2012	CRF	HS2	Wilma	8897	0.0838								
6/28/2012	CRF	HS2	Wilma	8897	0.0835	0.083							
6/28/2012	CRF	HS2	Wilma	8897	0.0848								
6/28/2012	CRF	HS2	Wilma	8897	0.0849	0.084							
6/29/2012	bmb	HS2	Wilma	8897	0.0835								
6/29/2012	bmb	HS2	Wilma	8897	0.0827	0.083							
6/29/2012	bmb	HS2	Wilma	8897	0.0852								
6/29/2012	bmb	HS2	Wilma	8897	0.0833	0.084							
7/3/2012	CRF	HS2	Wilma	8897	0.0840								
7/3/2012	CRF	HS2	Wilma	8897	0.0837	0.083							
7/3/2012	CRF	HS2	Wilma	8897	0.0849								
7/3/2012	CRF	HS2	Wilma	8897	0.0845	0.084							
7/9/2012	bmb	HS2	Wilma	8897	0.0837								
7/9/2012	bmb	HS2	Wilma	8897	0.0820	0.082							
7/9/2012	bmb	HS2	Wilma	8897	0.0833								
7/9/2012	bmb	HS2	Wilma	8897	0.0839	0.083							
7/10/2012	COB	HS2	Wilma	8897	0.0843								
7/10/2012	COB	HS2	Wilma	8897	0.0841	0.084							
7/10/2012	COB	HS2	Wilma	8897	0.0845								
7/10/2012	COB	HS2	Wilma	8897	0.0834	0.083							
7/11/2012	CRF	HS2	Wilma	8897	0.0830								
7/11/2012	CRF	HS2	Wilma	8897	0.0829	0.082							
7/11/2012	CRF	HS2	Wilma	8897	0.0831								
7/11/2012	CRF	HS2	Wilma	8897	0.0840	0.083							
7/16/2012	bmb	HS2	Wilma	8897	0.0837								
7/16/2012	bmb	HS2	Wilma	8897	0.0829	0.083							
7/16/2012	bmb	HS2	Wilma	8897	0.0839								
7/16/2012	bmb	HS2	Wilma	8897	0.0843	0.084							
7/18/2012	COB	HS2	Wilma	8897	0.0856								
7/18/2012	COB	HS2	Wilma	8897	0.0844	0.085							
7/18/2012	COB	HS2	Wilma	8897	0.0860								
7/18/2012	COB	HS2	Wilma	8897	0.0848	0.085							
7/26/2012	CRF	HS2	Wilma	8897	0.0842								
7/26/2012	CRF	HS2	Wilma	8897	0.0835	0.083							
7/26/2012	CRF	HS2	Wilma	8897	0.0842								
7/26/2012	CRF	HS2	Wilma	8897	0.0844	0.084							
7/30/2012	COB	HS2	Wilma	8897	0.0825								
7/30/2012	COB	HS2	Wilma	8897	0.0821	0.082							
7/30/2012	COB	HS2	Wilma	8897	0.0831								
7/30/2012	COB	HS2	Wilma	8897	0.0829	0.083							
8/2/2012	COB	HS2	Wilma	8897	0.0838								
8/2/2012	COB	HS2	Wilma	8897	0.0832	0.083							
8/2/2012	COB	HS2	Wilma	8897	0.0843								
8/2/2012	COB	HS2	Wilma	8897	0.0842	0.084							
8/9/2012	bmb	HS2	Wilma	8897	0.0815								
8/9/2012	bmb	HS2	Wilma	8897	0.0817	0.081							
8/9/2012	bmb	HS2	Wilma	8897	0.0819								
8/9/2012	bmb	HS2	Wilma	8897	0.0813	0.081							
8/13/2012	CRF	HS2	Wilma	8897	0.0827								
8/13/2012	CRF	HS2	Wilma	8897	0.0824	0.082							
8/13/2012	CRF	HS2	Wilma	8897	0.0834								
8/13/2012	CRF	HS2	Wilma	8897	0.0833	0.083							
8/16/2012	CRF	HS2	Wilma	8897	0.0834								
8/16/2012	CRF	HS2	Wilma	8897	0.0828	0.083							
8/16/2012	CRF	HS2	Wilma	8897	0.0830								
8/16/2012	CRF	HS2	Wilma	8897	0.0832	0.083							
8/22/2012	COB	HS2	Wilma	8897	0.0833								
8/22/2012	COB	HS2	Wilma	8897	0.0826	0.082							
8/22/2012	COB	HS2	Wilma	8897	0.0835								
8/22/2012	COB	HS2	Wilma	8897	0.0826	0.083							
9/7/2012	COB	HS2	Wilma	8897	0.0833								
9/7/2012	COB	HS2	Wilma	8897	0.0828	0.083							
9/7/2012	COB	HS2	Wilma	8897	0.0838								
9/7/2012	COB	HS2	Wilma	8897	0.0841	0.083							

Blood Matrix QC Reproducibility Data (Lot 9144)

N=	26	Mean=	0.0799	SD=	0.0010	SD*2=	0.0019	%RSD=	1.2	%RSD*2	2.4	%Bias	-2.6
Date	Anaylst	Instrument	Pipetter	Lot	Value (.082)	Reported							
9/12/2012	bmb	HS2	Wilma	9144	0.0795								
9/12/2012	bmb	HS2	Wilma	9144	0.0792	0.079							
9/12/2012	bmb	HS2	Wilma	9144	0.0806								
9/12/2012	bmb	HS2	Wilma	9144	0.0799	0.080							
9/17/2012	CRF	HS2	Wilma	9144	0.0803								
9/17/2012	CRF	HS2	Wilma	9144	0.0803	0.080							
9/17/2012	CRF	HS2	Wilma	9144	0.0806								
9/17/2012	CRF	HS2	Wilma	9144	0.0811	0.080							
9/25/2012	COB	HS2	Wilma	9144	0.0790								
9/25/2012	COB	HS2	Wilma	9144	0.0786	0.078							
9/25/2012	COB	HS2	Wilma	9144	0.0800								
9/25/2012	COB	HS2	Wilma	9144	0.0797	0.079							
10/5/2012	COB	HS2	Wilma	9144	0.0841								
10/5/2012	COB	HS2	Wilma	9144	0.0809	0.082							
10/5/2012	COB	HS2	Wilma	9144	0.0832								
10/5/2012	COB	HS2	Wilma	9144	0.0810	0.082							
10/15/2012	CRF	HS2	Wilma	9144	0.0796								
10/15/2012	CRF	HS2	Wilma	9144	0.0802	0.079							
10/15/2012	CRF	HS2	Wilma	9144	0.0807								
10/15/2012	CRF	HS2	Wilma	9144	0.0803	0.080							
10/17/2012	bmb	HS2	Wilma	9144	0.0806								
10/17/2012	bmb	HS2	Wilma	9144	0.0792	0.079							
10/17/2012	bmb	HS2	Wilma	9144	0.0808								
10/17/2012	bmb	HS2	Wilma	9144	0.0810	0.080							
10/19/2012	CRF	HS2	Wilma	9144	0.0805								
10/19/2012	CRF	HS2	Wilma	9144	0.0798	0.080							
10/19/2012	CRF	HS2	Wilma	9144	0.0812								
10/19/2012	CRF	HS2	Wilma	9144	0.0807	0.080							
10/23/2012	COB	HS2	Wilma	9144	0.0827								
10/23/2012	COB	HS2	Wilma	9144	0.0802	0.081							
10/23/2012	COB	HS2	Wilma	9144	0.0819								
10/23/2012	COB	HS2	Wilma	9144	0.0812	0.081							
11/2/2012	bmb	HS2	ML600-1	9144	0.0800								
11/2/2012	bmb	HS2	ML600-1	9144	0.0797	0.079							
11/2/2012	bmb	HS2	ML600-1	9144	0.0805								
11/2/2012	bmb	HS2	ML600-1	9144	0.0808	0.080							
11/6/2012	CRF	HS2	ML600-1	9144	0.0798								
11/6/2012	CRF	HS2	ML600-1	9144	0.0789	0.079							
11/6/2012	CRF	HS2	ML600-1	9144	0.0798								
11/6/2012	CRF	HS2	ML600-1	9144	0.0805	0.080							
11/16/2012	COB	HS2	ML600-1	9144	0.0801								
11/16/2012	COB	HS2	ML600-1	9144	0.0793	0.079							
11/16/2012	COB	HS2	ML600-1	9144	0.0801								
11/16/2012	COB	HS2	ML600-1	9144	0.0806	0.080							
11/16/2012	bmb	HS2	ML600-1	9144	0.0800								
11/16/2012	bmb	HS2	ML600-1	9144	0.0805	0.080							
11/16/2012	bmb	HS2	ML600-1	9144	0.0803								
11/16/2012	bmb	HS2	ML600-1	9144	0.0809	0.080							
11/20/2012	CRF	HS2	ML600-1	9144	0.0801								
11/20/2012	CRF	HS2	ML600-1	9144	0.0794	0.079							
11/20/2012	CRF	HS2	ML600-1	9144	0.0810								
11/20/2012	CRF	HS2	ML600-1	9144	0.0811	0.081							

Blood Matrix QC Reproducibility Data (Lot 9736)

N=	32	Mean=	0.0822	SD=	0.0008	SD*2=	0.0017	%RSD=	1.0	%RSD*2	2.0	%Bias	-2.1
Date	Anaylst	Instrument	Pipetter	Lot	Value (.084)	Reported							
11/28/2012	COB	HS2	ML600-1	9736	0.0827								
11/28/2012	COB	HS2	ML600-1	9736	0.0809	0.081							
11/28/2012	COB	HS2	ML600-1	9736	0.0844								
11/28/2012	COB	HS2	ML600-1	9736	0.0823	0.083							
12/3/2012	CRF	HS1	ML600-1	9736	0.0829								
12/3/2012	CRF	HS1	ML600-1	9736	0.0817	0.082							
12/3/2012	CRF	HS1	ML600-1	9736	0.0831								
12/3/2012	CRF	HS1	ML600-1	9736	0.0833	0.083							
12/13/2012	bmb	HS2	ML600-1	9736	0.0824								
12/13/2012	bmb	HS2	ML600-1	9736	0.0821	0.082							
12/13/2012	bmb	HS2	ML600-1	9736	0.0837								
12/13/2012	bmb	HS2	ML600-1	9736	0.0832	0.083							
12/21/2012	COB	HS2	ML600-1	9736	0.0850								
12/21/2012	COB	HS2	ML600-1	9736	0.0831	0.084							
12/21/2012	COB	HS2	ML600-1	9736	0.0830								
12/21/2012	COB	HS2	ML600-1	9736	0.0831	0.083							
12/26/2012	CRF	HS1	ML600-1	9736	0.0814								
12/26/2012	CRF	HS1	ML600-1	9736	0.0819	0.081							
12/26/2012	CRF	HS1	ML600-1	9736	0.0827								
12/26/2012	CRF	HS1	ML600-1	9736	0.0827	0.082							
1/14/2013	COB	HS2	ML600-1	9736	0.0834								
1/14/2013	COB	HS2	ML600-1	9736	0.0841	0.083							
1/14/2013	COB	HS2	ML600-1	9736	0.0831								
1/14/2013	COB	HS2	ML600-1	9736	0.0828	0.082							
1/24/2013	bmb	HS2	ML600-1	9736	0.0814								
1/24/2013	bmb	HS2	ML600-1	9736	0.0812	0.081							
1/24/2013	bmb	HS2	ML600-1	9736	0.0831								
1/24/2013	bmb	HS2	ML600-1	9736	0.0824	0.082							
1/28/2013	CRF	HS1	ML600-1	9736	0.0829								
1/28/2013	CRF	HS1	ML600-1	9736	0.0823	0.082							
1/28/2013	CRF	HS1	ML600-1	9736	0.0833								
1/28/2013	CRF	HS1	ML600-1	9736	0.0833	0.083							
2/6/2013	COB	HS1	ML600-1	9736	0.0831								
2/6/2013	COB	HS1	ML600-1	9736	0.0821	0.082							
2/6/2013	COB	HS1	ML600-1	9736	0.0838								
2/6/2013	COB	HS1	ML600-1	9736	0.0830	0.083							
2/12/2013	COB	HS2	ML600-1	9736	0.0828								
2/12/2013	COB	HS2	ML600-1	9736	0.0832	0.083							
2/12/2013	COB	HS2	ML600-1	9736	0.0834								
2/12/2013	COB	HS2	ML600-1	9736	0.0834	0.083							
2/25/2013	bmb	HS2	ML600-1	9736	0.0826								
2/25/2013	bmb	HS2	ML600-1	9736	0.0825	0.082							
2/25/2013	bmb	HS2	ML600-1	9736	0.0834								
2/25/2013	bmb	HS2	ML600-1	9736	0.0829	0.083							
3/7/2013	CRF	HS1	ML600-1	9736	0.0816								
3/7/2013	CRF	HS1	ML600-1	9736	0.0821	0.081							
3/7/2013	CRF	HS1	ML600-1	9736	0.0829								
3/7/2013	CRF	HS1	ML600-1	9736	0.0828	0.082							
3/12/2013	COB	HS2	ML600-1	9736	0.0838								
3/12/2013	COB	HS2	ML600-1	9736	0.0835	0.083							
3/12/2013	COB	HS2	ML600-1	9736	0.0830								
3/12/2013	COB	HS2	ML600-1	9736	0.0837	0.083							
3/26/2013	CRF	HS1	ML600-1	9736	0.0817								
3/26/2013	CRF	HS1	ML600-1	9736	0.0813	0.081							
3/26/2013	CRF	HS1	ML600-1	9736	0.0821								
3/26/2013	CRF	HS1	ML600-1	9736	0.0821	0.082							
4/2/2013	bmb	HS2	Wilma	9736	0.0819								
4/2/2013	bmb	HS2	Wilma	9736	0.0816	0.081							
4/2/2013	bmb	HS2	Wilma	9736	0.0828								
4/2/2013	bmb	HS2	Wilma	9736	0.0822	0.082							
4/15/2013	CRF	HS2	Wilma	9736	0.0824								
4/15/2013	CRF	HS2	Wilma	9736	0.0812	0.081							
4/15/2013	CRF	HS2	Wilma	9736	0.0830								
4/15/2013	CRF	HS2	Wilma	9736	0.0826	0.082							

Blood Matrix QC Reproducibility Data (Lot A0577)

N=	32	Mean=	0.0837	SD=	0.0010	SD*2=	0.0020	%RSD=	1.2	%RSD*2	2.4	%Bias	-2.7
Date	Anaylst	Instrument	Pipetter	Lot	Value (.086)	Reported							
4/25/2013	COB	HS1	Wilma	A0577	0.0858								
4/25/2013	COB	HS1	Wilma	A0577	0.0857	0.085							
4/25/2013	COB	HS1	Wilma	A0577	0.0858								
4/25/2013	COB	HS1	Wilma	A0577	0.0855	0.085							
4/30/2013	bmb	HS2	Wilma	A0577	0.0843								
4/30/2013	bmb	HS2	Wilma	A0577	0.0836	0.083							
4/30/2013	bmb	HS2	Wilma	A0577	0.0854								
4/30/2013	bmb	HS2	Wilma	A0577	0.0846	0.085							
5/7/2013	COB	HS1	Wilma	A0577	0.0857								
5/7/2013	COB	HS1	Wilma	A0577	0.0860	0.085							
5/7/2013	COB	HS1	Wilma	A0577	0.0851								
5/7/2013	COB	HS1	Wilma	A0577	0.0856	0.085							
5/14/2013	CRF	HS2	Wilma	A0577	0.0846								
5/14/2013	CRF	HS2	Wilma	A0577	0.0840	0.084							
5/14/2013	CRF	HS2	Wilma	A0577	0.0849								
5/14/2013	CRF	HS2	Wilma	A0577	0.0851	0.085							
5/31/2013	bmb	HS2	Wilma	A0577	0.0847								
5/31/2013	bmb	HS2	Wilma	A0577	0.0837	0.084							
5/31/2013	bmb	HS2	Wilma	A0577	0.0851								
5/31/2013	bmb	HS2	Wilma	A0577	0.0857	0.085							
6/7/2013	CRF	HS1	Wilma	A0577	0.0846								
6/7/2013	CRF	HS1	Wilma	A0577	0.0852	0.084							
6/7/2013	CRF	HS1	Wilma	A0577	0.0849								
6/7/2013	CRF	HS1	Wilma	A0577	0.0852	0.085							
6/19/2013	bmb	HS2	Wilma	A0577	0.0834								
6/19/2013	bmb	HS2	Wilma	A0577	0.0829	0.083							
6/19/2013	bmb	HS2	Wilma	A0577	0.0840								
6/19/2013	bmb	HS2	Wilma	A0577	0.0835	0.083							
6/27/2013	CRF	HS1	Wilma	A0577	0.0829								
6/27/2013	CRF	HS1	Wilma	A0577	0.0828	0.082							
6/27/2013	CRF	HS1	Wilma	A0577	0.0835								
6/27/2013	CRF	HS1	Wilma	A0577	0.0843	0.083							
7/3/2013	bmb	HS1	Wilma	A0577	0.0847								
7/3/2013	bmb	HS1	Wilma	A0577	0.0840	0.084							
7/3/2013	bmb	HS1	Wilma	A0577	0.0841								
7/3/2013	bmb	HS1	Wilma	A0577	0.0841	0.084							
7/12/2013	CRF	HS2	Wilma	A0577	0.0831								
7/12/2013	CRF	HS2	Wilma	A0577	0.0829	0.083							
7/12/2013	CRF	HS2	Wilma	A0577	0.0825								
7/12/2013	CRF	HS2	Wilma	A0577	0.0838	0.083							
7/12/2013	bmb	HS1	Wilma	A0577	0.0835								
7/12/2013	bmb	HS1	Wilma	A0577	0.0833	0.083							
7/12/2013	bmb	HS1	Wilma	A0577	0.0842								
7/12/2013	bmb	HS1	Wilma	A0577	0.0846	0.084							
7/25/2013	COB	HS2	Wilma	A0577	0.0843								
7/25/2013	COB	HS2	Wilma	A0577	0.0834	0.083							
7/25/2013	COB	HS2	Wilma	A0577	0.0857								
7/25/2013	COB	HS2	Wilma	A0577	0.0846	0.085							
8/14/2013	CRF	HS1	Wilma	A0577	0.0824								
8/14/2013	CRF	HS1	Wilma	A0577	0.0824	0.082							
8/14/2013	CRF	HS1	Wilma	A0577	0.0833								
8/14/2013	CRF	HS1	Wilma	A0577	0.0829	0.083							
8/19/2013	bmb	HS1	Wilma	A0577	0.0823								
8/19/2013	bmb	HS1	Wilma	A0577	0.0832	0.082							
8/19/2013	bmb	HS1	Wilma	A0577	0.0832								
8/19/2013	bmb	HS1	Wilma	A0577	0.0831	0.083							
8/20/2013	COB	HS2	Wilma	A0577	0.0831								
8/20/2013	COB	HS2	Wilma	A0577	0.0838	0.083							
8/20/2013	COB	HS2	Wilma	A0577	0.0846								
8/20/2013	COB	HS2	Wilma	A0577	0.0845	0.084							
8/30/2013	COB	HS2	Wilma	A0577	0.0836								
8/30/2013	COB	HS2	Wilma	A0577	0.0835	0.083							
8/30/2013	COB	HS2	Wilma	A0577	0.0852								
8/30/2013	COB	HS2	Wilma	A0577	0.0839	0.084							

Blood Matrix QC Reproducibility Data (Lot A1442)

N=	37	Mean=	0.0791	SD=	0.0009	SD*2=	0.0017	%RSD=	1.1	%RSD*2	2.2	%Bias	-2.4
Date	Anaylst	Instrument	Pipetter	Lot	Value (.081)	Reported							
9/20/2013	bmb	HS2	Wilma	A1442	0.0792								
9/20/2013	bmb	HS2	Wilma	A1442	0.0796	0.079							
9/20/2013	bmb	HS2	Wilma	A1442	0.0798								
9/20/2013	bmb	HS2	Wilma	A1442	0.08	0.079							
9/23/2013	CRF	HS1	Wilma	A1442	0.0794								
9/23/2013	CRF	HS1	Wilma	A1442	0.0791	0.079							
9/23/2013	CRF	HS1	Wilma	A1442	0.0802								
9/23/2013	CRF	HS1	Wilma	A1442	0.0803	0.080							
9/26/2013	COB	HS1	Wilma	A1442	0.0808								
9/26/2013	COB	HS1	Wilma	A1442	0.0800	0.080							
9/26/2013	COB	HS1	Wilma	A1442	0.0816								
9/26/2013	COB	HS1	Wilma	A1442	0.0806	0.081							
10/11/2013	CRF	HS2	Wilma	A1442	0.0792								
10/11/2013	CRF	HS2	Wilma	A1442	0.0792	0.079							
10/11/2013	CRF	HS2	Wilma	A1442	0.0791								
10/11/2013	CRF	HS2	Wilma	A1442	0.0789	0.079							
10/22/2013	CRF	HS1	Wilma	A1442	0.0786								
10/22/2013	CRF	HS1	Wilma	A1442	0.0797	0.079							
10/22/2013	CRF	HS1	Wilma	A1442	0.0801								
10/22/2013	CRF	HS1	Wilma	A1442	0.0793	0.079							
10/30/2013	bmb	HS1	Wilma	A1442	0.0792								
10/30/2013	bmb	HS1	Wilma	A1442	0.0783	0.078							
10/30/2013	bmb	HS1	Wilma	A1442	0.0799								
10/30/2013	bmb	HS1	Wilma	A1442	0.0798	0.079							
11/4/2013	COB	HS1	Wilma	A1442	0.0800								
11/4/2013	COB	HS1	Wilma	A1442	0.0800	0.080							
11/4/2013	COB	HS1	Wilma	A1442	0.0812								
11/4/2013	COB	HS1	Wilma	A1442	0.0801	0.080							
11/12/2013	CRF	HS1	Wilma	A1442	0.0796								
11/12/2013	CRF	HS1	Wilma	A1442	0.0785	0.079							
11/12/2013	CRF	HS1	Wilma	A1442	0.0797								
11/12/2013	CRF	HS1	Wilma	A1442	0.0801	0.079							
11/19/2013	CRF	HS1	Wilma	A1442	0.0780								
11/19/2013	CRF	HS1	Wilma	A1442	0.0784	0.078							
11/19/2013	CRF	HS1	Wilma	A1442	0.0794								
11/19/2013	CRF	HS1	Wilma	A1442	0.0787	0.079							
11/13/2013	bmb	HS2	Wilma	A1442	0.0787								
11/13/2013	bmb	HS2	Wilma	A1442	0.0789	0.078							
11/15/2013	bmb	HS1	Wilma	A1442	0.0789								
11/15/2013	bmb	HS1	Wilma	A1442	0.0786	0.078							
11/15/2013	bmb	HS1	Wilma	A1442	0.0800								
11/15/2013	bmb	HS1	Wilma	A1442	0.0798	0.079							
12/3/2013	COB	HS1	ML600-1	A1442	0.0798								
12/3/2013	COB	HS1	ML600-1	A1442	0.0787	0.079							
12/3/2013	COB	HS1	ML600-1	A1442	0.0809								
12/3/2013	COB	HS1	ML600-1	A1442	0.0798	0.080							
12/17/2013	COB	HS1	ML600-1	A1442	0.0805								
12/17/2013	COB	HS1	ML600-1	A1442	0.0795	0.080							
12/17/2013	COB	HS1	ML600-1	A1442	0.0811								
12/17/2013	COB	HS1	ML600-1	A1442	0.0811	0.081							
1/2/2014	CRF	HS2	ML600-1	A1442	0.0793								
1/2/2014	CRF	HS2	ML600-1	A1442	0.0789	0.079							
1/2/2014	CRF	HS2	ML600-1	A1442	0.0792								
1/2/2014	CRF	HS2	ML600-1	A1442	0.0790	0.079							
1/8/2014	bmb	HS2	ML600-1	A1442	0.0778								
1/8/2014	bmb	HS2	ML600-1	A1442	0.0782	0.078							
1/8/2014	bmb	HS2	ML600-1	A1442	0.0799								
1/8/2014	bmb	HS2	ML600-1	A1442	0.0797	0.079							
1/13/2014	COB	HS1	ML600-1	A1442	0.0794								
1/13/2014	COB	HS1	ML600-1	A1442	0.0789	0.079							
1/13/2014	COB	HS1	ML600-1	A1442	0.0800								
1/13/2014	COB	HS1	ML600-1	A1442	0.0802	0.080							
1/23/2014	COB	HS1	ML600-1	A1442	0.0785								
1/23/2014	COB	HS1	ML600-1	A1442	0.0776	0.078							
1/23/2014	COB	HS1	ML600-1	A1442	0.0795								
1/23/2014	COB	HS1	ML600-1	A1442	0.0792	0.079							
1/23/2014	COB	HS2	ML600-1	A1442	0.0776								
1/23/2014	COB	HS2	ML600-1	A1442	0.0779	0.077							

1/23/2014	COB	HS2	ML600-1	A1442	0.0782	
1/23/2014	COB	HS2	ML600-1	A1442	0.0782	0.078
2/3/2014	COB	HS1	ML600-1	A1442	0.0796	
2/3/2014	COB	HS1	ML600-1	A1442	0.0798	0.079
2/3/2014	COB	HS1	ML600-1	A1442	0.0808	
2/3/2014	COB	HS1	ML600-1	A1442	0.0800	0.080

Blood Matrix QC Reproducibility Data (Lot A1147)

N=	41	Mean=	0.0826	SD=	0.0009	SD*2=	0.0019	%RSD=	1.1	%RSD*2	2.3	%Bias	2.0
Date	**Anaylst**	**Instrument**	**Pipetter**	**Lot**	**Value (.081)**	**Reported**							
2/3/2014	COB	HS1	ML600-1	A1147	0.0854								
2/3/2014	COB	HS1	ML600-1	A1147	0.0844	0.084							
2/14/2014	BMB	HS1	ML600-1	A1147	0.0839								
2/14/2014	BMB	HS1	ML600-1	A1147	0.0828	0.083							
2/14/2014	BMB	HS1	ML600-1	A1147	0.0830								
2/14/2014	BMB	HS1	ML600-1	A1147	0.0828	0.082							
2/24/2014	COB	HS1	ML600-1	A1147	0.0838								
2/24/2014	COB	HS1	ML600-1	A1147	0.0843	0.084							
2/24/2014	COB	HS1	ML600-1	A1147	0.0850								
2/24/2014	COB	HS1	ML600-1	A1147	0.0844	0.084							
3/3/2014	COB	HS1	ML600-1	A1147	0.0837								
3/3/2014	COB	HS1	ML600-1	A1147	0.0831	0.083							
3/3/2014	COB	HS1	ML600-1	A1147	0.0848								
3/3/2014	COB	HS1	ML600-1	A1147	0.0855	0.085							
3/11/2014	CRF	HS1	ML600-1	A1147	0.0830								
3/11/2014	CRF	HS1	ML600-1	A1147	0.0843	0.083							
3/11/2014	CRF	HS1	ML600-1	A1147	0.0841								
3/11/2014	CRF	HS1	ML600-1	A1147	0.0837	0.083							
3/11/2014	BMB	HS2	ML600-1	A1147	0.0817								
3/11/2014	BMB	HS2	ML600-1	A1147	0.0811	0.081							
3/11/2014	BMB	HS2	ML600-1	A1147	0.0826								
3/11/2014	BMB	HS2	ML600-1	A1147	0.0827	0.082							
4/2/2014	CRF	HS1	ML600-1	A1147	0.0826								
4/2/2014	CRF	HS1	ML600-1	A1147	0.0830	0.082							
4/2/2014	CRF	HS1	ML600-1	A1147	0.0838								
4/2/2014	CRF	HS1	ML600-1	A1147	0.0839	0.083							
4/10/2014	CRF	HS1	ML600-1	A1147	0.0827								
4/10/2014	CRF	HS1	ML600-1	A1147	0.0827	0.082							
4/10/2014	CRF	HS1	ML600-1	A1147	0.0834								
4/10/2014	CRF	HS1	ML600-1	A1147	0.0831	0.083							
4/22/2014	COB	HS2	ML600-1	A1147	0.0820								
4/22/2014	COB	HS2	ML600-1	A1147	0.0820	0.082							
4/22/2014	COB	HS2	ML600-1	A1147	0.0835								
4/22/2014	COB	HS2	ML600-1	A1147	0.0829	0.083							
4/24/2014	COB	HS2	ML600-1	A1147	0.0824								
4/24/2014	COB	HS2	ML600-1	A1147	0.0833	0.082							
4/24/2014	COB	HS2	ML600-1	A1147	0.0836								
4/24/2014	COB	HS2	ML600-1	A1147	0.0833	0.083							
4/30/2014	COB	HS1	ML600-1	A1147	0.0825								
4/30/2014	COB	HS1	ML600-1	A1147	0.0815	0.082							
4/30/2014	COB	HS1	ML600-1	A1147	0.0834								
4/30/2014	COB	HS1	ML600-1	A1147	0.0828	0.083							
4/30/2014	CRF	HS2	ML600-1	A1147	0.0812								
4/30/2014	CRF	HS2	ML600-1	A1147	0.0817	0.081							
4/30/2014	CRF	HS2	ML600-1	A1147	0.0834								
4/30/2014	CRF	HS2	ML600-1	A1147	0.0834	0.083							
5/6/2014	bmb	HS1	ML600-1	A1147	0.0815								
5/6/2014	bmb	HS1	ML600-1	A1147	0.0813	0.081							
5/6/2014	bmb	HS1	ML600-1	A1147	0.0820								
5/6/2014	bmb	HS1	ML600-1	A1147	0.0822	0.082							
5/7/2014	bmb	HS1	ML600-1	A1147	0.0836								
5/7/2014	bmb	HS1	ML600-1	A1147	0.0831	0.083							
5/7/2014	bmb	HS1	ML600-1	A1147	0.0843								
5/7/2014	bmb	HS1	ML600-1	A1147	0.0839	0.084							
5/12/2014	bmb	HS2	ML600-1	A1147	0.0815								
5/12/2014	bmb	HS2	ML600-1	A1147	0.0819	0.081							
5/12/2014	bmb	HS2	ML600-1	A1147	0.0832								
5/12/2014	bmb	HS2	ML600-1	A1147	0.0832	0.083							
5/19/2014	COB	HS1	ML600-1	A1147	0.0842								
5/19/2014	COB	HS1	ML600-1	A1147	0.0850	0.084							
5/19/2014	COB	HS1	ML600-1	A1147	0.0839								
5/19/2014	COB	HS1	ML600-1	A1147	0.0834	0.083							
5/20/2014	COB	HS1	ML600-1	A1147	0.0836								
5/20/2014	COB	HS1	ML600-1	A1147	0.0831	0.083							

5/20/2014	COB	HS1	ML600-1	A1147	0.0826	
5/20/2014	COB	HS1	ML600-1	A1147	0.0834	0.083
5/21/2014	COB	HS1	ML600-1	A1147	0.0826	
5/21/2014	COB	HS1	ML600-1	A1147	0.0822	0.082
5/21/2014	COB	HS1	ML600-1	A1147	0.0835	
5/21/2014	COB	HS1	ML600-1	A1147	0.0841	0.083
5/21/2014	COB	HS2	ML600-1	A1147	0.0821	
5/21/2014	COB	HS2	ML600-1	A1147	0.0822	0.082
5/21/2014	COB	HS2	ML600-1	A1147	0.0835	
5/21/2014	COB	HS2	ML600-1	A1147	0.0826	0.083
5/27/2014	bmb	hs2	ML600-1	A1147	0.0823	
5/27/2014	bmb	hs2	ML600-1	A1147	0.0820	0.082
5/27/2014	bmb	hs2	ML600-1	A1147	0.0840	
5/27/2014	bmb	hs2	ML600-1	A1147	0.0829	0.083
6/3/2014	COB	HS1	ML600-1	A1147	0.0822	
6/3/2014	COB	HS1	ML600-1	A1147	0.0816	0.081
6/3/2014	COB	HS1	ML600-1	A1147	0.0829	
6/3/2014	COB	HS1	ML600-1	A1147	0.0826	0.082
6/3/2014	BMB	HS2	ML600-1	A1147	0.0828	
6/3/2014	BMB	HS2	ML600-1	A1147	0.0813	
6/3/2014	BMB	HS2	ML600-1	A1147	0.0835	
6/3/2014	BMB	HS2	ML600-1	A1147	0.0833	

Blood Matrix QC Reproducibility Data (Lot A2224)

N=	31	Mean=	0.0811	SD=	0.0008	SD*2=	0.0016	%RSD=	1.0	%RSD*2	2.0	%Bias	0.2
Date	Anaylst	Instrument	Pipetter	Lot	Value (.081)	Reported							
6/3/2014	COB	HS1	ML600-1	A2224	0.0813								
6/3/2014	COB	HS1	ML600-1	A2224	0.0819	0.081							
6/4/2014	bmb	HS1	ML600-1	A2224	0.0808								
6/4/2014	bmb	HS1	ML600-1	A2224	0.0803	0.080							
6/4/2014	bmb	HS1	ML600-1	A2224	0.0812								
6/4/2014	bmb	HS1	ML600-1	A2224	0.0809	0.081							
6/10/2014	CRF	HS1	ML600-1	A2224	0.0819								
6/10/2014	CRF	HS1	ML600-1	A2224	0.0811	0.081							
6/10/2014	CRF	HS1	ML600-1	A2224	0.0824								
6/10/2014	CRF	HS1	ML600-1	A2224	0.0820	0.082							
6/17/2014	COB	HS1	ML600-1	A2224	0.0798								
6/17/2014	COB	HS1	ML600-1	A2224	0.0797	0.079							
6/17/2014	COB	HS1	ML600-1	A2224	0.0807								
6/17/2014	COB	HS1	ML600-1	A2224	0.0794	0.080							
6/24/2014	CRF	HS1	ML600-1	A2224	0.0807								
6/24/2014	CRF	HS1	ML600-1	A2224	0.0807	0.080							
6/24/2014	CRF	HS1	ML600-1	A2224	0.0820								
6/24/2014	CRF	HS1	ML600-1	A2224	0.0818	0.081							
7/2/2014	CRF	HS1	ML600-1	A2224	0.0820								
7/2/2014	CRF	HS1	ML600-1	A2224	0.0813	0.081							
7/2/2014	CRF	HS1	ML600-1	A2224	0.0825								
7/2/2014	CRF	HS1	ML600-1	A2224	0.0828	0.082							
7/11/2014	bmb	HS1	ML600-1	A2224	0.0811								
7/11/2014	bmb	HS1	ML600-1	A2224	0.0808	0.080							
7/11/2014	bmb	HS1	ML600-1	A2224	0.0813								
7/11/2014	bmb	HS1	ML600-1	A2224	0.0815	0.081							
7/14/2014	COB	HS1	ML600-1	A2224	0.0818								
7/14/2014	COB	HS1	ML600-1	A2224	0.0817	0.081							
7/14/2014	COB	HS1	ML600-1	A2224	0.0829								
7/14/2014	COB	HS1	ML600-1	A2224	0.0836	0.083							
7/22/2014	COB	HS1	ML600-1	A2224	0.0820								
7/22/2014	COB	HS1	ML600-1	A2224	0.0807	0.081							
7/22/2014	COB	HS1	ML600-1	A2224	0.0823								
7/22/2014	COB	HS1	ML600-1	A2224	0.0809	0.081							
7/29/2014	COB	HS1	ML600-1	A2224	0.0817								
7/29/2014	COB	HS1	ML600-1	A2224	0.0815	0.081							
7/29/2014	COB	HS1	ML600-1	A2224	0.0829								
7/29/2014	COB	HS1	ML600-1	A2224	0.0823	0.082							
8/4/2014	COB	HS1	ML600-1	A2224	0.0820								
8/4/2014	COB	HS1	ML600-1	A2224	0.0809	0.081							
8/4/2014	COB	HS1	ML600-1	A2224	0.0813								
8/4/2014	COB	HS1	ML600-1	A2224	0.0819	0.081							
8/5/2014	COB	HS1	ML600-1	A2224	0.0820								
8/5/2014	COB	HS1	ML600-1	A2224	0.0815	0.081							
8/5/2014	COB	HS1	ML600-1	A2224	0.0830								
8/5/2014	COB	HS1	ML600-1	A2224	0.0824	0.082							
8/11/2014	COB	HS1	ML600-1	A2224	0.0820								
8/11/2014	COB	HS1	ML600-1	A2224	0.0819								
8/11/2014	COB	HS1	ML600-1	A2224	0.0819								
8/11/2014	COB	HS1	ML600-1	A2224	0.0824								
8/12/2014	COB	HS1	ML600-1	A2224	0.0812								
8/12/2014	COB	HS1	ML600-1	A2224	0.0812	0.081							
8/12/2014	COB	HS1	ML600-1	A2224	0.0821								
8/12/2014	COB	HS1	ML600-1	A2224	0.0820	0.082							
8/25/2014	COB	HS1	ML600-1	A2224	0.0819								
8/25/2014	COB	HS1	ML600-1	A2224	0.0821	0.082							
8/25/2014	COB	HS1	ML600-1	A2224	0.0829								
8/25/2014	COB	HS1	ML600-1	A2224	0.0826	0.082							
8/29/2014	COB	HS1	ML600-1	A2224	0.0811								
8/29/2014	COB	HS1	ML600-1	A2224	0.0820	0.081							
8/29/2014	COB	HS1	ML600-1	A2224	0.0821								
8/29/2014	COB	HS1	ML600-1	A2224	0.0820	0.082							
9/9/2014	COB	HS1	ML600-1	A2224	0.0812								
9/9/2014	COB	HS1	ML600-1	A2224	0.0808	0.081							

9/9/2014	COB	HS1	ML600-1	A2224	0.0809	
9/9/2014	COB	HS1	ML600-1	A2224	0.0813	0.081

Blood Matrix QC Reproducibility Data (Lot A2406)

N=	37	Mean=	0.0793	SD=	0.0008	SD*2=	0.0016	%RSD=	1.0	%RSD*2	2.0	%Bias	-2.1
Date	**Anaylst**	**Instrument**	**Pipetter**	**Lot**	**Value (.081)**	**Reported**							
8/29/2014	COB	HS1	ML600-1	A2406	0.0810								
8/29/2014	COB	HS1	ML600-1	A2406	0.0808	0.080							
9/15/2014	bmb	HS1	ML600-1	A2406	0.0792								
9/15/2014	bmb	HS1	ML600-1	A2406	0.0793	0.079							
9/15/2014	bmb	HS1	ML600-1	A2406	0.0801								
9/15/2014	bmb	HS1	ML600-1	A2406	0.0797	0.079							
9/23/2014	COB	HS1	ML600-1	A2406	0.0796								
9/23/2014	COB	HS1	ML600-1	A2406	0.0790	0.079							
9/23/2014	COB	HS1	ML600-1	A2406	0.0808								
9/23/2014	COB	HS1	ML600-1	A2406	0.0799	0.080							
9/29/2014	COB	HS1	ML600-1	A2406	0.0798								
9/29/2014	COB	HS1	ML600-1	A2406	0.0792	0.079							
9/29/2014	COB	HS1	ML600-1	A2406	0.0800								
9/29/2014	COB	HS1	ML600-1	A2406	0.0806	0.080							
10/7/2014	bmb	HS1	ML600-1	A2406	0.0796								
10/7/2014	bmb	HS1	ML600-1	A2406	0.0794	0.079							
10/7/2014	bmb	HS1	ML600-1	A2406	0.0802								
10/7/2014	bmb	HS1	ML600-1	A2406	0.0788	0.079							
10/13/2014	CRF	HS2	ML600-1	A2406	0.0799								
10/13/2014	CRF	HS2	ML600-1	A2406	0.0793	0.079							
10/13/2014	CRF	HS2	ML600-1	A2406	0.0800								
10/13/2014	CRF	HS2	ML600-1	A2406	0.0798	0.079							
10/20/2014	COB	HS1	ML600-1	A2406	0.0793								
10/20/2014	COB	HS1	ML600-1	A2406	0.0801	0.079							
10/20/2014	COB	HS1	ML600-1	A2406	0.0802								
10/20/2014	COB	HS1	ML600-1	A2406	0.0811	0.080							
10/27/2014	COB	HS2	ML600-1	A2406	0.0779								
10/27/2014	COB	HS2	ML600-1	A2406	0.0775	0.077							
10/27/2014	COB	HS2	ML600-1	A2406	0.0774								
10/27/2014	COB	HS2	ML600-1	A2406	0.0773	0.077							
11/3/2014	CRF	HS2	ML600-1	A2406	0.0807								
11/3/2014	CRF	HS2	ML600-1	A2406	0.0809	0.080							
11/3/2014	CRF	HS2	ML600-1	A2406	0.0808								
11/3/2014	CRF	HS2	ML600-1	A2406	0.0799	0.080							
11/12/2014	bmb	HS1	ML600-1	A2406	0.0795								
11/12/2014	bmb	HS1	ML600-1	A2406	0.0794	0.079							
11/12/2014	bmb	HS1	ML600-1	A2406	0.0796								
11/12/2014	bmb	HS1	ML600-1	A2406	0.0790	0.079							
11/20/2014	COB	HS2	ML600-1	A2406	0.0791								
11/20/2014	COB	HS2	ML600-1	A2406	0.0802	0.079							
11/20/2014	COB	HS2	ML600-1	A2406	0.0811								
11/20/2014	COB	HS2	ML600-1	A2406	0.0804	0.080							
12/2/2014	CRF	HS2	ML600-1	A2406	0.0796								
12/2/2014	CRF	HS2	ML600-1	A2406	0.0797	0.079							
12/2/2014	CRF	HS2	ML600-1	A2406	0.0802								
12/2/2014	CRF	HS2	ML600-1	A2406	0.0802	0.080							
12/8/2014	COB	HS2	ML600-1	A2406	0.0801								
12/8/2014	COB	HS2	ML600-1	A2406	0.0793	0.079							
12/8/2014	COB	HS2	ML600-1	A2406	0.0807								
12/8/2014	COB	HS2	ML600-1	A2406	0.0806	0.080							
12/15/2014	COB	HS2	ML600-1	A2406	0.0795								
12/15/2014	COB	HS2	ML600-1	A2406	0.0794	0.079							
12/15/2014	COB	HS2	ML600-1	A2406	0.0806								
12/15/2014	COB	HS2	ML600-1	A2406	0.0799	0.080							
12/22/2014	CRF	HS2	ML600-1	A2406	0.0795								
12/22/2014	CRF	HS2	ML600-1	A2406	0.0792	0.079							
12/22/2014	CRF	HS2	ML600-1	A2406	0.08								
12/22/2014	CRF	HS2	ML600-1	A2406	0.0798	0.079							
12/30/2014	bmb	HS1	ML600-1	A2406	0.079								
12/30/2014	bmb	HS1	ML600-1	A2406	0.0798	0.079							
12/30/2014	bmb	HS1	ML600-1	A2406	0.0796								
12/30/2014	bmb	HS1	ML600-1	A2406	0.0806	0.080							
1/6/2015	bmb	HS2	ML600-1	A2406	0.0791								
1/6/2015	bmb	HS2	ML600-1	A2406	0.0792	0.079							
1/6/2015	bmb	HS2	ML600-1	A2406	0.0797								
1/6/2015	bmb	HS2	ML600-1	A2406	0.0794	0.079							
1/13/2015	CRF	HS2	ML600-1	A2406	0.0799								

1/13/2015	CRF	HS2	ML600-1	A2406	0.0806	0.080
1/13/2015	CRF	HS2	ML600-1	A2406	0.0804	
1/13/2015	CRF	HS2	ML600-1	A2406	0.0801	0.080
1/20/2015	COB	HS1	ML600-1	A2406	0.0812	
1/20/2015	COB	HS1	ML600-1	A2406	0.0801	0.080
1/20/2015	COB	HS1	ML600-1	A2406	0.0813	
1/20/2015	COB	HS1	ML600-1	A2406	0.081	0.081

Blood Matrix QC Reproducibility Data (Lot A3795)

N=	78	Mean=	0.0786	SD=	0.0010	SD*2=	0.0021	%RSD=	1.3	%RSD*2	2.6	%Bias	-3.0
Date	Anaylst	Instrument	Pipetter	Lot	Value (.081)	Reported							
1/6/2015	bmb	HS2	ML600-1	A3795	0.0808								
1/6/2015	bmb	HS2	ML600-1	A3795	0.0805	0.080							
1/27/2015	bmb	HS2	ML600-1	A3795	0.0791								
1/27/2015	bmb	HS2	ML600-1	A3795	0.0794	0.079							
1/27/2015	bmb	HS2	ML600-1	A3795	0.081								
1/27/2015	bmb	HS2	ML600-1	A3795	0.0804	0.080							
2/6/2015	bmb	HS1	ML600-1	A3795	0.0793								
2/6/2015	bmb	HS1	ML600-1	A3795	0.0796	0.079							
2/6/2015	bmb	HS1	ML600-1	A3795	0.0789								
2/6/2015	bmb	HS1	ML600-1	A3795	0.0786	0.078							
2/6/2015	CRF	HS2	ML600-1	A3795	0.08								
2/6/2015	CRF	HS2	ML600-1	A3795	0.0799	0.079							
2/6/2015	CRF	HS2	ML600-1	A3795	0.0815								
2/6/2015	CRF	HS2	ML600-1	A3795	0.081	0.081							
2/17/2015	COB	HS2	ML600-1	A3795	0.0792								
2/17/2015	COB	HS2	ML600-1	A3795	0.0792	0.079							
2/17/2015	COB	HS2	ML600-1	A3795	0.0803								
2/17/2015	COB	HS2	ML600-1	A3795	0.0817	0.081							
2/23/2015	COB	HS2	ML600-1	A3795	0.0799								
2/23/2015	COB	HS2	ML600-1	A3795	0.0799	0.079							
2/23/2015	COB	HS2	ML600-1	A3795	0.0813								
2/23/2015	COB	HS2	ML600-1	A3795	0.0811	0.081							
3/9/2015	CRF	HS2	ML600-1	A3795	0.0795								
3/9/2015	CRF	HS2	ML600-1	A3795	0.0799	0.079							
3/9/2015	CRF	HS2	ML600-1	A3795	0.0809								
3/9/2015	CRF	HS2	ML600-1	A3795	0.0806	0.080							
3/17/2015	COB	HS1	ML600-1	A3795	0.0795								
3/17/2015	COB	HS1	ML600-1	A3795	0.0787	0.079							
3/17/2015	COB	HS1	ML600-1	A3795	0.0804								
3/17/2015	COB	HS1	ML600-1	A3795	0.0804	0.080							
3/18/2015	COB	HS1	ML600-1	A3795	0.0793								
3/18/2015	COB	HS1	ML600-1	A3795	0.0798	0.079							
3/18/2015	COB	HS1	ML600-1	A3795	0.08								
3/18/2015	COB	HS1	ML600-1	A3795	0.0808	0.080							
3/24/2015	bmb	HS1	ML600-1	A3795	0.0791								
3/24/2015	bmb	HS1	ML600-1	A3795	0.0781	0.078							
3/24/2015	bmb	HS1	ML600-1	A3795	0.0792								
3/24/2015	bmb	HS1	ML600-1	A3795	0.0798	0.079							
3/31/2015	COB	HS1	ML600-1	A3795	0.0801								
3/31/2015	COB	HS1	ML600-1	A3795	0.0789	0.079							
3/31/2015	COB	HS1	ML600-1	A3795	0.0798								
3/31/2015	COB	HS1	ML600-1	A3795	0.0797	0.079							
4/6/2015	CRF	HS2	ML600-1	A3795	0.0789								
4/6/2015	CRF	HS2	ML600-1	A3795	0.0795	0.079							
4/6/2015	CRF	HS2	ML600-1	A3795	0.0793								
4/6/2015	CRF	HS2	ML600-1	A3795	0.0802	0.079							
4/13/2015	COB	HS1	ML600-1	A3795	0.0791								
4/13/2015	COB	HS1	ML600-1	A3795	0.0795	0.079							
4/13/2015	COB	HS1	ML600-1	A3795	0.0803								
4/13/2015	COB	HS1	ML600-1	A3795	0.0799	0.080							
4/20/2015	BMB	HS1	ML600-1	A3795	0.0795								
4/20/2015	BMB	HS1	ML600-1	A3795	0.0788	0.079							
4/20/2015	BMB	HS1	ML600-1	A3795	0.0796								
4/20/2015	BMB	HS1	ML600-1	A3795	0.0807	0.080							
4/27/2015	BMB	HS1	ML600-1	A3795	0.0781								
4/27/2015	BMB	HS1	ML600-1	A3795	0.0786	0.078							
4/27/2015	BMB	HS1	ML600-1	A3795	0.0795								
4/27/2015	BMB	HS1	ML600-1	A3795	0.0792	0.079							
5/13/2015	BMB	HS1	ML600-1	A3795	0.0789								
5/13/2015	BMB	HS1	ML600-1	A3795	0.0779	0.078							
5/13/2015	BMB	HS1	ML600-1	A3795	0.0788								
5/13/2015	BMB	HS1	ML600-1	A3795	0.0789	0.078							
5/13/2015	BMB	HS1	ML600-1	A3795	0.0795								
5/13/2015	BMB	HS1	ML600-1	A3795	0.0805	0.080							
5/18/2015	COB	HS2	ML600-1	A3795	0.0798								
5/18/2015	COB	HS2	ML600-1	A3795	0.0793	0.079							
5/18/2015	COB	HS2	ML600-1	A3795	0.08								

5/18/2015	COB	HS2	ML600-1	A3795	0.0802	0.080
5/18/2015	bmb	HS1	ML600-1	A3795	0.0771	
5/18/2015	bmb	HS1	ML600-1	A3795	0.0782	0.077
5/18/2015	bmb	HS1	ML600-1	A3795	0.0783	
5/18/2015	bmb	HS1	ML600-1	A3795	0.0795	0.078
5/26/2015	COB	HS2	ML600-1	A3795	0.0792	
5/26/2015	COB	HS2	ML600-1	A3795	0.0792	0.079
5/26/2015	COB	HS2	ML600-1	A3795	0.0804	
5/26/2015	COB	HS2	ML600-1	A3795	0.0796	0.080
6/1/2015	COB	HS2	ML600-1	A3795	0.0789	
6/1/2015	COB	HS2	ML600-1	A3795	0.079	0.078
6/1/2015	COB	HS2	ML600-1	A3795	0.0797	
6/1/2015	COB	HS2	ML600-1	A3795	0.0792	0.079
6/8/2015	CRF	HS2	ML600-1	A3795	0.0788	
6/8/2015	CRF	HS2	ML600-1	A3795	0.078	0.078
6/8/2015	CRF	HS2	ML600-1	A3795	0.0794	
6/8/2015	CRF	HS2	ML600-1	A3795	0.0799	0.079
6/15/2015	bmb	HS2	ML600-1	A3795	0.0785	
6/15/2015	bmb	HS2	ML600-1	A3795	0.0788	0.078
6/15/2015	bmb	HS2	ML600-1	A3795	0.0793	
6/15/2015	bmb	HS2	ML600-1	A3795	0.0795	0.079
6/22/2015	COB	HS2	ML600-1	A3795	0.0789	
6/22/2015	COB	HS2	ML600-1	A3795	0.0788	0.078
6/22/2015	COB	HS2	ML600-1	A3795	0.0805	
6/22/2015	COB	HS2	ML600-1	A3795	0.0804	0.080
6/29/2015	CRF	HS2	ML600-1	A3795	0.0784	
6/29/2015	CRF	HS2	ML600-1	A3795	0.0791	0.078
6/29/2015	CRF	HS2	ML600-1	A3795	0.0792	
6/29/2015	CRF	HS2	ML600-1	A3795	0.0792	0.079
7/6/2015	BMB	HS2	ML600-1	A3795	0.0784	
7/6/2015	BMB	HS2	ML600-1	A3795	0.0781	0.078
7/6/2015	BMB	HS2	ML600-1	A3795	0.0785	
7/6/2015	BMB	HS2	ML600-1	A3795	0.0789	0.078
7/13/2015	COB	HS1	ML600-1	A3795	0.0768	
7/13/2015	COB	HS1	ML600-1	A3795	0.0781	0.077
7/13/2015	COB	HS1	ML600-1	A3795	0.0786	
7/13/2015	COB	HS1	ML600-1	A3795	0.0779	0.078
7/20/2015	CRF	HS2	ML600-1	A3795	0.0787	
7/20/2015	CRF	HS2	ML600-1	A3795	0.0779	0.078
7/20/2015	CRF	HS2	ML600-1	A3795	0.0785	
7/20/2015	CRF	HS2	ML600-1	A3795	0.0789	0.078
7/27/2015	COB	HS1	ML600-1	A3795	0.0782	
7/27/2015	COB	HS1	ML600-1	A3795	0.0775	0.077
7/27/2015	COB	HS1	ML600-1	A3795	0.0781	
7/27/2015	COB	HS1	ML600-1	A3795	0.0791	0.078
8/3/2015	CRF	HS2	ML600-1	A3795	0.0782	
8/3/2015	CRF	HS2	ML600-1	A3795	0.0777	0.077
8/3/2015	CRF	HS2	ML600-1	A3795	0.0783	
8/3/2015	CRF	HS2	ML600-1	A3795	0.0789	0.078
8/11/2015	CRF	HS2	ML600-1	A3795	0.0785	
8/11/2015	CRF	HS2	ML600-1	A3795	0.078	0.078
8/11/2015	CRF	HS2	ML600-1	A3795	0.0785	
8/11/2015	CRF	HS2	ML600-1	A3795	0.0787	0.078
8/17/2015	COB	HS1	ML600-1	A3795	0.0783	
8/17/2015	COB	HS1	ML600-1	A3795	0.0784	0.078
8/17/2015	COB	HS1	ML600-1	A3795	0.0789	
8/17/2015	COB	HS1	ML600-1	A3795	0.0789	0.078
8/18/2015	COB	HS1	ML600-1	A3795	0.0778	
8/18/2015	COB	HS1	ML600-1	A3795	0.0775	0.077
8/18/2015	COB	HS1	ML600-1	A3795	0.078	
8/18/2015	COB	HS1	ML600-1	A3795	0.0791	0.078
8/24/2015	bmb	HS2	ML600-1	A3795	0.0764	
8/24/2015	bmb	HS2	ML600-1	A3795	0.0762	0.076
8/24/2015	bmb	HS2	ML600-1	A3795	0.0776	
8/24/2015	bmb	HS2	ML600-1	A3795	0.0769	0.077
8/31/2015	bmb	HS1	ML600-1	A3795	0.0783	
8/31/2015	bmb	HS1	ML600-1	A3795	0.0791	0.078
8/31/2015	bmb	HS1	ML600-1	A3795	0.079	
8/31/2015	bmb	HS1	ML600-1	A3795	0.0788	0.078

9/9/2015	CRF	HS2	Wilma	A3795	0.0776	
9/9/2015	CRF	HS2	Wilma	A3795	0.078	0.077
9/9/2015	CRF	HS2	Wilma	A3795	0.079	
9/9/2015	CRF	HS2	Wilma	A3795	0.0786	0.078
9/14/2015	COB	HS1	Wilma	A3795	0.0793	
9/14/2015	COB	HS1	Wilma	A3795	0.078	0.078
9/14/2015	COB	HS1	Wilma	A3795	0.0805	
9/14/2015	COB	HS1	Wilma	A3795	0.0793	0.079
9/22/2015	bmb	HS1	Wilma	A3795	0.078	
9/22/2015	bmb	HS1	Wilma	A3795	0.0785	0.078
9/22/2015	bmb	HS1	Wilma	A3795	0.0791	
9/22/2015	bmb	HS1	Wilma	A3795	0.0786	0.078
9/28/2015	CRF	HS2	Wilma	A3795	0.078	
9/28/2015	CRF	HS2	Wilma	A3795	0.0774	0.077
9/28/2015	CRF	HS2	Wilma	A3795	0.0793	
9/28/2015	CRF	HS2	Wilma	A3795	0.0785	0.078
10/5/2015	COB	HS2	Wilma	A3795	0.0778	
10/5/2015	COB	HS2	Wilma	A3795	0.0781	0.077
10/5/2015	COB	HS2	Wilma	A3795	0.0794	
10/5/2015	COB	HS2	Wilma	A3795	0.0787	0.079

Blood Matrix QC Reproducibility Data (Lot A4958)

N=	17	Mean=	0.0785	SD=	0.0007	SD*2=	0.0014	%RSD=	0.9	%RSD*2	1.8	%Bias	-3.1
Date	**Anaylst**	**Instrument**	**Pipetter**	**Lot**	**Value (.081)**	**Reported**							
9/14/2015	COB	HS1	Wilma	A4958	0.0804								
9/14/2015	COB	HS1	Wilma	A4958	0.0796	0.080							
10/13/2015	bmb	HS2	Wilma	A4958	0.0781								
10/13/2015	bmb	HS2	Wilma	A4958	0.0776	0.077							
10/13/2015	bmb	HS2	Wilma	A4958	0.0791								
10/13/2015	bmb	HS2	Wilma	A4958	0.0794	0.079							
10/20/2015	CRF	HS2	Wilma	A4958	0.0781								
10/20/2015	CRF	HS2	Wilma	A4958	0.0784	0.078							
10/20/2015	CRF	HS2	Wilma	A4958	0.0793								
10/20/2015	CRF	HS2	Wilma	A4958	0.0799	0.079							
10/27/2015	COB	HS1	Wilma	A4958	0.0793								
10/27/2015	COB	HS1	Wilma	A4958	0.0789	0.079							
10/27/2015	COB	HS1	Wilma	A4958	0.0802								
10/27/2015	COB	HS1	Wilma	A4958	0.0793	0.079							
11/4/2015	bmb	HS2	Wilma	A4958	0.0784								
11/4/2015	bmb	HS2	Wilma	A4958	0.0779	0.078							
11/4/2015	bmb	HS2	Wilma	A4958	0.0793								
11/4/2015	bmb	HS2	Wilma	A4958	0.0792	0.079							
11/16/2015	COB	HS2	Wilma	A4958	0.0790								
11/16/2015	COB	HS2	Wilma	A4958	0.0780	0.078							
11/16/2015	COB	HS2	Wilma	A4958	0.0800								
11/16/2015	COB	HS2	Wilma	A4958	0.0794	0.079							
11/20/2015	CRF	HS1	Wilma	A4958	0.0786								
11/20/2015	CRF	HS1	Wilma	A4958	0.0780	0.078							
11/20/2015	CRF	HS1	Wilma	A4958	0.0786								
11/20/2015	CRF	HS1	Wilma	A4958	0.0794	0.079							
12/4/2015	bmb	HS2	Wilma	A4958	0.0779								
12/4/2015	bmb	HS2	Wilma	A4958	0.0784	0.078							
12/4/2015	bmb	HS2	Wilma	A4958	0.0795								
12/4/2015	bmb	HS2	Wilma	A4958	0.0783	0.078							
12/14/2015	COB	HS1	Wilma	A4958	0.0794								
12/14/2015	COB	HS1	Wilma	A4958	0.0781	0.078							
12/14/2015	COB	HS1	Wilma	A4958	0.0796								
12/14/2015	COB	HS1	Wilma	A4958	0.0790	0.079							