APPENDIX C

Correlations

C1 - Correlations Based on Block Wipe Data as µg/cm^2 Block Wipe and Hand Rub Data as µg/cm^2 Hand

C2 - Correlations Based on Block Wipe Data as µg/cm^2 Test Coupon and Hand Rub Data as µg/cm^2 Hand

SPEARMAN (RANK) CORRELATIONS OF ORIGINAL-SCALE DATA (COMBINED DATA)

The CORR Procedure

ANALYTE=Arsenic

4 Variables:	X Y R AGE

Spearman Correlation Coefficients, N = 677 Prob > |r| under H0: Rho=0				
	X	Y	R	AGE
X	1.00000	0.31396 <.0001	-0.32901 <.0001	0.15405 <.0001
Y	0.31396 <.0001	1.00000	0.76068 <.0001	-0.16782 <.0001
R	-0.32901 <.0001	0.76068 <.0001	1.00000	-0.26630 <.0001
AGE	0.15405 <.0001	-0.16782 <.0001	-0.26630 <.0001	1.00000

X = BLOCK SAMPLE ug/cm2 LX=LOG(X)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

SPEARMAN (RANK) CORRELATIONS OF ORIGINAL-SCALE DATA (COMBINED DATA)

The CORR Procedure

ANALYTE=Chromium

4 Variables:	X Y R AGE

Spearman Correlation Coefficients, N = 679 Prob > |r| under H0: Rho=0				
	X	Y	R	AGE
X	1.00000	0.34259 <.0001	-0.28220 <.0001	0.15749 <.0001
Y	0.34259 <.0001	1.00000	0.77496 <.0001	-0.19333 <.0001
R	-0.28220 <.0001	0.77496 <.0001	1.00000	-0.29751 <.0001
AGE	0.15749 <.0001	-0.19333 <.0001	-0.29751 <.0001	1.00000

X = BLOCK SAMPLE ug/cm2 LX=LOG(X)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

SPEARMAN (RANK) CORRELATIONS OF ORIGINAL-SCALE DATA (COMBINED DATA)

The CORR Procedure

ANALYTE=Copper

4 Variables:	X Y R AGE

Spearman Correlation Coefficients, N = 678 Prob > |r| under H0: Rho=0				
	X	Y	R	AGE
X	1.00000	0.43402 <.0001	-0.25648 <.0001	-0.32136 <.0001
Y	0.43402 <.0001	1.00000	0.72176 <.0001	-0.38080 <.0001
R	-0.25648 <.0001	0.72176 <.0001	1.00000	-0.17805 <.0001
AGE	-0.32136 <.0001	-0.38080 <.0001	-0.17805 <.0001	1.00000

X = BLOCK SAMPLE ug/cm2 LX=LOG(X)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

CORRELATIONS OF LOG-SCALE DATA (COMBINED DATA)

The CORR Procedure

ANALYTE=Arsenic

4 Variables:	LX LY LR AGE

Pearson Correlation Coefficients, N = 677 Prob > |r| under H0: Rho=0				
	LX	LY	LR	AGE
LX	1.00000	0.34035 <.0001	-0.31103 <.0001	0.14320 0.0002
LY	0.34035 <.0001	1.00000	0.78781 <.0001	-0.14072 0.0002
LR	-0.31103 <.0001	0.78781 <.0001	1.00000	-0.23603 <.0001
AGE	0.14320 0.0002	-0.14072 0.0002	-0.23603 <.0001	1.00000

X = BLOCK SAMPLE ug/cm2 LX=LOG(X)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

CORRELATIONS OF LOG-SCALE DATA (COMBINED DATA)

The CORR Procedure

ANALYTE=Chromium

4 Variables:	LX LY LR AGE

Pearson Correlation Coefficients, N = 679 Prob > |r| under H0: Rho=0				
	LX	LY	LR	AGE
LX	1.00000	0.35304 <.0001	-0.28595 <.0001	0.13780 0.0003
LY	0.35304 <.0001	1.00000	0.79559 <.0001	-0.15544 <.0001
LR	-0.28595 <.0001	0.79559 <.0001	1.00000	-0.24843 <.0001
AGE	0.13780 0.0003	-0.15544 <.0001	-0.24843 <.0001	1.00000

X = BLOCK SAMPLE ug/cm2 LX=LOG(X)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

CORRELATIONS OF LOG-SCALE DATA (COMBINED DATA)

The CORR Procedure

ANALYTE=Copper

4 Variables:	LX LY LR AGE

Pearson Correlation Coefficients, N = 678 Prob > |r| under H0: Rho=0				
	LX	LY	LR	AGE
LX	1.00000	0.43182 <.0001	-0.26976 <.0001	-0.22296 <.0001
LY	0.43182 <.0001	1.00000	0.75203 <.0001	-0.31874 <.0001
LR	-0.26976 <.0001	0.75203 <.0001	1.00000	-0.17735 <.0001
AGE	-0.22296 <.0001	-0.31874 <.0001	-0.17735 <.0001	1.00000

X = BLOCK SAMPLE ug/cm2 LX=LOG(X)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)