DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: R

ANALYTE=Arsenic

Moments			
N	677	Sum Weights	677
Mean	0.25068349	Sum Observations	169.712725
Std Deviation	0.2962892	Variance	0.08778729
Skewness	4.29644517	Kurtosis	28.8861146
Uncorrected SS	101.888385	Corrected SS	59.3442061
Coeff Variation	118.192543	Std Error Mean	0.01138732

Basic Statistical Measures			
Location		Variability	
Mean	0.250683	Std Deviation	0.29629
Median	0.153465	Variance	0.08779
Mode	.	Range	3.35846
		Interquartile Range	0.20705

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	22.01427	Pr > |t|	<.0001
Sign	M	338.5	Pr >= |M|	<.0001
Signed Rank	S	114751.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	3.3738467
99%	1.6907984
95%	0.7363354
90%	0.5398758
75% Q3	0.2968998
50% Median	0.1534653
25% Q1	0.0898545

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: R

ANALYTE=Arsenic

Quantiles (Definition 5)	
Quantile	Estimate
10%	0.0573485
5%	0.0429458
1%	0.0234198
0% Min	0.0153877

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.0153877	C10329R	603	1.77035	C107464	222
0.0162537	C11047O	447	1.98966	C106701	263
0.0169033	C11176W	336	2.12807	C107599	230
0.0176995	C10334O	607	2.36131	C10801U	195
0.0179716	C11058R	456	3.37385	C11035K	329

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LR

ANALYTE=Arsenic

Moments			
N	677	Sum Weights	677
Mean	-1.7925248	Sum Observations	-1213.5393
Std Deviation	0.87626805	Variance	0.7678457
Skewness	0.23647057	Kurtosis	0.06970125
Uncorrected SS	2694.36301	Corrected SS	519.063692
Coeff Variation	-48.88457	Std Error Mean	0.03367772

Basic Statistical Measures			
Location		Variability	
Mean	-1.79252	Std Deviation	0.87627
Median	-1.87428	Variance	0.76785
Mode	.	Range	5.39024
		Interquartile Range	1.19520

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-53.2258	Pr > |t|	<.0001
Sign	M	-322.5	Pr >= |M|	<.0001
Signed Rank	S	-114011	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.216054
99%	0.525201
95%	-0.306070
90%	-0.616416
75% Q3	-1.214361
50% Median	-1.874281
25% Q1	-2.409564

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LR

ANALYTE=Arsenic

Quantiles (Definition 5)	
Quantile	Estimate
10%	-2.858608
5%	-3.147817
1%	-3.754172
0% Min	-4.174186

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-4.17419	C10329R	603	0.571175	C107464	222
-4.11943	C11047O	447	0.687962	C106701	263
-4.08024	C11176W	336	0.755217	C107599	230
-4.03422	C10334O	607	0.859215	C10801U	195
-4.01896	C11058R	456	1.216054	C11035K	329

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: B

ANALYTE=Arsenic

Moments			
N	677	Sum Weights	677
Mean	0.27577614	Sum Observations	186.700445
Std Deviation	0.18401334	Variance	0.03386091
Skewness	2.29790758	Kurtosis	7.83863933
Uncorrected SS	74.3775009	Corrected SS	22.8899735
Coeff Variation	66.7256192	Std Error Mean	0.00707221

Basic Statistical Measures			
Location		Variability	
Mean	0.275776	Std Deviation	0.18401
Median	0.226656	Variance	0.03386
Mode	0.166560	Range	1.34379
		Interquartile Range	0.18490

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	38.99435	Pr > |t|	<.0001
Sign	M	338.5	Pr >= |M|	<.0001
Signed Rank	S	114751.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.3900800
99%	1.1424000
95%	0.5927040
90%	0.4825920
75% Q3	0.3379200
50% Median	0.2266560
25% Q1	0.1530240

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: B

ANALYTE=Arsenic

Quantiles (Definition 5)	
Quantile	Estimate
10%	0.1140480
5%	0.0959616
1%	0.0719712
0% Min	0.0462912

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.0462912	C10984G	551	1.17024	C108467	154
0.0490752	C109619	542	1.20864	C108478	155
0.0527904	C113900	413	1.22592	C10515R	271
0.0625189	C10156O	633	1.30272	C10710S	114
0.0675168	C10985H	552	1.39008	C10709Z	113

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LB

ANALYTE=Arsenic

Moments			
N	677	Sum Weights	677
Mean	-1.4604973	Sum Observations	-988.75665
Std Deviation	0.57398189	Variance	0.32945521
Skewness	0.26696497	Kurtosis	-0.0644005
Uncorrected SS	1666.7881	Corrected SS	222.711721
Coeff Variation	-39.300443	Std Error Mean	0.02205992

Basic Statistical Measures			
Location		Variability	
Mean	-1.46050	Std Deviation	0.57398
Median	-1.48432	Variance	0.32946
Mode	-1.79240	Range	3.40216
		Interquartile Range	0.79221

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-66.2059	Pr > |t|	<.0001
Sign	M	-330.5	Pr >= |M|	<.0001
Signed Rank	S	-114670	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.329361
99%	0.133131
95%	-0.523060
90%	-0.728584
75% Q3	-1.084946
50% Median	-1.484322
25% Q1	-1.877161

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LB

ANALYTE=Arsenic

Quantiles (Definition 5)	
Quantile	Estimate
10%	-2.171136
5%	-2.343807
1%	-2.631489
0% Min	-3.072803

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-3.07280	C10984G	551	0.157209	C108467	154
-3.01440	C109619	542	0.189496	C108478	155
-2.94143	C113900	413	0.203692	C10515R	271
-2.77229	C10156O	633	0.264454	C10710S	114
-2.69538	C10985H	552	0.329361	C10709Z	113

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: Y

ANALYTE=Arsenic

Moments			
N	677	Sum Weights	677
Mean	0.06077718	Sum Observations	41.1461513
Std Deviation	0.10364413	Variance	0.01074211
Skewness	13.4749892	Kurtosis	263.99522
Uncorrected SS	9.76241071	Corrected SS	7.26166364
Coeff Variation	170.531325	Std Error Mean	0.00398337

Basic Statistical Measures			
Location		Variability	
Mean	0.060777	Std Deviation	0.10364
Median	0.034781	Variance	0.01074
Mode	.	Range	2.18664
		Interquartile Range	0.04922

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	15.25774	Pr > |t|	<.0001
Sign	M	338.5	Pr >= |M|	<.0001
Signed Rank	S	114751.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	2.18858773
99%	0.36556919
95%	0.18559235
90%	0.12766288
75% Q3	0.06900593
50% Median	0.03478100
25% Q1	0.01978916

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: Y

ANALYTE=Arsenic

Quantiles (Definition 5)	
Quantile	Estimate
10%	0.01399725
5%	0.01142279
1%	0.00550667
0% Min	0.00195051

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.00195051	C11176W	336	0.383592	C10516S	272
0.00393333	C10334O	607	0.417023	C10688B	93
0.00441525	C10166Q	659	0.451211	C10709Z	113
0.00487892	C10215I	639	0.468443	C106916	96
0.00488000	C10321J	595	2.188588	C10710S	114

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LY

ANALYTE=Arsenic

Moments			
N	677	Sum Weights	677
Mean	-3.2530221	Sum Observations	-2202.296
Std Deviation	0.88568155	Variance	0.78443181
Skewness	0.39982319	Kurtosis	0.41959312
Uncorrected SS	7694.39326	Corrected SS	530.275902
Coeff Variation	-27.226423	Std Error Mean	0.03403951

Basic Statistical Measures			
Location		Variability	
Mean	-3.25302	Std Deviation	0.88568
Median	-3.35868	Variance	0.78443
Mode	.	Range	7.02292
		Interquartile Range	1.24906

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-95.5661	Pr > |t|	<.0001
Sign	M	-337.5	Pr >= |M|	<.0001
Signed Rank	S	-114750	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.783256
99%	-1.006300
95%	-1.684203
90%	-2.058362
75% Q3	-2.673563
50% Median	-3.358684
25% Q1	-3.922621

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LY

ANALYTE=Arsenic

Quantiles (Definition 5)	
Quantile	Estimate
10%	-4.268894
5%	-4.472144
1%	-5.201796
0% Min	-6.239665

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-6.23967	C11176W	336	-0.958176	C10516S	272
-5.53827	C10334O	607	-0.874614	C10688B	93
-5.42269	C10166Q	659	-0.795821	C10709Z	113
-5.32283	C10215I	639	-0.758341	C106916	96
-5.32261	C10321J	595	0.783256	C10710S	114

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: R

ANALYTE=Chromium

Moments			
N	679	Sum Weights	679
Mean	0.18522885	Sum Observations	125.770391
Std Deviation	0.20947408	Variance	0.04387939
Skewness	3.81950526	Kurtosis	22.9328823
Uncorrected SS	53.0465309	Corrected SS	29.7502258
Coeff Variation	113.089335	Std Error Mean	0.00803888

Basic Statistical Measures			
Location		Variability	
Mean	0.185229	Std Deviation	0.20947
Median	0.113715	Variance	0.04388
Mode	.	Range	2.21797
		Interquartile Range	0.15532

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	23.04163	Pr > |t|	<.0001
Sign	M	339.5	Pr >= |M|	<.0001
Signed Rank	S	115430	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	2.2274073
99%	1.0815251
95%	0.5407605
90%	0.4158018
75% Q3	0.2242953
50% Median	0.1137147
25% Q1	0.0689726

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: R

ANALYTE=Chromium

Quantiles (Definition 5)	
Quantile	Estimate
10%	0.0425665
5%	0.0296400
1%	0.0151029
0% Min	0.0094340

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.0094340	C11176W	337	1.22090	C107599	231
0.0102236	C109255	424	1.44090	C107464	223
0.0108791	C11057Q	457	1.52243	C106701	264
0.0113616	C10798G	193	1.63563	C10801U	196
0.0116784	C10334O	609	2.22741	C11035K	330

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LR

ANALYTE=Chromium

Moments			
N	679	Sum Weights	679
Mean	-2.0927864	Sum Observations	-1421.002
Std Deviation	0.88763401	Variance	0.78789414
Skewness	0.11814472	Kurtosis	0.10029126
Uncorrected SS	3508.04581	Corrected SS	534.192227
Coeff Variation	-42.41398	Std Error Mean	0.03406427

Basic Statistical Measures			
Location		Variability	
Mean	-2.09279	Std Deviation	0.88763
Median	-2.17406	Variance	0.78789
Mode	.	Range	5.46427
		Interquartile Range	1.17925

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-61.4364	Pr > |t|	<.0001
Sign	M	-331.5	Pr >= |M|	<.0001
Signed Rank	S	-115294	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.8008383
99%	0.0783722
95%	-0.6147788
90%	-0.8775467
75% Q3	-1.4947916
50% Median	-2.1740629
25% Q1	-2.6740462

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LR

ANALYTE=Chromium

Quantiles (Definition 5)	
Quantile	Estimate
10%	-3.1566871
5%	-3.5186306
1%	-4.1928696
0% Min	-4.6634354

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-4.66344	C11176W	337	0.199590	C107599	231
-4.58305	C109255	424	0.365265	C107464	223
-4.52091	C11057Q	457	0.420311	C106701	264
-4.47752	C10798G	193	0.492027	C10801U	196
-4.45001	C10334O	609	0.800838	C11035K	330

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: B

ANALYTE=Chromium

Moments			
N	679	Sum Weights	679
Mean	0.35118409	Sum Observations	238.453998
Std Deviation	0.28391159	Variance	0.08060579
Skewness	7.87948017	Kurtosis	118.580676
Uncorrected SS	138.391976	Corrected SS	54.6507252
Coeff Variation	80.8440913	Std Error Mean	0.01089553

Basic Statistical Measures			
Location		Variability	
Mean	0.351184	Std Deviation	0.28391
Median	0.291648	Variance	0.08061
Mode	0.201312	Range	5.04864
		Interquartile Range	0.23863

The mode displayed is the smallest of 3 modes with a count of 3.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	32.23195	Pr > |t|	<.0001
Sign	M	339.5	Pr >= |M|	<.0001
Signed Rank	S	115430	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	5.1196800
99%	1.3641600
95%	0.7338240
90%	0.6251520
75% Q3	0.4355520

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: B

ANALYTE=Chromium

Quantiles (Definition 5)	
Quantile	Estimate
50% Median	0.2916480
25% Q1	0.1969191
10%	0.1437120
5%	0.1128000
1%	0.0887488
0% Min	0.0710400

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.0710400	C10984G	553	1.37376	C10513P	271
0.0781920	C11323P	384	1.37760	C10710S	114
0.0801600	C11312M	381	1.61856	C108467	154
0.0817344	C11319T	383	1.66464	C108478	155
0.0856512	C10621S	9	5.11968	C10798G	193

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LB

ANALYTE=Chromium

Moments			
N	679	Sum Weights	679
Mean	-1.2255355	Sum Observations	-832.1386
Std Deviation	0.57477609	Variance	0.33036755
Skewness	0.3133398	Kurtosis	0.50823383
Uncorrected SS	1243.80458	Corrected SS	223.989199
Coeff Variation	-46.899995	Std Error Mean	0.02205788

Basic Statistical Measures			
Location		Variability	
Mean	-1.22554	Std Deviation	0.57478
Median	-1.23221	Variance	0.33037
Mode	-1.60290	Range	4.27760
		Interquartile Range	0.79382

The mode displayed is the smallest of 3 modes with a count of 3.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-55.56	Pr > |t|	<.0001
Sign	M	-328.5	Pr >= |M|	<.0001
Signed Rank	S	-114616	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.633092
99%	0.310539
95%	-0.309486
90%	-0.469760
75% Q3	-0.831141

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LB

ANALYTE=Chromium

Quantiles (Definition 5)	
Quantile	Estimate
50% Median	-1.232208
25% Q1	-1.624962
10%	-1.939944
5%	-2.182139
1%	-2.421946
0% Min	-2.644512

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-2.64451	C10984G	553	0.317552	C10513P	271
-2.54859	C11323P	384	0.320343	C10710S	114
-2.52373	C11312M	381	0.481537	C108467	154
-2.50428	C11319T	383	0.509609	C108478	155
-2.45747	C10621S	9	1.633092	C10798G	193

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: Y

ANALYTE=Chromium

Moments			
N	679	Sum Weights	679
Mean	0.05782199	Sum Observations	39.2611337
Std Deviation	0.08925329	Variance	0.00796615
Skewness	9.98279673	Kurtosis	163.20245
Uncorrected SS	7.67120601	Corrected SS	5.40104898
Coeff Variation	154.358713	Std Error Mean	0.00342523

Basic Statistical Measures			
Location		Variability	
Mean	0.057822	Std Deviation	0.08925
Median	0.032306	Variance	0.00797
Mode	.	Range	1.67603
		Interquartile Range	0.04559

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	16.88122	Pr > |t|	<.0001
Sign	M	339.5	Pr >= |M|	<.0001
Signed Rank	S	115430	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.67848787
99%	0.34376940
95%	0.18855578
90%	0.12910164
75% Q3	0.06419192
50% Median	0.03230579
25% Q1	0.01860657

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: Y

ANALYTE=Chromium

Quantiles (Definition 5)	
Quantile	Estimate
10%	0.01243091
5%	0.00966819
1%	0.00605087
0% Min	0.00245525

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.00245525	C11176W	337	0.373775	C10724Y	214
0.00371977	C109255	424	0.386678	C10516S	273
0.00375424	C10166Q	661	0.434947	C10709Z	113
0.00389654	C10215I	641	0.599367	C107464	223
0.00416667	C10334O	609	1.678488	C10710S	114

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LY

ANALYTE=Chromium

Moments			
N	679	Sum Weights	679
Mean	-3.3183219	Sum Observations	-2253.1406
Std Deviation	0.90910983	Variance	0.82648068
Skewness	0.40122126	Kurtosis	0.19677784
Uncorrected SS	8036.99953	Corrected SS	560.353903
Coeff Variation	-27.396674	Std Error Mean	0.03488843

Basic Statistical Measures			
Location		Variability	
Mean	-3.31832	Std Deviation	0.90911
Median	-3.43251	Variance	0.82648
Mode	.	Range	6.52742
		Interquartile Range	1.23836

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-95.1124	Pr > |t|	<.0001
Sign	M	-338.5	Pr >= |M|	<.0001
Signed Rank	S	-115428	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.517893
99%	-1.067784
95%	-1.668361
90%	-2.047155
75% Q3	-2.745878
50% Median	-3.432509
25% Q1	-3.984241

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LY

ANALYTE=Chromium

Quantiles (Definition 5)	
Quantile	Estimate
10%	-4.387569
5%	-4.638915
1%	-5.107553
0% Min	-6.009525

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-6.00952	C11176W	337	-0.984101	C10724Y	214
-5.59409	C109255	424	-0.950162	C10516S	273
-5.58487	C10166Q	661	-0.832532	C10709Z	113
-5.54767	C10215I	641	-0.511882	C107464	223
-5.48064	C10334O	609	0.517893	C10710S	114

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: R

ANALYTE=Copper

Moments			
N	678	Sum Weights	678
Mean	0.29277116	Sum Observations	198.498847
Std Deviation	0.30496034	Variance	0.09300081
Skewness	4.38167114	Kurtosis	32.3672402
Uncorrected SS	121.076288	Corrected SS	62.9615497
Coeff Variation	104.163383	Std Error Mean	0.01171193

Basic Statistical Measures			
Location		Variability	
Mean	0.292771	Std Deviation	0.30496
Median	0.200902	Variance	0.09300
Mode	.	Range	3.72588
		Interquartile Range	0.20691

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	24.99768	Pr > |t|	<.0001
Sign	M	339	Pr >= |M|	<.0001
Signed Rank	S	115090.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	3.73327985
99%	1.46702114
95%	0.82601955
90%	0.58661606
75% Q3	0.33801431
50% Median	0.20090235
25% Q1	0.13109936

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: R

ANALYTE=Copper

Quantiles (Definition 5)	
Quantile	Estimate
10%	0.08783046
5%	0.06952174
1%	0.03754185
0% Min	0.00739921

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.00739921	C10354S	580	1.65390	C107599	230
0.01575714	C11180S	339	1.82928	C106701	263
0.02839683	C11179Z	338	2.04547	C10710S	114
0.03436055	C109255	422	2.58121	C10801U	195
0.03616157	C114721	504	3.73328	C11035K	329

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LR

ANALYTE=Copper

Moments			
N	678	Sum Weights	678
Mean	-1.5407583	Sum Observations	-1044.6341
Std Deviation	0.75808413	Variance	0.57469154
Skewness	0.23426411	Kurtosis	0.92543585
Uncorrected SS	1998.59479	Corrected SS	389.066173
Coeff Variation	-49.202016	Std Error Mean	0.02911405

Basic Statistical Measures			
Location		Variability	
Mean	-1.54076	Std Deviation	0.75808
Median	-1.60494	Variance	0.57469
Mode	.	Range	6.22367
		Interquartile Range	0.94713

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-52.9215	Pr > |t|	<.0001
Sign	M	-312	Pr >= |M|	<.0001
Signed Rank	S	-114075	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.317287
99%	0.383234
95%	-0.191137
90%	-0.533385
75% Q3	-1.084667
50% Median	-1.604938
25% Q1	-2.031800

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LR

ANALYTE=Copper

Quantiles (Definition 5)	
Quantile	Estimate
10%	-2.432347
5%	-2.666116
1%	-3.282299
0% Min	-4.906382

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-4.90638	C10354S	580	0.503139	C107599	230
-4.15046	C11180S	339	0.603924	C106701	263
-3.56148	C11179Z	338	0.715626	C10710S	114
-3.37085	C109255	422	0.948260	C10801U	195
-3.31976	C114721	504	1.317287	C11035K	329

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: B

ANALYTE=Copper

Moments			
N	678	Sum Weights	678
Mean	0.20361247	Sum Observations	138.049256
Std Deviation	0.13602406	Variance	0.01850254
Skewness	3.14103569	Kurtosis	18.9493738
Uncorrected SS	40.6347726	Corrected SS	12.5262222
Coeff Variation	66.8053653	Std Error Mean	0.00522397

Basic Statistical Measures			
Location		Variability	
Mean	0.203612	Std Deviation	0.13602
Median	0.167401	Variance	0.01850
Mode	0.138432	Range	1.47852
		Interquartile Range	0.13488

The mode displayed is the smallest of 3 modes with a count of 3.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	38.97656	Pr > |t|	<.0001
Sign	M	339	Pr >= |M|	<.0001
Signed Rank	S	115090.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	1.5177600
99%	0.6464640
95%	0.4436160
90%	0.3660480
75% Q3	0.2517120

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: B

ANALYTE=Copper

Quantiles (Definition 5)	
Quantile	Estimate
50% Median	0.1674013
25% Q1	0.1168320
10%	0.0871104
5%	0.0716160
1%	0.0567168
0% Min	0.0392448

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.0392448	C109302	427	0.865920	C111880	395
0.0392640	C10989L	557	0.918528	C11182U	389
0.0456480	C10990E	558	1.019520	C11175V	335
0.0481331	C10213G	639	1.094400	C11180S	339
0.0508929	C10350O	576	1.517760	C11054N	453

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LB

ANALYTE=Copper

Moments			
N	678	Sum Weights	678
Mean	-1.7536613	Sum Observations	-1188.9824
Std Deviation	0.55398422	Variance	0.30689852
Skewness	0.290164	Kurtosis	0.1450189
Uncorrected SS	2292.84269	Corrected SS	207.770295
Coeff Variation	-31.590149	Std Error Mean	0.02127564

Basic Statistical Measures			
Location		Variability	
Mean	-1.75366	Std Deviation	0.55398
Median	-1.78736	Variance	0.30690
Mode	-1.97738	Range	3.65517
		Interquartile Range	0.76755

The mode displayed is the smallest of 3 modes with a count of 3.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-82.4258	Pr > |t|	<.0001
Sign	M	-336	Pr >= |M|	<.0001
Signed Rank	S	-115081	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.417236
99%	-0.436238
95%	-0.812796
90%	-1.004991
75% Q3	-1.379470

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LB

ANALYTE=Copper

Quantiles (Definition 5)	
Quantile	Estimate
50% Median	-1.787362
25% Q1	-2.147018
10%	-2.440579
5%	-2.636437
1%	-2.869685
0% Min	-3.237936

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-3.23794	C109302	427	-0.1439628	C111880	395
-3.23745	C10989L	557	-0.0849829	C11182U	389
-3.08680	C10990E	558	0.0193319	C11175V	335
-3.03379	C10213G	639	0.0902063	C11180S	339
-2.97803	C10350O	576	0.4172356	C11054N	453

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: Y

ANALYTE=Copper

Moments			
N	678	Sum Weights	678
Mean	0.05333301	Sum Observations	36.1597784
Std Deviation	0.0601415	Variance	0.003617
Skewness	4.3347468	Kurtosis	30.7725449
Uncorrected SS	4.37721842	Corrected SS	2.44870872
Coeff Variation	112.765997	Std Error Mean	0.00230972

Basic Statistical Measures			
Location		Variability	
Mean	0.053333	Std Deviation	0.06014
Median	0.033706	Variance	0.00362
Mode	.	Range	0.67440
		Interquartile Range	0.04091

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	23.09068	Pr > |t|	<.0001
Sign	M	339	Pr >= |M|	<.0001
Signed Rank	S	115090.5	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	0.67557432
99%	0.30683832
95%	0.15194602
90%	0.11448781
75% Q3	0.06109474
50% Median	0.03370597
25% Q1	0.02018478

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: Y

ANALYTE=Copper

Quantiles (Definition 5)	
Quantile	Estimate
10%	0.01480217
5%	0.01226043
1%	0.00827139
0% Min	0.00117630

Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
0.00117630	C10354S	580	0.336644	C11015G	309
0.00305639	C10215I	641	0.338863	C11175V	335
0.00382309	C109255	422	0.339705	C10604R	45
0.00682667	C10329R	605	0.610106	C10710S	114
0.00756834	C11057Q	456	0.675574	C11035K	329

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LY

ANALYTE=Copper

Moments			
N	678	Sum Weights	678
Mean	-3.2944196	Sum Observations	-2233.6165
Std Deviation	0.80932812	Variance	0.65501201
Skewness	0.39348415	Kurtosis	0.42465259
Uncorrected SS	7801.91297	Corrected SS	443.443128
Coeff Variation	-24.566638	Std Error Mean	0.03108206

Basic Statistical Measures			
Location		Variability	
Mean	-3.29442	Std Deviation	0.80933
Median	-3.39008	Variance	0.65501
Mode	.	Range	6.35319
		Interquartile Range	1.10750

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-105.991	Pr > |t|	<.0001
Sign	M	-339	Pr >= |M|	<.0001
Signed Rank	S	-115091	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Quantile	Estimate
100% Max	-0.392192
99%	-1.181434
95%	-1.884230
90%	-2.167287
75% Q3	-2.795330
50% Median	-3.390081
25% Q1	-3.902827

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

DISTRIBUTIONS (COMBINED DATA)

The UNIVARIATE Procedure
Variable: LY

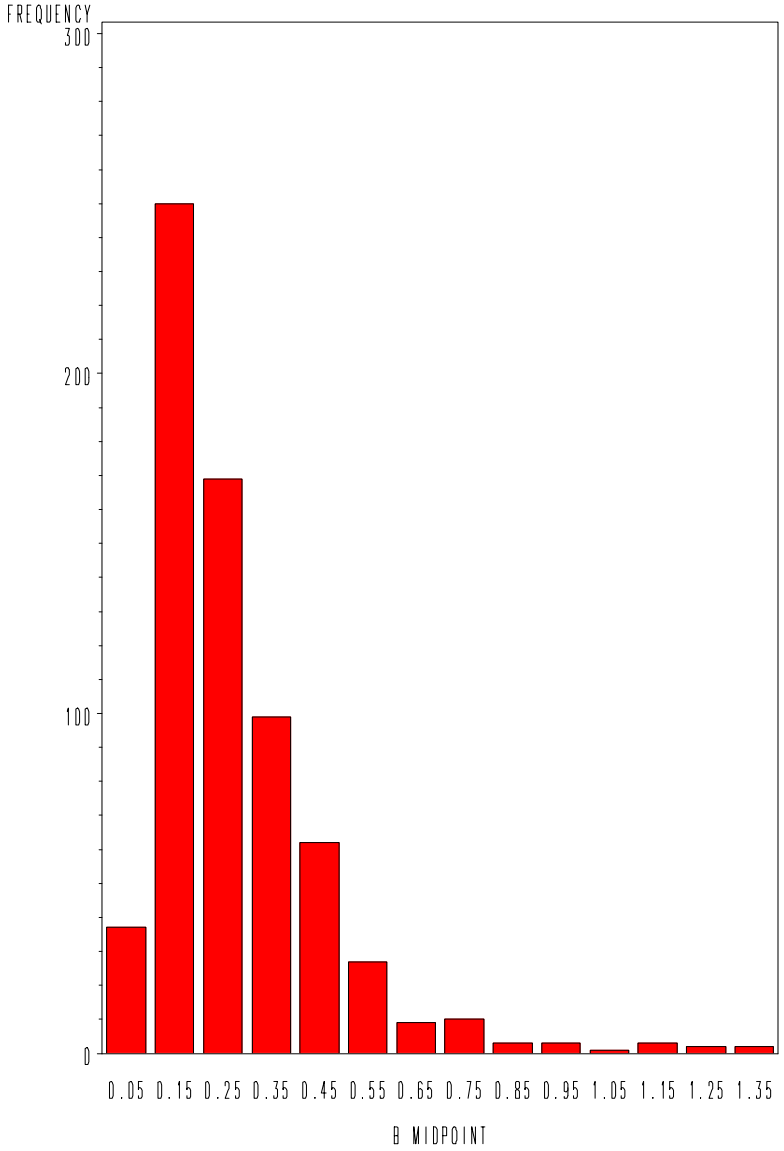
ANALYTE=Copper

Quantiles (Definition 5)	
Quantile	Estimate
10%	-4.212981
5%	-4.401378
1%	-4.794952
0% Min	-6.745385

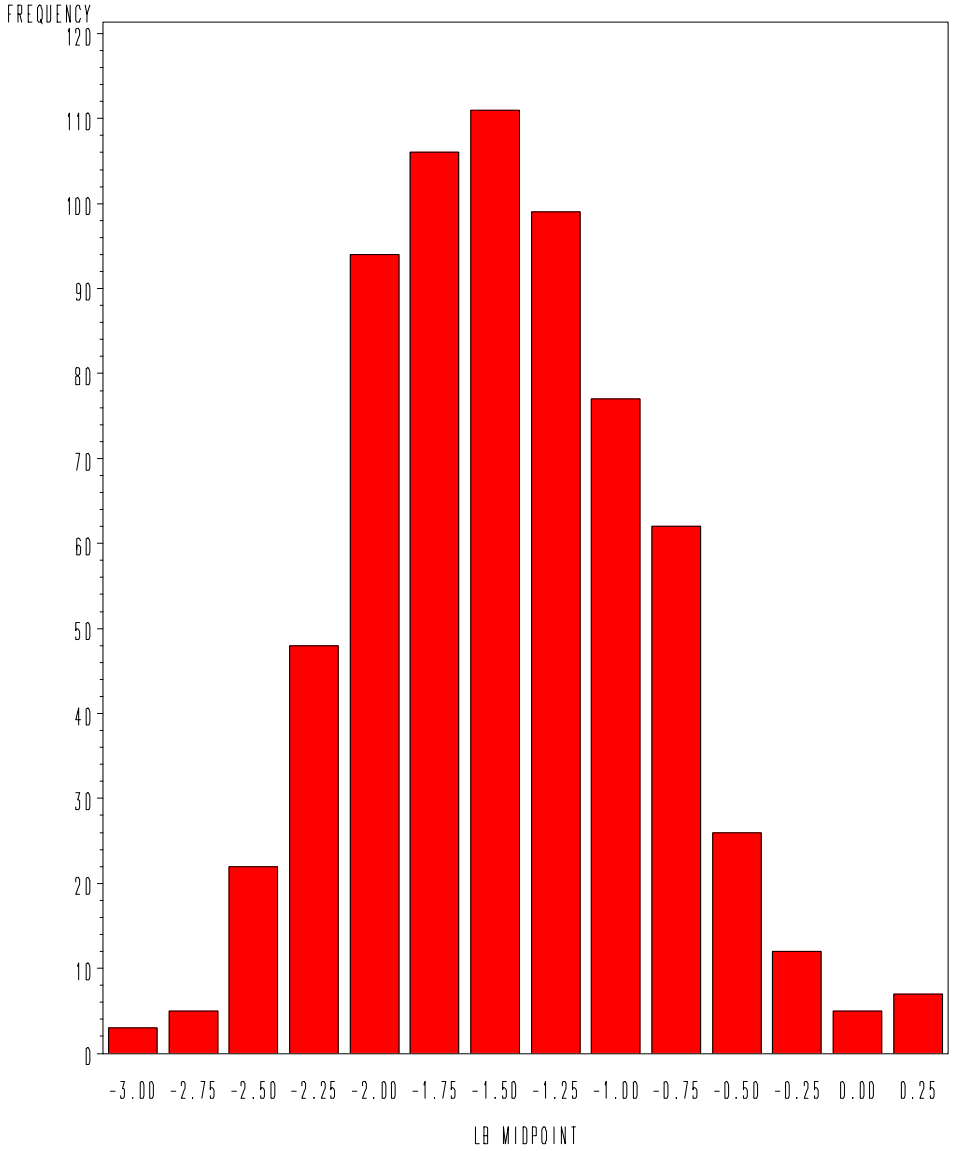
Extreme Observations					
Lowest			Highest		
Value	COUPONID	Obs	Value	COUPONID	Obs
-6.74538	C10354S	580	-1.088729	C11015G	309
-5.79052	C10215I	641	-1.082159	C11175V	335
-5.56670	C109255	422	-1.079678	C10604R	45
-4.98692	C10329R	605	-0.494123	C10710S	114
-4.88378	C11057Q	456	-0.392192	C11035K	329

B = BLOCK SAMPLE ug/cm2 LB=LOG(B)
Y = HAND SAMPLE (TOTAL) ug/cm2 LY=LOG(Y)
R = HAND / BLOCK LR=LOG(R)

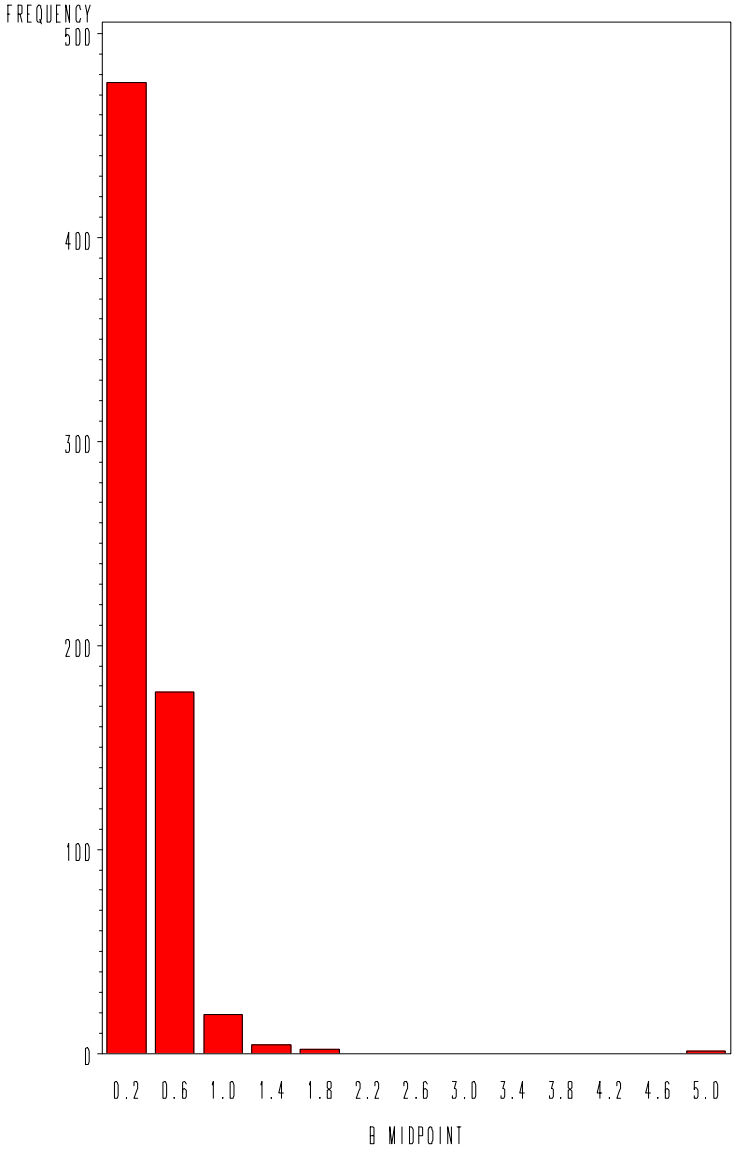
BLOCK DISTRIBUTION FOR ARSENIC (COMBINED DATA)



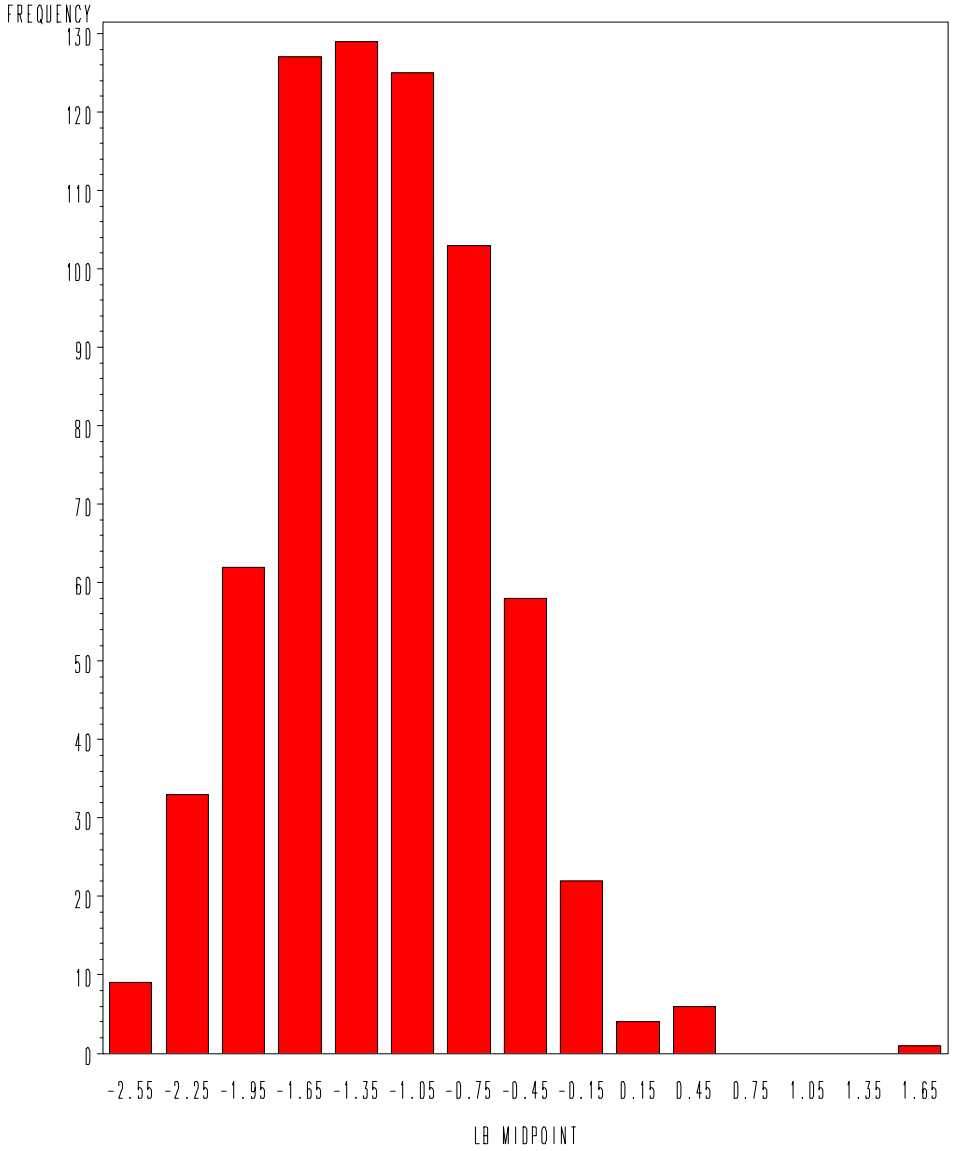
BLOCK DISTRIBUTION FOR ARSENIC (COMBINED DATA)



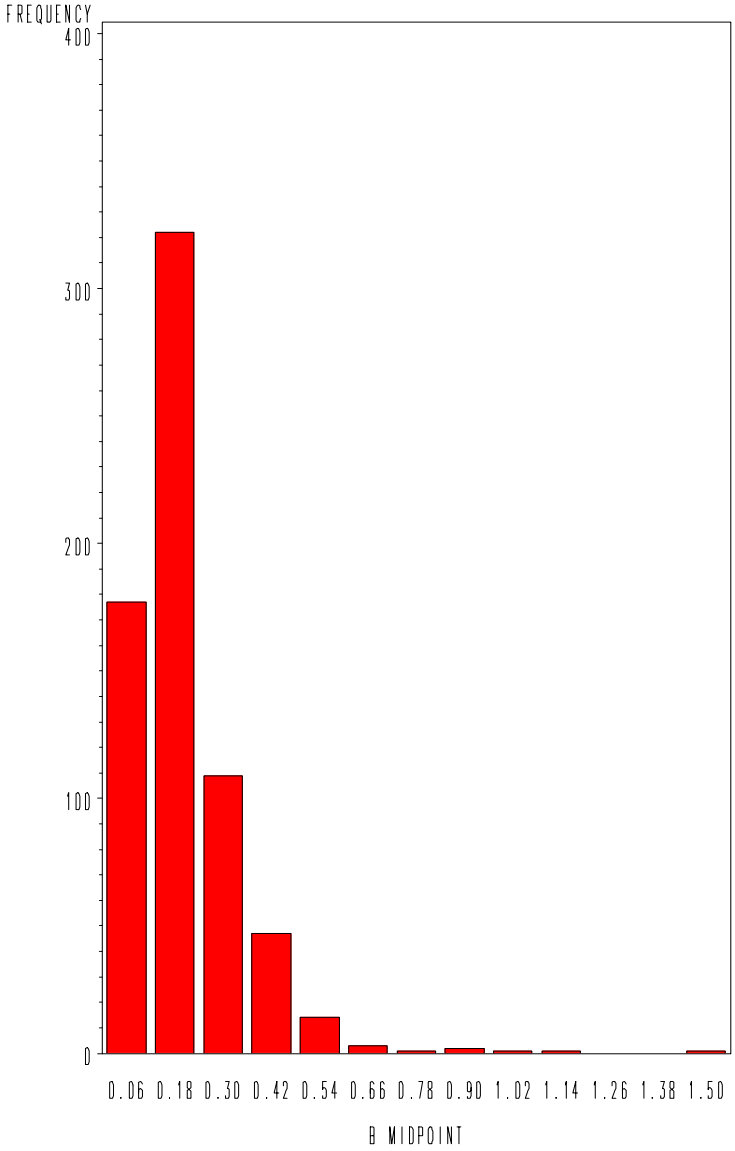
BLOCK DISTRIBUTION FOR CHROMIUM (COMBINED DATA)



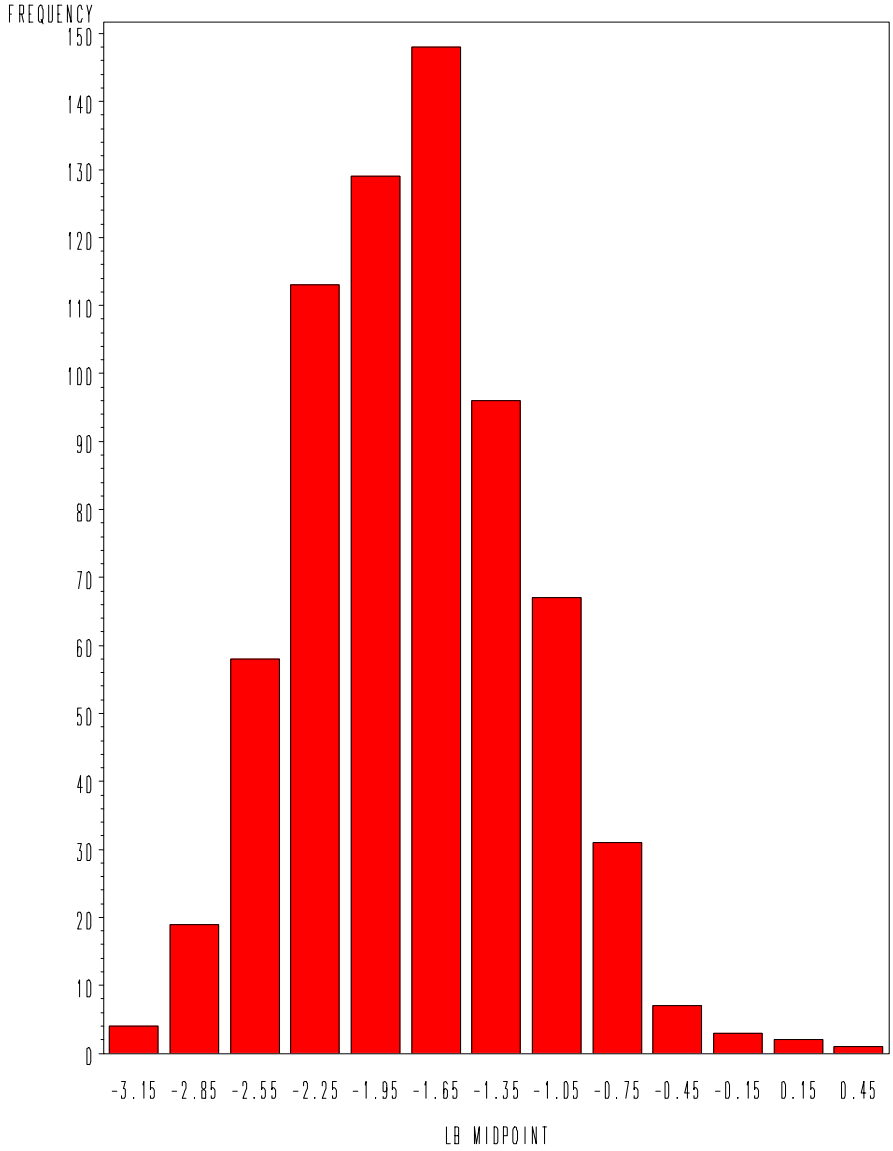
BLOCK DISTRIBUTION FOR CHROMIUM (COMBINED DATA)



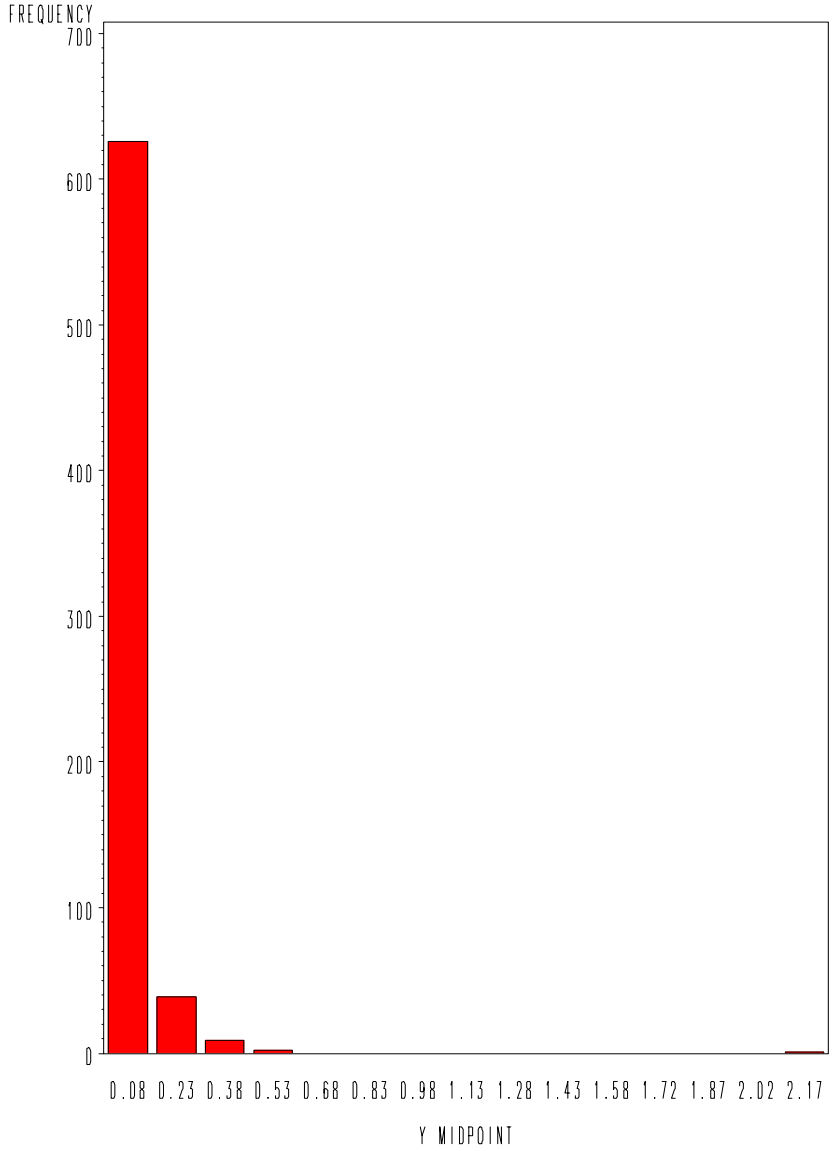
BLOCK DISTRIBUTION FOR COPPER (COMBINED DATA)



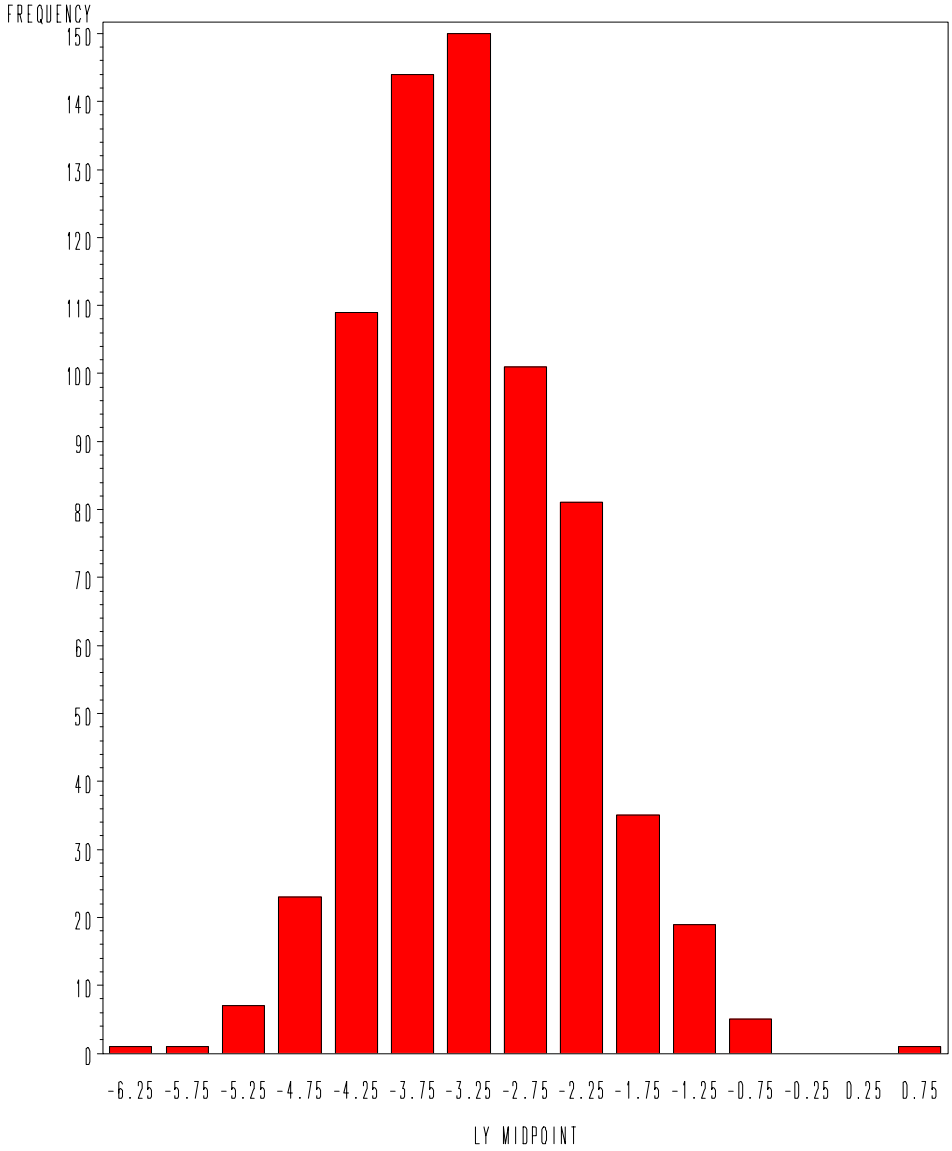
BLOCK DISTRIBUTION FOR COPPER (COMBINED DATA)



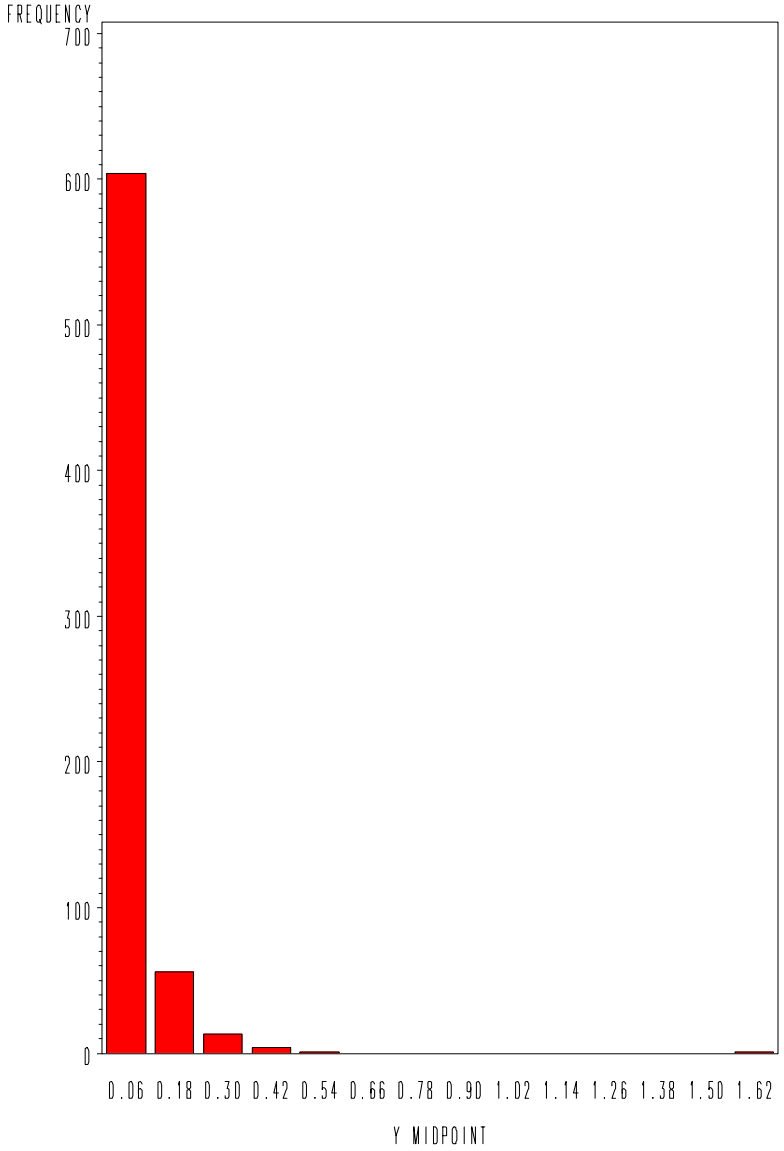
HAND DISTRIBUTION FOR ARSENIC (COMBINED DATA)



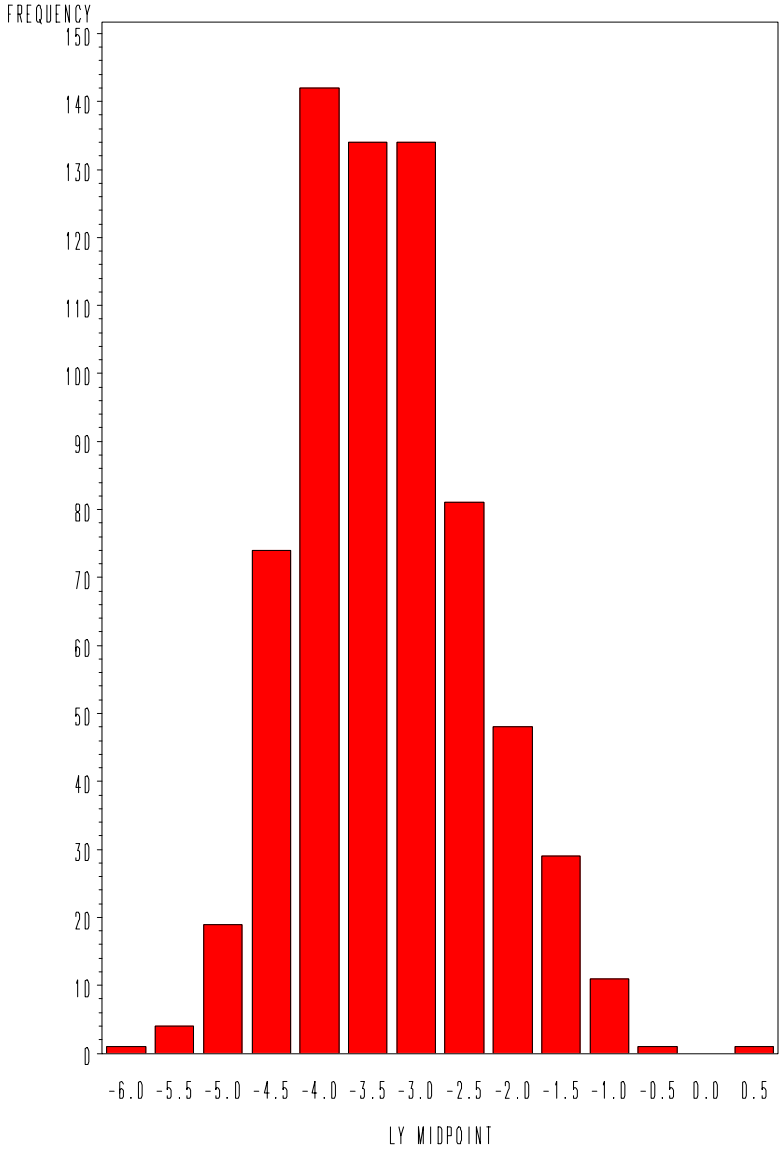
HAND DISTRIBUTION FOR ARSENIC (COMBINED DATA)



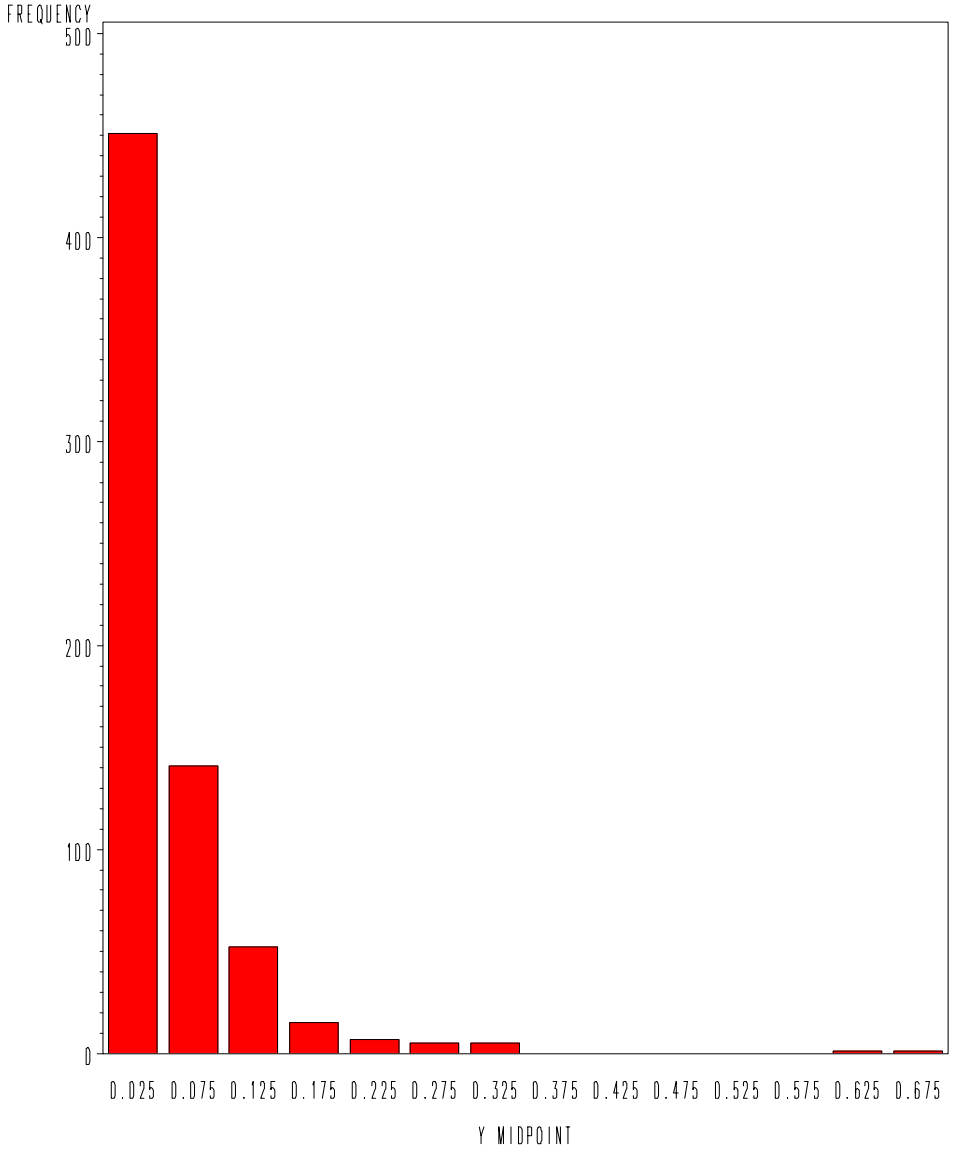
HAND DISTRIBUTION FOR CHROMIUM (COMBINED DATA)



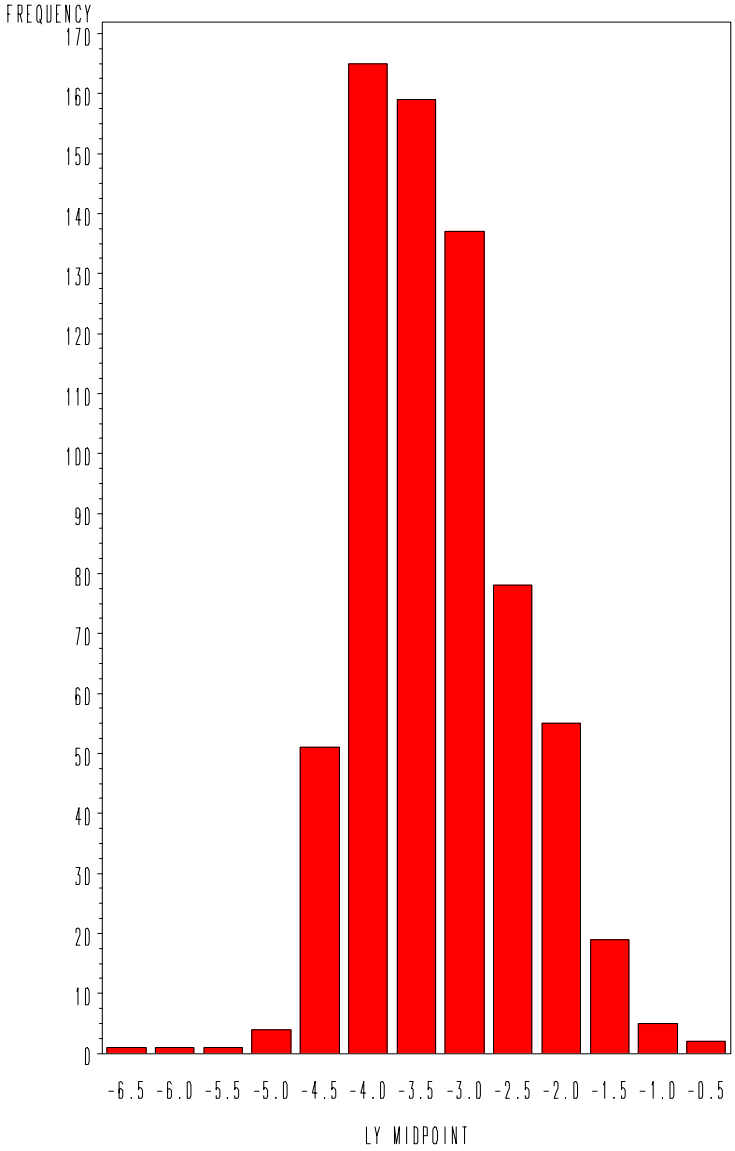
HAND DISTRIBUTION FOR CHROMIUM (COMBINED DATA)



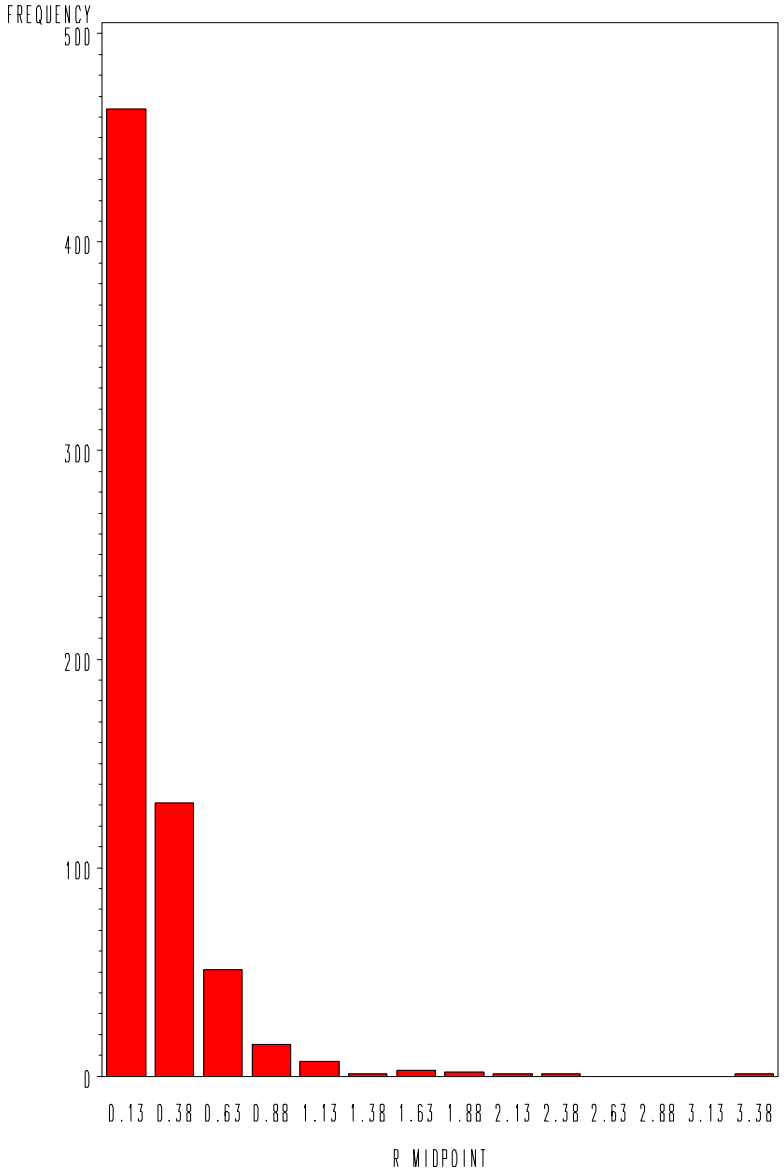
HAND DISTRIBUTION FOR COPPER (COMBINED DATA)



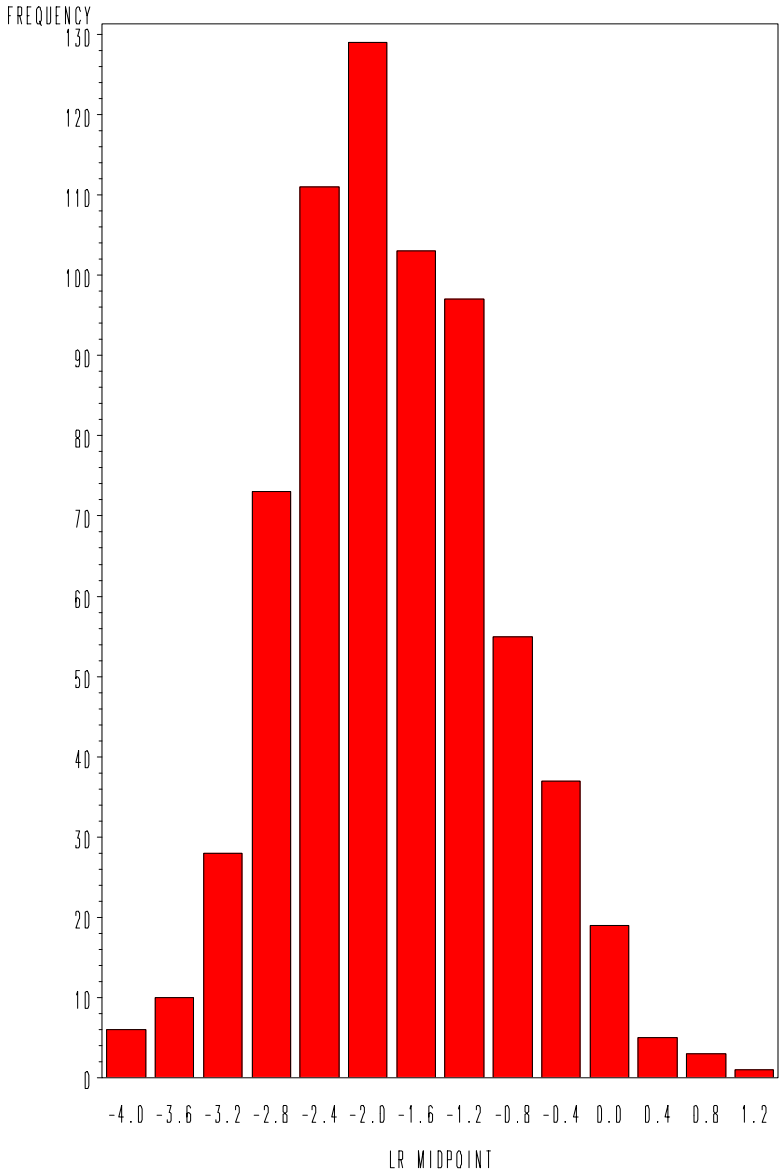
HAND DISTRIBUTION FOR COPPER (COMBINED DATA)



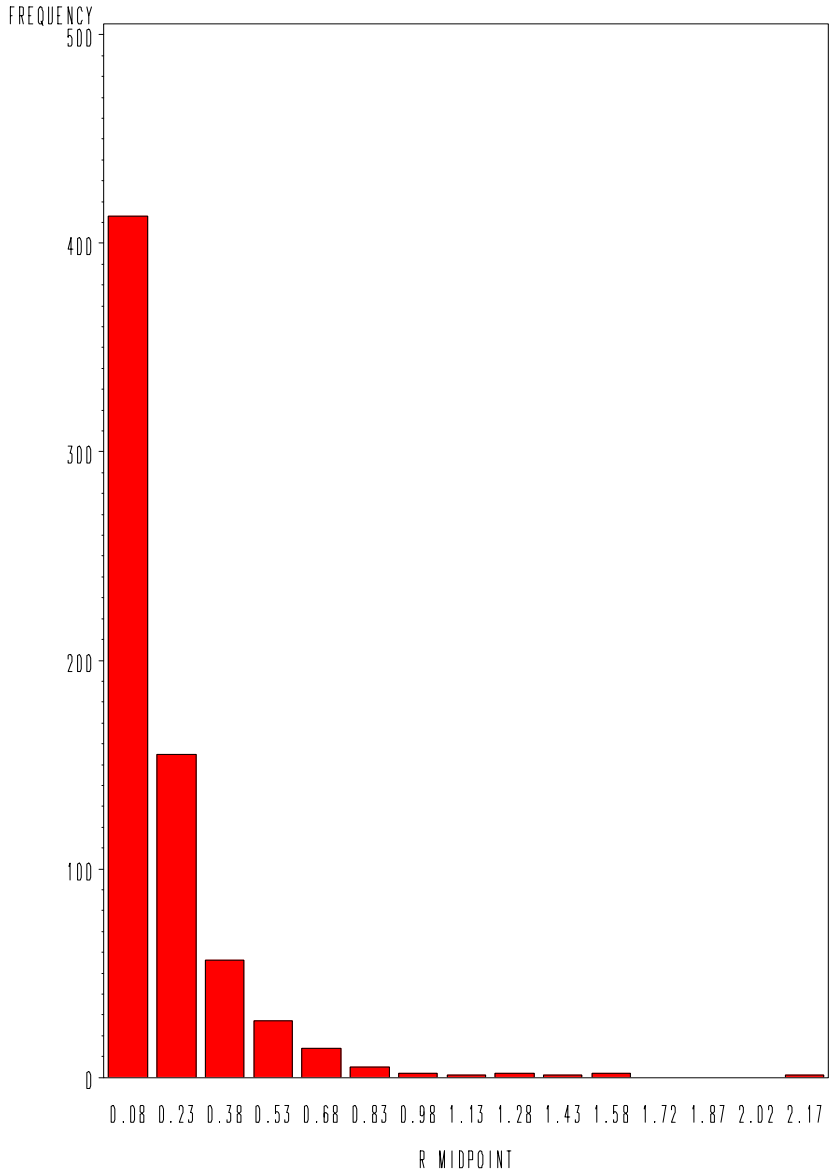
TRANSFER FACTOR DISTRIBUTION FOR ARSENIC (COMBINED DATA)



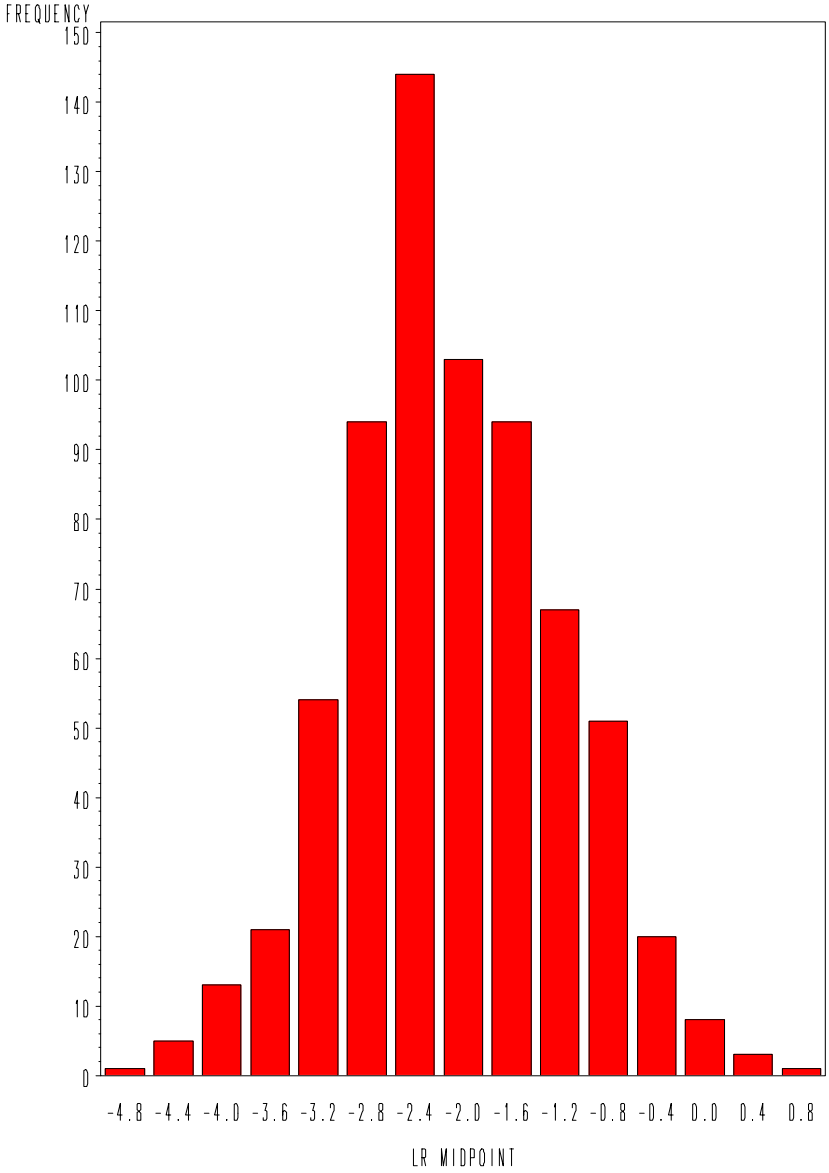
TRANSFER FACTOR DISTRIBUTION FOR ARSENIC (COMBINED DATA)



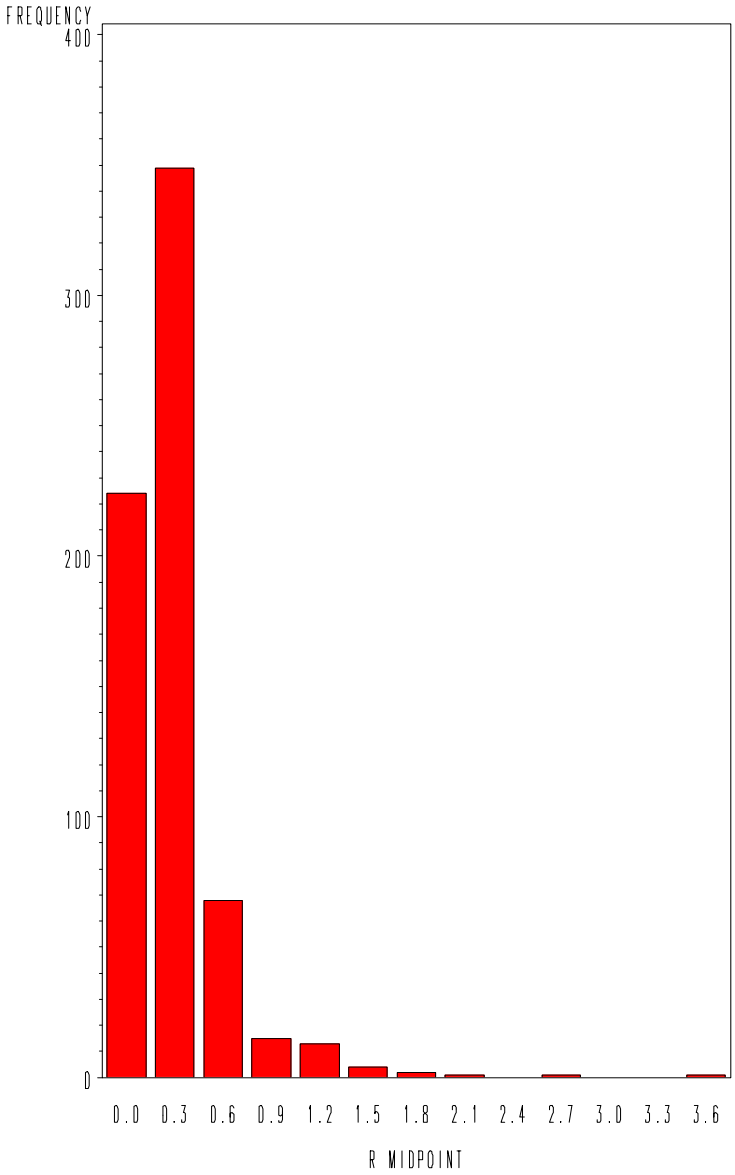
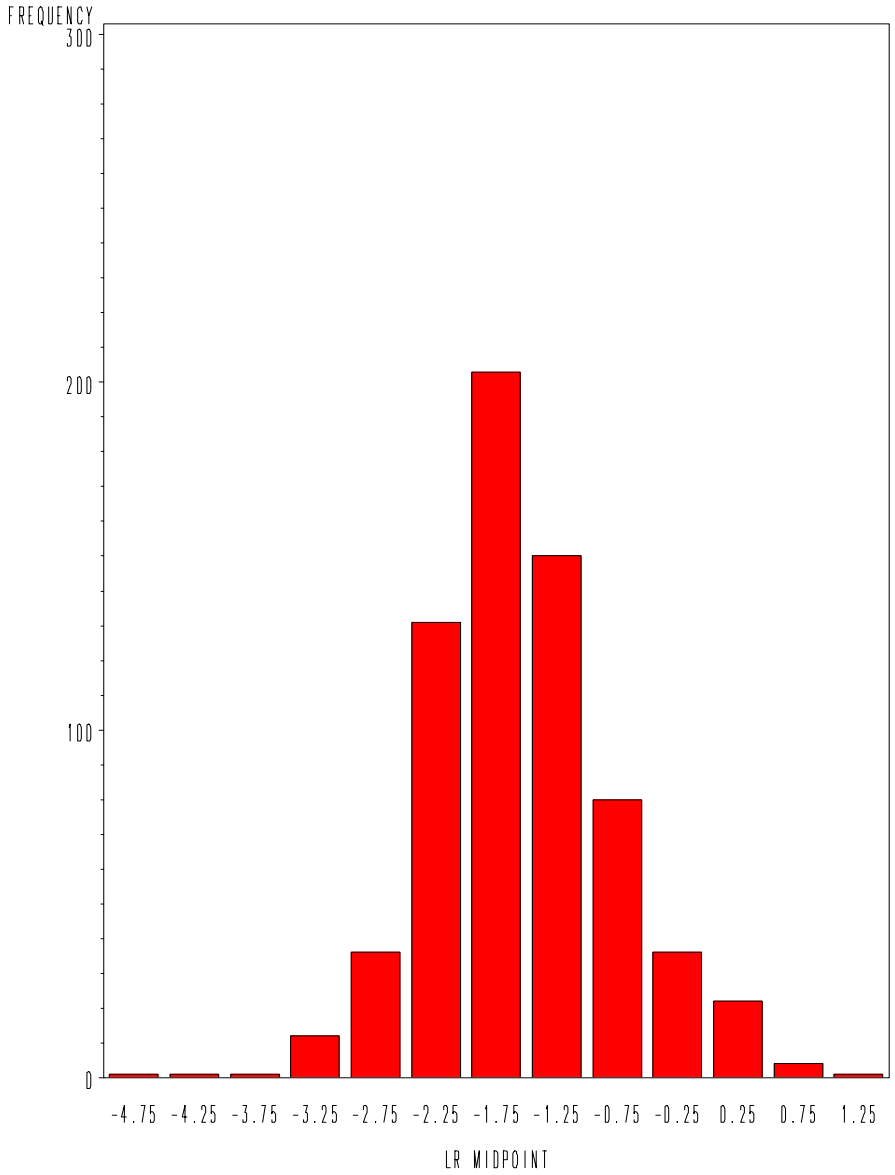
TRANSFER FACTOR DISTRIBUTION FOR CHROMIUM (COMBINED DATA)



TRANSFER FACTOR DISTRIBUTION FOR CHROMIUM (COMBINED DATA)



TRANSFER FACTOR DISTRIBUTION FOR COPPER (COMBINED DATA)



TRANSFER FACTOR DISTRIBUTION FOR COPPER (COMBINED DATA)