

SWIM LAKE --- FREQUENCY ANALYSIS OF COPPER, LEAD, AND ZINC VALUES

VARIABLE: 1 -- COPPER

 * ANALYSIS USING LOG BASE 10 OF VALUES *

ANALYSIS 1 OF 2 -- ALL DATA WITHIN THE RANGE: 0. - 1000000.000

NUMBER OF SAMPLES READ --- 2079
 MISSING DATA ----- 0
 VALUES ABOVE CUTOFF -- 0
 NUMBER USED IN ANALYSIS -- 2079

RANGE: 1.000 TO 9344.999

MEAN: 13.881
 ST. DEV.: *log* 2.183

INTERVAL	NUMBER	%	CULM.%
1.000 TO	1.581	6	.29
1.585 TO	2.506	27	1.59
2.512 TO	3.972	25	1.20
3.981 TO	6.295	262	12.60
6.310 TO	9.977	301	14.48
10.000 TO	15.812	585	28.14
15.849 TO	25.061	493	23.71
25.119 TO	39.719	211	10.15
39.811 TO	62.951	105	5.05
63.096 TO	99.770	44	2.12
100.000 TO	158.125	12	.58
158.489 TO	250.611	4	.19
251.189 TO	397.192	0	0.
398.107 TO	629.506	1	.05
630.957 TO	997.700	1	.05
1000.000 TO	1581.248	0	0.
1584.893 TO	2506.109	0	0.
2511.886 TO	3971.915	0	0.
3981.071 TO	6295.061	0	0.
6309.573 TO	9977.000	2	.10

A Z-VALUE = 39.719 ACCOUNTS FOR AT LEAST 95% OF THE DATA

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SWIM LAKE -- FREQUENCY ANALYSIS OF COPPER, LEAD, AND ZINC VALUES

VARIABLE: 2 -- LEAD

 * ANALYSIS USING LOG BASE 10 OF VALUES *

ANALYSIS 1 OF 2 -- ALL DATA WITHIN THE RANGE: 0. - 1000000.000

NUMBER OF SAMPLES READ --- 2079
 MISSING DATA ----- 3
 VALUES ABOVE CUTOFF -- 0
 NUMBER USED IN ANALYSIS -- 2076

RANGE: 1.000 TO 229.000

MEAN: 11.551
 ST. DEV.: 2.031

INTERVAL	NUMBER	%	CULM.%
1.000 TO 1.256	44	2.12	2.12
1.259 TO 1.581	0	0.	2.12
1.585 TO 1.991	0	0.	2.12
1.995 TO 2.506	27	1.30	3.42
2.512 TO 3.155	37	1.78	5.20
3.162 TO 3.972	0	0.	5.20
3.981 TO 5.000	120	5.78	10.98
5.012 TO 6.295	104	5.01	15.99
6.310 TO 7.925	48	2.31	18.30
7.943 TO 9.977	264	12.72	31.02
10.000 TO 12.560	429	20.66	51.69
12.589 TO 15.812	356	17.15	68.83
15.849 TO 19.907	262	12.62	81.45
19.953 TO 25.061	186	8.96	90.41
25.119 TO 31.550	88	4.24	94.65
31.623 TO 39.719	64	3.08	97.74
39.811 TO 50.003	12	.58	98.31
50.119 TO 62.951	14	.67	98.99
63.096 TO 79.250	8	.39	99.37
79.433 TO 99.770	2	.10	99.47
100.000 TO 125.603	5	.24	99.71
125.893 TO 158.125	4	.19	99.90
158.489 TO 199.067	1	.05	99.95
199.526 TO 250.611	1	.05	100.00

A Z-VALUE = 31.550 ACCOUNTS FOR AT LEAST 95% OF THE DATA

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SWIM LAKE -- FREQUENCY ANALYSIS OF COPPER, LEAD, AND ZINC VALUES

VARIABLE: 2 -- LEAD

 * ANALYSIS USING LOG BASE 10 OF VALUES *

ANALYSIS 2 OF 2 -- REANALYSIS OF THAT DATA WHICH ACCOUNTS FOR
 AT LEAST 95% OF THE DATA USES IN ANALYSIS 1
 THE VALUE CUTOFF ADJUSTED TO: 31.550

NUMBER OF SAMPLES READ --- 2079
 MISSING DATA ----- 3
 VALUES ABOVE CUTOFF -- 111
 NUMBER USED IN ANALYSIS -- 1965

RANGE: 1,000 TO 31,000

MEAN: 10.686
 ST. DEV.: 1.892

INTERVAL	NUMBER	%	CULM.%
1,000 TO	1,119	44	2.24
1,122 TO	1,256	0	0.
1,259 TO	1,409	0	0.
1,413 TO	1,581	0	0.
1,585 TO	1,774	0	0.
1,778 TO	1,991	0	0.
1,995 TO	2,234	27	1.37
2,239 TO	2,506	0	0.
2,512 TO	2,812	0	0.
2,818 TO	3,155	37	1.88
3,162 TO	3,540	0	0.
3,548 TO	3,972	0	0.
3,981 TO	4,457	50	2.54
4,467 TO	5,000	70	3.56
5,012 TO	5,610	0	0.
5,623 TO	6,295	104	5.29
6,310 TO	7,063	48	2.44
7,079 TO	7,925	0	0.
7,943 TO	8,892	163	8.30
8,913 TO	9,977	101	5.14
10,000 TO	11,194	297	15.11
11,220 TO	12,560	132	6.72
12,589 TO	14,093	262	13.33
14,125 TO	15,812	94	4.78
15,849 TO	17,742	136	6.92
17,783 TO	19,907	126	6.41
19,953 TO	22,336	126	6.41
22,387 TO	25,061	60	3.05

25.119 TO	28.119	56	2.85	98.37
28.184 TO	31.550	32	1.63	100.00

A Z-VALUE = 22.336 ACCOUNTS FOR AT LEAST 95% OF THE DATA

SWIM LAKE -- FREQUENCY ANALYSIS OF COPPER, LEAD, AND ZINC VALUES

VARIABLE: 3 -- ZINC

 * ANALYSIS USING LOG BASE 10 OF VALUES *

ANALYSIS 1 OF 2 -- ALL DATA WITHIN THE RANGE: 0. - 1000000.000

NUMBER OF SAMPLES READ --- 2079
 MISSING DATA ----- 0
 VALUES ABOVE CUTOFF -- 0
 NUMBER USED IN ANALYSIS -- 2079

RANGE: 3.000 TO 1000.000

MEAN: 64.093
 ST. DEV.: 1.852

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INTERVAL	NUMBER	%	CULM.%
2.512 TO 3.155	1	.05	.05
3.162 TO 3.972	0	0.	.05
3.981 TO 5.000	5	.24	.29
5.012 TO 6.295	3	.14	.43
6.310 TO 7.925	1	.05	.48
7.943 TO 9.977	3	.14	.63
10.000 TO 12.560	4	.19	.82
12.589 TO 15.812	7	.34	1.15
15.849 TO 19.907	17	.82	1.97
19.953 TO 25.061	50	2.41	4.38
25.119 TO 31.550	85	4.09	8.47
31.623 TO 39.719	200	9.62	18.09
39.811 TO 50.003	346	16.64	34.73
50.119 TO 62.951	386	18.57	53.29
63.096 TO 79.250	327	15.73	69.02
79.433 TO 99.770	213	10.25	79.27
100.000 TO 125.603	170	8.18	87.45
125.893 TO 158.125	115	5.53	92.98
158.489 TO 199.067	62	2.98	95.96
199.526 TO 250.611	34	1.64	97.59
251.189 TO 315.500	22	1.06	98.65
316.228 TO 397.191	18	.87	99.52
398.107 TO 500.035	3	.14	99.66
501.187 TO 629.506	1	.05	99.71
630.957 TO 792.501	1	.05	99.76
794.328 TO 997.700	2	.10	99.86
1000.000 TO 1256.030	3	.14	100.00

A Z-VALUE = 158.125 ACCOUNTS FOR AT LEAST 95% OF THE DATA

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SWIM LAKE -- FREQUENCY ANALYSIS OF COPPER, LEAD, AND ZINC VALUES

VARIABLE: 3 -- ZINC

 * ANALYSIS USING LOG BASE 10 OF VALUES *

ANALYSIS 2 OF 2 -- REANALYSIS OF THAT DATA WHICH ACCOUNTS FOR
 AT LEAST 95% OF THE DATA USES IN ANALYSIS 1
 THE VALUE CUTOFF ADJUSTED TO: 158.125

NUMBER OF SAMPLES READ --- 2079
 MISSING DATA ----- 0
 VALUES ABOVE CUTOFF -- 146
 NUMBER USED IN ANALYSIS -- 1933

RANGE: 3.000 TO 158.000

MEAN: 58.043
 ST. DEV.: 1.661

INTERVAL	NUMBER	%	CULM.%
2.512 TO	3.155	1	.05
3.162 TO	3.972	0	0.
3.981 TO	5.000	5	.26
5.012 TO	6.295	3	.16
6.310 TO	7.925	1	.05
7.943 TO	9.977	3	.16
10.000 TO	12.560	4	.21
12.589 TO	15.812	7	.36
15.849 TO	19.907	17	.88
19.953 TO	25.061	50	2.59
25.119 TO	31.550	85	4.40
31.623 TO	39.719	200	10.35
39.811 TO	50.003	346	17.90
50.119 TO	62.951	386	19.97
63.096 TO	79.250	327	16.92
79.433 TO	99.770	213	11.02
100.000 TO	125.603	170	8.79
125.893 TO	158.125	115	5.95

A Z-VALUE = 125.603 ACCOUNTS FOR AT LEAST 95% OF THE DATA