

APPENDIX C

PROUCL OUTPUTS FOR DISCRETE SAMPLE DEPTH COMPARISON

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|-------------|--------------|---------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 12:24:28 AM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Aluminum(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Aluminum(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 28 | | | | | | | | |
| 21 | Minimum | | 5858 | 6561 | | | | | | | | |
| 22 | Maximum | | 28940 | 32220 | | | | | | | | |
| 23 | Mean | | 13669 | 14717 | | | | | | | | |
| 24 | Median | | 11990 | 13236 | | | | | | | | |
| 25 | SD | | 5723 | 6672 | | | | | | | | |
| 26 | SE of Mean | | 1063 | 1239 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.642 | -2.003 | 2.003 | 0.523 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 54.7 | -0.642 | -2.004 | 2.004 | 0.523 | | | | | |
| 35 | Pooled SD: 6215.758 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 32758244 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 44513054 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | | F-Test Value | | P-Value | | | | | |
| 46 | 28 | | 28 | | 1.359 | | 0.422 | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:02:31 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Antimony(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Antimony(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 0.303 | 0.325 | | | | | | | | |
| 22 | Maximum | | 18.38 | 10.47 | | | | | | | | |
| 23 | Mean | | 2.048 | 1.688 | | | | | | | | |
| 24 | Median | | 1.144 | 1.13 | | | | | | | | |
| 25 | SD | | 3.383 | 2.056 | | | | | | | | |
| 26 | SE of Mean | | 0.628 | 0.382 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.490 | -2.003 | 2.003 | 0.626 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 46.2 | 0.490 | -2.013 | 2.013 | 0.627 | | | | | |
| 35 | Pooled SD: 2.799 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 11.44 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 4.228 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 2.706 | | 0.010 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances are not equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|-------------|--------------|---------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:00:44 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Arsenic(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Arsenic(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 3.188 | 3.902 | | | | | | | | |
| 22 | Maximum | | 90.36 | 43.25 | | | | | | | | |
| 23 | Mean | | 12.33 | 11.59 | | | | | | | | |
| 24 | Median | | 9.252 | 10.51 | | | | | | | | |
| 25 | SD | | 15.73 | 7.879 | | | | | | | | |
| 26 | SE of Mean | | 2.922 | 1.463 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.226 | -2.003 | 2.003 | 0.822 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 41.2 | 0.226 | -2.020 | 2.020 | 0.822 | | | | | |
| 35 | Pooled SD: 12.442 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 247.5 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 62.08 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | | F-Test Value | | P-Value | | | | | |
| 46 | 28 | | 28 | | 3.988 | | 0.000 | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances are not equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|---|---|--------------|-------------|-------------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:06:01 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Barium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Barium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | | Sample 1 | Sample 2 | | | | | | | |
| 19 | Number of Valid Observations | | | 29 | 29 | | | | | | | |
| 20 | Number of Distinct Observations | | | 29 | 29 | | | | | | | |
| 21 | Minimum | | | 75.01 | 74.46 | | | | | | | |
| 22 | Maximum | | | 1041 | 342.3 | | | | | | | |
| 23 | Mean | | | 197.9 | 176.7 | | | | | | | |
| 24 | Median | | | 154.4 | 173.9 | | | | | | | |
| 25 | SD | | | 174.7 | 68.04 | | | | | | | |
| 26 | SE of Mean | | | 32.45 | 12.63 | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | | t-Test | Lower C.Val | Upper C.Val | | | | | | |
| 32 | Method | | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.610 | -2.003 | 2.003 | 0.544 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 36.3 | 0.610 | -2.028 | 2.028 | 0.545 | | | | | |
| 35 | Pooled SD: 132.599 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | | 30536 | | | | | | | | |
| 43 | Variance of Sample 2 | | | 4629 | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 6.597 | | 0.000 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances are not equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:08:22 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Beryllium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Beryllium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 0.256 | 0.287 | | | | | | | | |
| 22 | Maximum | | 0.79 | 0.872 | | | | | | | | |
| 23 | Mean | | 0.47 | 0.5 | | | | | | | | |
| 24 | Median | | 0.454 | 0.51 | | | | | | | | |
| 25 | SD | | 0.154 | 0.172 | | | | | | | | |
| 26 | SE of Mean | | 0.0286 | 0.0319 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.690 | -2.003 | 2.003 | 0.493 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.3 | -0.690 | -2.004 | 2.004 | 0.493 | | | | | |
| 35 | Pooled SD: 0.163 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 0.0237 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 0.0296 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | P-Value | | | | | | | |
| 46 | 28 | | 28 | 1.251 | 0.557 | | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:12:59 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Cadmium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Cadmium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 0.78 | 0.728 | | | | | | | | |
| 22 | Maximum | | 16.08 | 13.88 | | | | | | | | |
| 23 | Mean | | 3.274 | 2.925 | | | | | | | | |
| 24 | Median | | 2.24 | 2.399 | | | | | | | | |
| 25 | SD | | 3.145 | 2.799 | | | | | | | | |
| 26 | SE of Mean | | 0.584 | 0.52 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.446 | -2.003 | 2.003 | 0.658 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.3 | 0.446 | -2.004 | 2.004 | 0.658 | | | | | |
| 35 | Pooled SD: 2.977 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 9.891 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 7.832 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | P-Value | | | | | | | |
| 46 | 28 | | 28 | 1.263 | 0.541 | | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|---|---|---|----------|----------|---|---|---|---|---|---|
| 1 | Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Uncensor Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:35:39 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean/Median = Sample 2 Mean/Median (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean/Median <> Sample 2 Mean/Median | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Calcium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Calcium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | Raw Statistics | | | | | | | | | | | |
| 17 | | | | | Sample 1 | Sample 2 | | | | | | |
| 18 | Number of Valid Observations | | | | 29 | 29 | | | | | | |
| 19 | Number of Distinct Observations | | | | 29 | 29 | | | | | | |
| 20 | Minimum | | | | 2943 | 2662 | | | | | | |
| 21 | Maximum | | | | 24379 | 12046 | | | | | | |
| 22 | Mean | | | | 6396 | 5521 | | | | | | |
| 23 | Median | | | | 4702 | 4134 | | | | | | |
| 24 | SD | | | | 4728 | 3084 | | | | | | |
| 25 | SE of Mean | | | | 878 | 572.7 | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | Wilcoxon-Mann-Whitney (WMW) Test | | | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | H0: Mean/Median of Sample 1 = Mean/Median of Sample 2 | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | Sample 1 Rank Sum W-Stat | | | | 915 | | | | | | | |
| 32 | WMW U-Stat | | | | 480 | | | | | | | |
| 33 | Standardized WMW U-Stat | | | | 0.918 | | | | | | | |
| 34 | Mean (U) | | | | 420.5 | | | | | | | |
| 35 | SD(U) - Adj ties | | | | 64.3 | | | | | | | |
| 36 | Lower Approximate U-Stat Critical Value (0.025) | | | | -1.96 | | | | | | | |
| 37 | Upper Approximate U-Stat Critical Value (0.975) | | | | 1.96 | | | | | | | |
| 38 | P-Value (Adjusted for Ties) | | | | 0.359 | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 42 | | | | | | | | | | | | |
| 43 | P-Value >= alpha (0.05) | | | | | | | | | | | |
| 44 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|-------------|--------------|---------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:18:48 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Chromium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Chromium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 10.5 | 11.02 | | | | | | | | |
| 22 | Maximum | | 47.76 | 51.58 | | | | | | | | |
| 23 | Mean | | 19.05 | 19.83 | | | | | | | | |
| 24 | Median | | 17.51 | 18.27 | | | | | | | | |
| 25 | SD | | 7.024 | 7.798 | | | | | | | | |
| 26 | SE of Mean | | 1.304 | 1.448 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.400 | -2.003 | 2.003 | 0.691 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.4 | -0.400 | -2.004 | 2.004 | 0.691 | | | | | |
| 35 | Pooled SD: 7.421 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 49.34 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 60.81 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | | F-Test Value | | P-Value | | | | | |
| 46 | 28 | | 28 | | 1.232 | | 0.584 | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:48:25 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Cobalt(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Cobalt(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 28 | 29 | | | | | | | | |
| 21 | Minimum | | 3.037 | 3.346 | | | | | | | | |
| 22 | Maximum | | 13.14 | 13.98 | | | | | | | | |
| 23 | Mean | | 6.146 | 6.443 | | | | | | | | |
| 24 | Median | | 5.669 | 5.958 | | | | | | | | |
| 25 | SD | | 1.946 | 2.046 | | | | | | | | |
| 26 | SE of Mean | | 0.361 | 0.38 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.566 | -2.003 | 2.003 | 0.574 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.9 | -0.566 | -2.003 | 2.003 | 0.574 | | | | | |
| 35 | Pooled SD: 1.997 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 3.787 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 4.187 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 1.106 | | 0.792 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:50:19 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Copper(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Copper(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 9.738 | 10.08 | | | | | | | | |
| 22 | Maximum | | 67.05 | 46.14 | | | | | | | | |
| 23 | Mean | | 21.14 | 21.1 | | | | | | | | |
| 24 | Median | | 17.78 | 17.71 | | | | | | | | |
| 25 | SD | | 11.61 | 9.579 | | | | | | | | |
| 26 | SE of Mean | | 2.156 | 1.779 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.016 | -2.003 | 2.003 | 0.987 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 54.0 | 0.016 | -2.005 | 2.005 | 0.987 | | | | | |
| 35 | Pooled SD: 10.644 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 134.8 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 91.76 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | P-Value | | | | | | | |
| 46 | 28 | | 28 | 1.469 | 0.314 | | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:52:20 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Iron(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Iron(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 28 | | | | | | | | |
| 21 | Minimum | | 10087 | 10767 | | | | | | | | |
| 22 | Maximum | | 28070 | 29120 | | | | | | | | |
| 23 | Mean | | 16878 | 17525 | | | | | | | | |
| 24 | Median | | 17040 | 17590 | | | | | | | | |
| 25 | SD | | 3380 | 3555 | | | | | | | | |
| 26 | SE of Mean | | 627.6 | 660.1 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.710 | -2.003 | 2.003 | 0.481 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.9 | -0.710 | -2.003 | 2.003 | 0.481 | | | | | |
| 35 | Pooled SD: 3468.264 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 11422970 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 12634745 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 1.106 | | 0.792 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|---|---|--------------|-------------|-------------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 12:26:42 AM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Lead(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Lead(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | | Sample 1 | Sample 2 | | | | | | | |
| 19 | Number of Valid Observations | | | 29 | 29 | | | | | | | |
| 20 | Number of Distinct Observations | | | 29 | 29 | | | | | | | |
| 21 | Minimum | | | 26.12 | 27.68 | | | | | | | |
| 22 | Maximum | | | 1188 | 429.2 | | | | | | | |
| 23 | Mean | | | 156.7 | 109.1 | | | | | | | |
| 24 | Median | | | 99.6 | 94.18 | | | | | | | |
| 25 | SD | | | 221.2 | 91.21 | | | | | | | |
| 26 | SE of Mean | | | 41.08 | 16.94 | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | | t-Test | Lower C.Val | Upper C.Val | | | | | | |
| 32 | Method | | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 1.072 | -2.003 | 2.003 | 0.288 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 37.3 | 1.072 | -2.026 | 2.026 | 0.290 | | | | | |
| 35 | Pooled SD: 169.199 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | | 48937 | | | | | | | | |
| 43 | Variance of Sample 2 | | | 8320 | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 5.882 | | 0.000 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances are not equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|---|---|----------|---|---|---|---|---|---|---|---|
| 1 | Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Uncensor Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:26:40 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean/Median = Sample 2 Mean/Median (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean/Median <> Sample 2 Mean/Median | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Magnesium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Magnesium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | Raw Statistics | | | | | | | | | | | |
| 17 | | | Sample 1 | Sample 2 | | | | | | | | |
| 18 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 19 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 20 | Minimum | | 2196 | 2257 | | | | | | | | |
| 21 | Maximum | | 9489 | 9913 | | | | | | | | |
| 22 | Mean | | 3907 | 3969 | | | | | | | | |
| 23 | Median | | 3623 | 3630 | | | | | | | | |
| 24 | SD | | 1341 | 1428 | | | | | | | | |
| 25 | SE of Mean | | 249.1 | 265.1 | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | Wilcoxon-Mann-Whitney (WMW) Test | | | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | H0: Mean/Median of Sample 1 = Mean/Median of Sample 2 | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | Sample 1 Rank Sum W-Stat | | 834 | | | | | | | | | |
| 32 | WMW U-Stat | | 399 | | | | | | | | | |
| 33 | Standardized WMW U-Stat | | 0.327 | | | | | | | | | |
| 34 | Mean (U) | | 420.5 | | | | | | | | | |
| 35 | SD(U) - Adj ties | | 64.3 | | | | | | | | | |
| 36 | Lower Approximate U-Stat Critical Value (0.025) | | -1.96 | | | | | | | | | |
| 37 | Upper Approximate U-Stat Critical Value (0.975) | | 1.96 | | | | | | | | | |
| 38 | P-Value (Adjusted for Ties) | | 0.744 | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 42 | | | | | | | | | | | | |
| 43 | P-Value >= alpha (0.05) | | | | | | | | | | | |
| 44 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|-------------|--------------|---------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:54:49 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Manganese(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Manganese(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 237.6 | 231.7 | | | | | | | | |
| 22 | Maximum | | 988.3 | 1131 | | | | | | | | |
| 23 | Mean | | 470.2 | 507.7 | | | | | | | | |
| 24 | Median | | 453.8 | 483.8 | | | | | | | | |
| 25 | SD | | 168.6 | 196.6 | | | | | | | | |
| 26 | SE of Mean | | 31.31 | 36.51 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.780 | -2.003 | 2.003 | 0.439 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 54.7 | -0.780 | -2.004 | 2.004 | 0.439 | | | | | |
| 35 | Pooled SD: 183.156 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 28430 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 38662 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | | F-Test Value | | P-Value | | | | | |
| 46 | 28 | | 28 | | 1.360 | | 0.421 | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|-------------|--------------|---------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:57:21 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Nickel(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Nickel(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 8.132 | 8.512 | | | | | | | | |
| 22 | Maximum | | 39.4 | 41.61 | | | | | | | | |
| 23 | Mean | | 16.1 | 16.48 | | | | | | | | |
| 24 | Median | | 13.83 | 14.49 | | | | | | | | |
| 25 | SD | | 6.524 | 6.829 | | | | | | | | |
| 26 | SE of Mean | | 1.212 | 1.268 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.218 | -2.003 | 2.003 | 0.828 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.9 | -0.218 | -2.003 | 2.003 | 0.828 | | | | | |
| 35 | Pooled SD: 6.678 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 42.57 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 46.63 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | | F-Test Value | | P-Value | | | | | |
| 46 | 28 | | 28 | | 1.096 | | 0.811 | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:59:08 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Potassium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Potassium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 986.2 | 962.6 | | | | | | | | |
| 22 | Maximum | | 4956 | 5144 | | | | | | | | |
| 23 | Mean | | 1972 | 1897 | | | | | | | | |
| 24 | Median | | 1957 | 1894 | | | | | | | | |
| 25 | SD | | 715.3 | 745.1 | | | | | | | | |
| 26 | SE of Mean | | 132.8 | 138.4 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.388 | -2.003 | 2.003 | 0.699 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.9 | 0.388 | -2.003 | 2.003 | 0.699 | | | | | |
| 35 | Pooled SD: 730.326 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 511607 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 555146 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 1.085 | | 0.830 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|---|---|---|----------|----------|---|---|---|---|---|---|
| 1 | Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Uncensor Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 3:38:05 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean/Median = Sample 2 Mean/Median (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean/Median <> Sample 2 Mean/Median | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Selenium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Selenium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | Raw Statistics | | | | | | | | | | | |
| 17 | | | | | Sample 1 | Sample 2 | | | | | | |
| 18 | Number of Valid Observations | | | | 29 | 29 | | | | | | |
| 19 | Number of Distinct Observations | | | | 29 | 28 | | | | | | |
| 20 | Minimum | | | | 0.127 | 0.119 | | | | | | |
| 21 | Maximum | | | | 2.103 | 2.399 | | | | | | |
| 22 | Mean | | | | 0.382 | 0.404 | | | | | | |
| 23 | Median | | | | 0.244 | 0.264 | | | | | | |
| 24 | SD | | | | 0.403 | 0.448 | | | | | | |
| 25 | SE of Mean | | | | 0.0748 | 0.0831 | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | Wilcoxon-Mann-Whitney (WMW) Test | | | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | H0: Mean/Median of Sample 1 = Mean/Median of Sample 2 | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | Sample 1 Rank Sum W-Stat | | | | 830 | | | | | | | |
| 32 | WMW U-Stat | | | | 395 | | | | | | | |
| 33 | Standardized WMW U-Stat | | | | -0.397 | | | | | | | |
| 34 | Mean (U) | | | | 420.5 | | | | | | | |
| 35 | SD(U) - Adj ties | | | | 64.3 | | | | | | | |
| 36 | Lower Approximate U-Stat Critical Value (0.025) | | | | -1.96 | | | | | | | |
| 37 | Upper Approximate U-Stat Critical Value (0.975) | | | | 1.96 | | | | | | | |
| 38 | P-Value (Adjusted for Ties) | | | | 0.692 | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 42 | | | | | | | | | | | | |
| 43 | P-Value >= alpha (0.05) | | | | | | | | | | | |
| 44 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 9:29:57 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Silver(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Silver(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 0.0753 | 0.0725 | | | | | | | | |
| 22 | Maximum | | 0.896 | 0.478 | | | | | | | | |
| 23 | Mean | | 0.233 | 0.2 | | | | | | | | |
| 24 | Median | | 0.168 | 0.159 | | | | | | | | |
| 25 | SD | | 0.179 | 0.114 | | | | | | | | |
| 26 | SE of Mean | | 0.0333 | 0.0212 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.843 | -2.003 | 2.003 | 0.403 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 47.4 | 0.843 | -2.012 | 2.012 | 0.403 | | | | | |
| 35 | Pooled SD: 0.150 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 0.0322 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 0.013 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | P-Value | | | | | | | |
| 46 | 28 | | 28 | 2.478 | 0.019 | | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances are not equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|---|---|--------------|-------------|-------------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 4:01:57 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Sodium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Sodium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | | Sample 1 | Sample 2 | | | | | | | |
| 19 | Number of Valid Observations | | | 29 | 29 | | | | | | | |
| 20 | Number of Distinct Observations | | | 29 | 29 | | | | | | | |
| 21 | Minimum | | | 44.08 | 45.42 | | | | | | | |
| 22 | Maximum | | | 330.5 | 345 | | | | | | | |
| 23 | Mean | | | 167.3 | 173.1 | | | | | | | |
| 24 | Median | | | 151.9 | 155.1 | | | | | | | |
| 25 | SD | | | 71.07 | 73.29 | | | | | | | |
| 26 | SE of Mean | | | 13.2 | 13.61 | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | | t-Test | Lower C.Val | Upper C.Val | | | | | | |
| 32 | Method | | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.309 | -2.003 | 2.003 | 0.759 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.9 | -0.309 | -2.003 | 2.003 | 0.759 | | | | | |
| 35 | Pooled SD: 72.187 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | | 5051 | | | | | | | | |
| 43 | Variance of Sample 2 | | | 5371 | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 1.063 | | 0.872 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 4:03:47 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Thallium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Thallium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 0.115 | 0.11 | | | | | | | | |
| 22 | Maximum | | 0.917 | 0.492 | | | | | | | | |
| 23 | Mean | | 0.242 | 0.21 | | | | | | | | |
| 24 | Median | | 0.197 | 0.18 | | | | | | | | |
| 25 | SD | | 0.155 | 0.0863 | | | | | | | | |
| 26 | SE of Mean | | 0.0288 | 0.016 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.980 | -2.003 | 2.003 | 0.331 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 43.8 | 0.980 | -2.015 | 2.015 | 0.333 | | | | | |
| 35 | Pooled SD: 0.126 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 0.0241 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 0.00744 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | P-Value | | | | | | | |
| 46 | 28 | | 28 | 3.240 | 0.003 | | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances are not equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|-------------|--------------|---------|---------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 4:05:44 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Vanadium(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Vanadium(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 17.37 | 18.05 | | | | | | | | |
| 22 | Maximum | | 54.62 | 57.61 | | | | | | | | |
| 23 | Mean | | 28.74 | 29.51 | | | | | | | | |
| 24 | Median | | 28.35 | 29.63 | | | | | | | | |
| 25 | SD | | 7.123 | 7.694 | | | | | | | | |
| 26 | SE of Mean | | 1.323 | 1.429 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | -0.400 | -2.003 | 2.003 | 0.691 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 55.7 | -0.400 | -2.003 | 2.003 | 0.691 | | | | | |
| 35 | Pooled SD: 7.414 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 50.74 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 59.2 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | | F-Test Value | | P-Value | | | | | |
| 46 | 28 | | 28 | | 1.167 | | 0.686 | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|----|---|--------------|-------------|---------|-------|---|---|---|---|---|
| 1 | t-Test Sample 1 vs Sample 2 Comparison for Uncensored Full Data Sets without NDs | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation | | ProUCL 5.11/29/2017 4:07:27 PM | | | | | | | | | |
| 5 | From File | | groupby.xls | | | | | | | | | |
| 6 | Full Precision | | OFF | | | | | | | | | |
| 7 | Confidence Coefficient | | 95% | | | | | | | | | |
| 8 | Substantial Difference (S) | | 0.000 | | | | | | | | | |
| 9 | Selected Null Hypothesis | | Sample 1 Mean = Sample 2 Mean (Two Sided Alternative) | | | | | | | | | |
| 10 | Alternative Hypothesis | | Sample 1 Mean <> Sample 2 Mean | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | Sample 1 Data: Zinc(d1) | | | | | | | | | | | |
| 14 | Sample 2 Data: Zinc(d6) | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | Raw Statistics | | | | | | | | | | | |
| 18 | | | Sample 1 | Sample 2 | | | | | | | | |
| 19 | Number of Valid Observations | | 29 | 29 | | | | | | | | |
| 20 | Number of Distinct Observations | | 29 | 29 | | | | | | | | |
| 21 | Minimum | | 69.99 | 72.66 | | | | | | | | |
| 22 | Maximum | | 623.4 | 497 | | | | | | | | |
| 23 | Mean | | 187.1 | 161.4 | | | | | | | | |
| 24 | Median | | 158.1 | 139 | | | | | | | | |
| 25 | SD | | 127.9 | 100.9 | | | | | | | | |
| 26 | SE of Mean | | 23.75 | 18.73 | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | Sample 1 vs Sample 2 Two-Sample t-Test | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | H0: Mean of Sample 1 = Mean of Sample 2 | | | | | | | | | | | |
| 31 | | | t-Test | Lower C.Val | Upper C.Val | | | | | | | |
| 32 | Method | DF | Value | t (0.025) | t (0.975) | P-Value | | | | | | |
| 33 | Pooled (Equal Variance) | | 56 | 0.848 | -2.003 | 2.003 | 0.400 | | | | | |
| 34 | Welch-Satterthwaite (Unequal Variance) | | 53.1 | 0.848 | -2.006 | 2.006 | 0.400 | | | | | |
| 35 | Pooled SD: 115.167 | | | | | | | | | | | |
| 36 | Conclusion with Alpha = 0.050 | | | | | | | | | | | |
| 37 | Student t (Pooled): Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 38 | Welch-Satterthwaite: Do Not Reject H0, Conclude Sample 1 = Sample 2 | | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Test of Equality of Variances | | | | | | | | | | | |
| 41 | | | | | | | | | | | | |
| 42 | Variance of Sample 1 | | 16353 | | | | | | | | | |
| 43 | Variance of Sample 2 | | 10173 | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | Numerator DF | | Denominator DF | F-Test Value | | P-Value | | | | | | |
| 46 | 28 | | 28 | 1.607 | | 0.215 | | | | | | |
| 47 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 48 | Two variances appear to be equal | | | | | | | | | | | |
| 49 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|----|---|---|---|--|---|---------|---|---|---|---|---|---|
| 1 | | | | Goodness-of-Fit Test Statistics for Uncensored Full Data Sets without Non-Detects | | | | | | | | |
| 2 | User Selected Options | | | | | | | | | | | |
| 3 | Date/Time of Computation | | | ProUCL 5.11/29/2017 12:33:08 AM | | | | | | | | |
| 4 | From File | | | groupby.xls | | | | | | | | |
| 5 | Full Precision | | | OFF | | | | | | | | |
| 6 | Confidence Coefficient | | | 0.95 | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | Aluminum (d1) | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | Raw Statistics | | | | | | | | | | | |
| 12 | Number of Valid Observations | | | | | 29 | | | | | | |
| 13 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 14 | Minimum | | | | | 5858 | | | | | | |
| 15 | Maximum | | | | | 28940 | | | | | | |
| 16 | Mean of Raw Data | | | | | 13669 | | | | | | |
| 17 | Standard Deviation of Raw Data | | | | | 5723 | | | | | | |
| 18 | Khat | | | | | 6.925 | | | | | | |
| 19 | Theta hat | | | | | 1974 | | | | | | |
| 20 | Kstar | | | | | 6.231 | | | | | | |
| 21 | Theta star | | | | | 2194 | | | | | | |
| 22 | Mean of Log Transformed Data | | | | | 9.449 | | | | | | |
| 23 | Standard Deviation of Log Transformed Data | | | | | 0.383 | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | Normal GOF Test Results | | | | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | Correlation Coefficient R | | | | | 0.936 | | | | | | |
| 28 | Shapiro Wilk Test Statistic | | | | | 0.875 | | | | | | |
| 29 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 30 | Approximate Shapiro Wilk P Value | | | | | 0.00223 | | | | | | |
| 31 | Lilliefors Test Statistic | | | | | 0.179 | | | | | | |
| 32 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 33 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 34 | | | | | | | | | | | | |
| 35 | Gamma GOF Test Results | | | | | | | | | | | |
| 36 | | | | | | | | | | | | |
| 37 | Correlation Coefficient R | | | | | 0.974 | | | | | | |
| 38 | A-D Test Statistic | | | | | 0.541 | | | | | | |
| 39 | A-D Critical (0.05) Value | | | | | 0.747 | | | | | | |
| 40 | K-S Test Statistic | | | | | 0.141 | | | | | | |
| 41 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 42 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 43 | | | | | | | | | | | | |
| 44 | Lognormal GOF Test Results | | | | | | | | | | | |
| 45 | | | | | | | | | | | | |
| 46 | Correlation Coefficient R | | | | | 0.988 | | | | | | |
| 47 | Shapiro Wilk Test Statistic | | | | | 0.973 | | | | | | |
| 48 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 49 | Approximate Shapiro Wilk P Value | | | | | 0.672 | | | | | | |
| 50 | Lilliefors Test Statistic | | | | | 0.117 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-----|--|---|---|---|---|-----------|---|---|---|---|---|---|
| 51 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 52 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 53 | | | | | | | | | | | | |
| 54 | Aluminum (d6) | | | | | | | | | | | |
| 55 | | | | | | | | | | | | |
| 56 | Raw Statistics | | | | | | | | | | | |
| 57 | Number of Valid Observations | | | | | 29 | | | | | | |
| 58 | Number of Distinct Observations | | | | | 28 | | | | | | |
| 59 | Minimum | | | | | 6561 | | | | | | |
| 60 | Maximum | | | | | 32220 | | | | | | |
| 61 | Mean of Raw Data | | | | | 14717 | | | | | | |
| 62 | Standard Deviation of Raw Data | | | | | 6672 | | | | | | |
| 63 | Khat | | | | | 6.263 | | | | | | |
| 64 | Theta hat | | | | | 2350 | | | | | | |
| 65 | Kstar | | | | | 5.638 | | | | | | |
| 66 | Theta star | | | | | 2610 | | | | | | |
| 67 | Mean of Log Transformed Data | | | | | 9.515 | | | | | | |
| 68 | Standard Deviation of Log Transformed Data | | | | | 0.398 | | | | | | |
| 69 | | | | | | | | | | | | |
| 70 | Normal GOF Test Results | | | | | | | | | | | |
| 71 | | | | | | | | | | | | |
| 72 | Correlation Coefficient R | | | | | 0.909 | | | | | | |
| 73 | Shapiro Wilk Test Statistic | | | | | 0.824 | | | | | | |
| 74 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 75 | Approximate Shapiro Wilk P Value | | | | | 1.4118E-4 | | | | | | |
| 76 | Lilliefors Test Statistic | | | | | 0.194 | | | | | | |
| 77 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 78 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 79 | | | | | | | | | | | | |
| 80 | Gamma GOF Test Results | | | | | | | | | | | |
| 81 | | | | | | | | | | | | |
| 82 | Correlation Coefficient R | | | | | 0.955 | | | | | | |
| 83 | A-D Test Statistic | | | | | 0.788 | | | | | | |
| 84 | A-D Critical (0.05) Value | | | | | 0.747 | | | | | | |
| 85 | K-S Test Statistic | | | | | 0.153 | | | | | | |
| 86 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 87 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | |
| 88 | | | | | | | | | | | | |
| 89 | Lognormal GOF Test Results | | | | | | | | | | | |
| 90 | | | | | | | | | | | | |
| 91 | Correlation Coefficient R | | | | | 0.978 | | | | | | |
| 92 | Shapiro Wilk Test Statistic | | | | | 0.951 | | | | | | |
| 93 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 94 | Approximate Shapiro Wilk P Value | | | | | 0.223 | | | | | | |
| 95 | Lilliefors Test Statistic | | | | | 0.127 | | | | | | |
| 96 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 97 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 98 | | | | | | | | | | | | |
| 144 | Antimony (d1) | | | | | | | | | | | |
| 145 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
|-----|---|---|---|---|---|-----------|---|---|---|---|---|---|--|
| 146 | Raw Statistics | | | | | | | | | | | | |
| 147 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 148 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 149 | Minimum | | | | | 0.303 | | | | | | | |
| 150 | Maximum | | | | | 18.38 | | | | | | | |
| 151 | Mean of Raw Data | | | | | 2.048 | | | | | | | |
| 152 | Standard Deviation of Raw Data | | | | | 3.383 | | | | | | | |
| 153 | Khat | | | | | 1.106 | | | | | | | |
| 154 | Theta hat | | | | | 1.852 | | | | | | | |
| 155 | Kstar | | | | | 1.014 | | | | | | | |
| 156 | Theta star | | | | | 2.019 | | | | | | | |
| 157 | Mean of Log Transformed Data | | | | | 0.201 | | | | | | | |
| 158 | Standard Deviation of Log Transformed Data | | | | | 0.89 | | | | | | | |
| 159 | | | | | | | | | | | | | |
| 160 | Normal GOF Test Results | | | | | | | | | | | | |
| 161 | | | | | | | | | | | | | |
| 162 | Correlation Coefficient R | | | | | 0.656 | | | | | | | |
| 163 | Shapiro Wilk Test Statistic | | | | | 0.463 | | | | | | | |
| 164 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 165 | Approximate Shapiro Wilk P Value | | | | | 6.597E-11 | | | | | | | |
| 166 | Lilliefors Test Statistic | | | | | 0.306 | | | | | | | |
| 167 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 168 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 169 | | | | | | | | | | | | | |
| 170 | Gamma GOF Test Results | | | | | | | | | | | | |
| 171 | | | | | | | | | | | | | |
| 172 | Correlation Coefficient R | | | | | 0.852 | | | | | | | |
| 173 | A-D Test Statistic | | | | | 1.829 | | | | | | | |
| 174 | A-D Critical (0.05) Value | | | | | 0.772 | | | | | | | |
| 175 | K-S Test Statistic | | | | | 0.241 | | | | | | | |
| 176 | K-S Critical(0.05) Value | | | | | 0.167 | | | | | | | |
| 177 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 178 | | | | | | | | | | | | | |
| 179 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | |
| 181 | Correlation Coefficient R | | | | | 0.962 | | | | | | | |
| 182 | Shapiro Wilk Test Statistic | | | | | 0.933 | | | | | | | |
| 183 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 184 | Approximate Shapiro Wilk P Value | | | | | 0.0734 | | | | | | | |
| 185 | Lilliefors Test Statistic | | | | | 0.17 | | | | | | | |
| 186 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 187 | Data appear Approximate_Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 188 | | | | | | | | | | | | | |
| 189 | Antimony (d6) | | | | | | | | | | | | |
| 190 | | | | | | | | | | | | | |
| 191 | Raw Statistics | | | | | | | | | | | | |
| 192 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 193 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 194 | Minimum | | | | | 0.325 | | | | | | | |
| 195 | Maximum | | | | | 10.47 | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-----|--|---|---|---|---|-----------|---|---|---|---|---|---|
| 196 | Mean of Raw Data | | | | | 1.688 | | | | | | |
| 197 | Standard Deviation of Raw Data | | | | | 2.056 | | | | | | |
| 198 | Khat | | | | | 1.477 | | | | | | |
| 199 | Theta hat | | | | | 1.142 | | | | | | |
| 200 | Kstar | | | | | 1.347 | | | | | | |
| 201 | Theta star | | | | | 1.252 | | | | | | |
| 202 | Mean of Log Transformed Data | | | | | 0.148 | | | | | | |
| 203 | Standard Deviation of Log Transformed Data | | | | | 0.795 | | | | | | |
| 204 | | | | | | | | | | | | |
| 205 | Normal GOF Test Results | | | | | | | | | | | |
| 206 | | | | | | | | | | | | |
| 207 | Correlation Coefficient R | | | | | 0.744 | | | | | | |
| 208 | Shapiro Wilk Test Statistic | | | | | 0.578 | | | | | | |
| 209 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 210 | Approximate Shapiro Wilk P Value | | | | | 3.3595E-9 | | | | | | |
| 211 | Lilliefors Test Statistic | | | | | 0.319 | | | | | | |
| 212 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 213 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 214 | | | | | | | | | | | | |
| 215 | Gamma GOF Test Results | | | | | | | | | | | |
| 216 | | | | | | | | | | | | |
| 217 | Correlation Coefficient R | | | | | 0.901 | | | | | | |
| 218 | A-D Test Statistic | | | | | 1.521 | | | | | | |
| 219 | A-D Critical (0.05) Value | | | | | 0.763 | | | | | | |
| 220 | K-S Test Statistic | | | | | 0.19 | | | | | | |
| 221 | K-S Critical(0.05) Value | | | | | 0.166 | | | | | | |
| 222 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 223 | | | | | | | | | | | | |
| 224 | Lognormal GOF Test Results | | | | | | | | | | | |
| 225 | | | | | | | | | | | | |
| 226 | Correlation Coefficient R | | | | | 0.967 | | | | | | |
| 227 | Shapiro Wilk Test Statistic | | | | | 0.938 | | | | | | |
| 228 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 229 | Approximate Shapiro Wilk P Value | | | | | 0.0982 | | | | | | |
| 230 | Lilliefors Test Statistic | | | | | 0.125 | | | | | | |
| 231 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 232 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 278 | | | | | | | | | | | | |
| 279 | Arsenic (d1) | | | | | | | | | | | |
| 280 | | | | | | | | | | | | |
| 281 | Raw Statistics | | | | | | | | | | | |
| 282 | Number of Valid Observations | | | | | 29 | | | | | | |
| 283 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 284 | Minimum | | | | | 3.188 | | | | | | |
| 285 | Maximum | | | | | 90.36 | | | | | | |
| 286 | Mean of Raw Data | | | | | 12.33 | | | | | | |
| 287 | Standard Deviation of Raw Data | | | | | 15.73 | | | | | | |
| 288 | Khat | | | | | 1.92 | | | | | | |
| 289 | Theta hat | | | | | 6.423 | | | | | | |
| 290 | Kstar | | | | | 1.744 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-----|---|---|---|---|---|-----------|---|---|---|---|---|---|
| 291 | Theta star | | | | | 7.069 | | | | | | |
| 292 | Mean of Log Transformed Data | | | | | 2.229 | | | | | | |
| 293 | Standard Deviation of Log Transformed Data | | | | | 0.634 | | | | | | |
| 294 | | | | | | | | | | | | |
| 295 | Normal GOF Test Results | | | | | | | | | | | |
| 296 | | | | | | | | | | | | |
| 297 | Correlation Coefficient R | | | | | 0.632 | | | | | | |
| 298 | Shapiro Wilk Test Statistic | | | | | 0.434 | | | | | | |
| 299 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 300 | Approximate Shapiro Wilk P Value | | | | | 2.627E-11 | | | | | | |
| 301 | Lilliefors Test Statistic | | | | | 0.345 | | | | | | |
| 302 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 303 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 304 | | | | | | | | | | | | |
| 305 | Gamma GOF Test Results | | | | | | | | | | | |
| 306 | | | | | | | | | | | | |
| 307 | Correlation Coefficient R | | | | | 0.782 | | | | | | |
| 308 | A-D Test Statistic | | | | | 2.104 | | | | | | |
| 309 | A-D Critical (0.05) Value | | | | | 0.758 | | | | | | |
| 310 | K-S Test Statistic | | | | | 0.237 | | | | | | |
| 311 | K-S Critical(0.05) Value | | | | | 0.165 | | | | | | |
| 312 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 313 | | | | | | | | | | | | |
| 314 | Lognormal GOF Test Results | | | | | | | | | | | |
| 315 | | | | | | | | | | | | |
| 316 | Correlation Coefficient R | | | | | 0.929 | | | | | | |
| 317 | Shapiro Wilk Test Statistic | | | | | 0.885 | | | | | | |
| 318 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 319 | Approximate Shapiro Wilk P Value | | | | | 0.00421 | | | | | | |
| 320 | Lilliefors Test Statistic | | | | | 0.16 | | | | | | |
| 321 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 322 | Data appear Approximate_Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 323 | | | | | | | | | | | | |
| 324 | Arsenic (d6) | | | | | | | | | | | |
| 325 | | | | | | | | | | | | |
| 326 | Raw Statistics | | | | | | | | | | | |
| 327 | Number of Valid Observations | | | | | 29 | | | | | | |
| 328 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 329 | Minimum | | | | | 3.902 | | | | | | |
| 330 | Maximum | | | | | 43.25 | | | | | | |
| 331 | Mean of Raw Data | | | | | 11.59 | | | | | | |
| 332 | Standard Deviation of Raw Data | | | | | 7.879 | | | | | | |
| 333 | Khat | | | | | 3.42 | | | | | | |
| 334 | Theta hat | | | | | 3.389 | | | | | | |
| 335 | Kstar | | | | | 3.09 | | | | | | |
| 336 | Theta star | | | | | 3.752 | | | | | | |
| 337 | Mean of Log Transformed Data | | | | | 2.297 | | | | | | |
| 338 | Standard Deviation of Log Transformed Data | | | | | 0.534 | | | | | | |
| 339 | | | | | | | | | | | | |
| 340 | Normal GOF Test Results | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-----|--|---|---|---|---|--|-----------|---|---|---|---|---|
| 341 | | | | | | | | | | | | |
| 342 | | | | | | Correlation Coefficient R | 0.838 | | | | | |
| 343 | | | | | | Shapiro Wilk Test Statistic | 0.725 | | | | | |
| 344 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 345 | | | | | | Approximate Shapiro Wilk P Value | 1.1863E-6 | | | | | |
| 346 | | | | | | Lilliefors Test Statistic | 0.269 | | | | | |
| 347 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 348 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 349 | | | | | | | | | | | | |
| 350 | Gamma GOF Test Results | | | | | | | | | | | |
| 351 | | | | | | | | | | | | |
| 352 | | | | | | Correlation Coefficient R | 0.926 | | | | | |
| 353 | | | | | | A-D Test Statistic | 0.971 | | | | | |
| 354 | | | | | | A-D Critical (0.05) Value | 0.752 | | | | | |
| 355 | | | | | | K-S Test Statistic | 0.192 | | | | | |
| 356 | | | | | | K-S Critical(0.05) Value | 0.164 | | | | | |
| 357 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 358 | | | | | | | | | | | | |
| 359 | Lognormal GOF Test Results | | | | | | | | | | | |
| 360 | | | | | | | | | | | | |
| 361 | | | | | | Correlation Coefficient R | 0.97 | | | | | |
| 362 | | | | | | Shapiro Wilk Test Statistic | 0.946 | | | | | |
| 363 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 364 | | | | | | Approximate Shapiro Wilk P Value | 0.167 | | | | | |
| 365 | | | | | | Lilliefors Test Statistic | 0.151 | | | | | |
| 366 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 367 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 368 | | | | | | | | | | | | |
| 418 | Barium (d1) | | | | | | | | | | | |
| 419 | | | | | | | | | | | | |
| 420 | Raw Statistics | | | | | | | | | | | |
| 421 | | | | | | Number of Valid Observations | 29 | | | | | |
| 422 | | | | | | Number of Distinct Observations | 29 | | | | | |
| 423 | | | | | | Minimum | 75.01 | | | | | |
| 424 | | | | | | Maximum | 1041 | | | | | |
| 425 | | | | | | Mean of Raw Data | 197.9 | | | | | |
| 426 | | | | | | Standard Deviation of Raw Data | 174.7 | | | | | |
| 427 | | | | | | Khat | 3.024 | | | | | |
| 428 | | | | | | Theta hat | 65.46 | | | | | |
| 429 | | | | | | Kstar | 2.734 | | | | | |
| 430 | | | | | | Theta star | 72.4 | | | | | |
| 431 | | | | | | Mean of Log Transformed Data | 5.114 | | | | | |
| 432 | | | | | | Standard Deviation of Log Transformed Data | 0.525 | | | | | |
| 433 | | | | | | | | | | | | |
| 434 | Normal GOF Test Results | | | | | | | | | | | |
| 435 | | | | | | | | | | | | |
| 436 | | | | | | Correlation Coefficient R | 0.699 | | | | | |
| 437 | | | | | | Shapiro Wilk Test Statistic | 0.524 | | | | | |
| 438 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 439 | | | | | | Approximate Shapiro Wilk P Value | 4.967E-10 | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-----|--|---|---|---|---|---------|---|---|---|---|---|---|
| 440 | Lilliefors Test Statistic | | | | | 0.272 | | | | | | |
| 441 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 442 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 443 | | | | | | | | | | | | |
| 444 | Gamma GOF Test Results | | | | | | | | | | | |
| 445 | | | | | | | | | | | | |
| 446 | Correlation Coefficient R | | | | | 0.81 | | | | | | |
| 447 | A-D Test Statistic | | | | | 1.328 | | | | | | |
| 448 | A-D Critical (0.05) Value | | | | | 0.753 | | | | | | |
| 449 | K-S Test Statistic | | | | | 0.156 | | | | | | |
| 450 | K-S Critical(0.05) Value | | | | | 0.164 | | | | | | |
| 451 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | |
| 452 | | | | | | | | | | | | |
| 453 | Lognormal GOF Test Results | | | | | | | | | | | |
| 454 | | | | | | | | | | | | |
| 455 | Correlation Coefficient R | | | | | 0.939 | | | | | | |
| 456 | Shapiro Wilk Test Statistic | | | | | 0.898 | | | | | | |
| 457 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 458 | Approximate Shapiro Wilk P Value | | | | | 0.00911 | | | | | | |
| 459 | Lilliefors Test Statistic | | | | | 0.11 | | | | | | |
| 460 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 461 | Data appear Approximate_Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 462 | | | | | | | | | | | | |
| 463 | Barium (d6) | | | | | | | | | | | |
| 464 | | | | | | | | | | | | |
| 465 | Raw Statistics | | | | | | | | | | | |
| 466 | Number of Valid Observations | | | | | 29 | | | | | | |
| 467 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 468 | Minimum | | | | | 74.46 | | | | | | |
| 469 | Maximum | | | | | 342.3 | | | | | | |
| 470 | Mean of Raw Data | | | | | 176.7 | | | | | | |
| 471 | Standard Deviation of Raw Data | | | | | 68.04 | | | | | | |
| 472 | Khat | | | | | 6.801 | | | | | | |
| 473 | Theta hat | | | | | 25.98 | | | | | | |
| 474 | Kstar | | | | | 6.12 | | | | | | |
| 475 | Theta star | | | | | 28.87 | | | | | | |
| 476 | Mean of Log Transformed Data | | | | | 5.099 | | | | | | |
| 477 | Standard Deviation of Log Transformed Data | | | | | 0.403 | | | | | | |
| 478 | | | | | | | | | | | | |
| 479 | Normal GOF Test Results | | | | | | | | | | | |
| 480 | | | | | | | | | | | | |
| 481 | Correlation Coefficient R | | | | | 0.981 | | | | | | |
| 482 | Shapiro Wilk Test Statistic | | | | | 0.957 | | | | | | |
| 483 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 484 | Approximate Shapiro Wilk P Value | | | | | 0.306 | | | | | | |
| 485 | Lilliefors Test Statistic | | | | | 0.108 | | | | | | |
| 486 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 487 | Data appear Normal at (0.05) Significance Level | | | | | | | | | | | |
| 488 | | | | | | | | | | | | |
| 489 | Gamma GOF Test Results | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 490 | | | | | | | | | | | | |
| 491 | | | | | | Correlation Coefficient R | 0.988 | | | | | |
| 492 | | | | | | A-D Test Statistic | 0.361 | | | | | |
| 493 | | | | | | A-D Critical (0.05) Value | 0.747 | | | | | |
| 494 | | | | | | K-S Test Statistic | 0.115 | | | | | |
| 495 | | | | | | K-S Critical(0.05) Value | 0.163 | | | | | |
| 496 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 497 | | | | | | | | | | | | |
| 498 | Lognormal GOF Test Results | | | | | | | | | | | |
| 499 | | | | | | | | | | | | |
| 500 | | | | | | Correlation Coefficient R | 0.986 | | | | | |
| 501 | | | | | | Shapiro Wilk Test Statistic | 0.963 | | | | | |
| 502 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 503 | | | | | | Approximate Shapiro Wilk P Value | 0.418 | | | | | |
| 504 | | | | | | Lilliefors Test Statistic | 0.122 | | | | | |
| 505 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 506 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 507 | | | | | | | | | | | | |
| 553 | Beryllium (d1) | | | | | | | | | | | |
| 554 | | | | | | | | | | | | |
| 555 | Raw Statistics | | | | | | | | | | | |
| 556 | | | | | | Number of Valid Observations | 29 | | | | | |
| 557 | | | | | | Number of Distinct Observations | 29 | | | | | |
| 558 | | | | | | Minimum | 0.256 | | | | | |
| 559 | | | | | | Maximum | 0.79 | | | | | |
| 560 | | | | | | Mean of Raw Data | 0.47 | | | | | |
| 561 | | | | | | Standard Deviation of Raw Data | 0.154 | | | | | |
| 562 | | | | | | Khat | 9.937 | | | | | |
| 563 | | | | | | Theta hat | 0.0473 | | | | | |
| 564 | | | | | | Kstar | 8.932 | | | | | |
| 565 | | | | | | Theta star | 0.0526 | | | | | |
| 566 | | | | | | Mean of Log Transformed Data | -0.806 | | | | | |
| 567 | | | | | | Standard Deviation of Log Transformed Data | 0.327 | | | | | |
| 568 | | | | | | | | | | | | |
| 569 | Normal GOF Test Results | | | | | | | | | | | |
| 570 | | | | | | | | | | | | |
| 571 | | | | | | Correlation Coefficient R | 0.976 | | | | | |
| 572 | | | | | | Shapiro Wilk Test Statistic | 0.938 | | | | | |
| 573 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 574 | | | | | | Approximate Shapiro Wilk P Value | 0.103 | | | | | |
| 575 | | | | | | Lilliefors Test Statistic | 0.106 | | | | | |
| 576 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 577 | Data appear Normal at (0.05) Significance Level | | | | | | | | | | | |
| 578 | | | | | | | | | | | | |
| 579 | Gamma GOF Test Results | | | | | | | | | | | |
| 580 | | | | | | | | | | | | |
| 581 | | | | | | Correlation Coefficient R | 0.987 | | | | | |
| 582 | | | | | | A-D Test Statistic | 0.26 | | | | | |
| 583 | | | | | | A-D Critical (0.05) Value | 0.746 | | | | | |
| 584 | | | | | | K-S Test Statistic | 0.0847 | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 585 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | |
| 586 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 587 | | | | | | | | | | | | |
| 588 | Lognormal GOF Test Results | | | | | | | | | | | |
| 589 | | | | | | | | | | | | |
| 590 | Correlation Coefficient R | | | | | 0.99 | | | | | | |
| 591 | Shapiro Wilk Test Statistic | | | | | 0.963 | | | | | | |
| 592 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 593 | Approximate Shapiro Wilk P Value | | | | | 0.435 | | | | | | |
| 594 | Lilliefors Test Statistic | | | | | 0.0677 | | | | | | |
| 595 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 596 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 597 | | | | | | | | | | | | |
| 598 | Beryllium (d6) | | | | | | | | | | | |
| 599 | | | | | | | | | | | | |
| 600 | Raw Statistics | | | | | | | | | | | |
| 601 | Number of Valid Observations | | | | | 29 | | | | | | |
| 602 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 603 | Minimum | | | | | 0.287 | | | | | | |
| 604 | Maximum | | | | | 0.872 | | | | | | |
| 605 | Mean of Raw Data | | | | | 0.5 | | | | | | |
| 606 | Standard Deviation of Raw Data | | | | | 0.172 | | | | | | |
| 607 | Khat | | | | | 9.244 | | | | | | |
| 608 | Theta hat | | | | | 0.0541 | | | | | | |
| 609 | Kstar | | | | | 8.311 | | | | | | |
| 610 | Theta star | | | | | 0.0601 | | | | | | |
| 611 | Mean of Log Transformed Data | | | | | -0.749 | | | | | | |
| 612 | Standard Deviation of Log Transformed Data | | | | | 0.336 | | | | | | |
| 613 | | | | | | | | | | | | |
| 614 | Normal GOF Test Results | | | | | | | | | | | |
| 615 | | | | | | | | | | | | |
| 616 | Correlation Coefficient R | | | | | 0.963 | | | | | | |
| 617 | Shapiro Wilk Test Statistic | | | | | 0.912 | | | | | | |
| 618 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 619 | Approximate Shapiro Wilk P Value | | | | | 0.0208 | | | | | | |
| 620 | Lilliefors Test Statistic | | | | | 0.123 | | | | | | |
| 621 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 622 | Data appear Approximate Normal at (0.05) Significance Level | | | | | | | | | | | |
| 623 | | | | | | | | | | | | |
| 624 | Gamma GOF Test Results | | | | | | | | | | | |
| 625 | | | | | | | | | | | | |
| 626 | Correlation Coefficient R | | | | | 0.981 | | | | | | |
| 627 | A-D Test Statistic | | | | | 0.468 | | | | | | |
| 628 | A-D Critical (0.05) Value | | | | | 0.746 | | | | | | |
| 629 | K-S Test Statistic | | | | | 0.108 | | | | | | |
| 630 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 631 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 632 | | | | | | | | | | | | |
| 633 | Lognormal GOF Test Results | | | | | | | | | | | |
| 634 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-----|---|---|---|---|---|-----------|---|---|---|---|---|---|
| 635 | Correlation Coefficient R | | | | | 0.982 | | | | | | |
| 636 | Shapiro Wilk Test Statistic | | | | | 0.945 | | | | | | |
| 637 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 638 | Approximate Shapiro Wilk P Value | | | | | 0.153 | | | | | | |
| 639 | Lilliefors Test Statistic | | | | | 0.106 | | | | | | |
| 640 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 641 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 642 | | | | | | | | | | | | |
| 688 | Cadmium (d1) | | | | | | | | | | | |
| 689 | | | | | | | | | | | | |
| 690 | Raw Statistics | | | | | | | | | | | |
| 691 | Number of Valid Observations | | | | | 29 | | | | | | |
| 692 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 693 | Minimum | | | | | 0.78 | | | | | | |
| 694 | Maximum | | | | | 16.08 | | | | | | |
| 695 | Mean of Raw Data | | | | | 3.274 | | | | | | |
| 696 | Standard Deviation of Raw Data | | | | | 3.145 | | | | | | |
| 697 | Khat | | | | | 1.777 | | | | | | |
| 698 | Theta hat | | | | | 1.843 | | | | | | |
| 699 | Kstar | | | | | 1.616 | | | | | | |
| 700 | Theta star | | | | | 2.026 | | | | | | |
| 701 | Mean of Log Transformed Data | | | | | 0.879 | | | | | | |
| 702 | Standard Deviation of Log Transformed Data | | | | | 0.764 | | | | | | |
| 703 | | | | | | | | | | | | |
| 704 | Normal GOF Test Results | | | | | | | | | | | |
| 705 | | | | | | | | | | | | |
| 706 | Correlation Coefficient R | | | | | 0.829 | | | | | | |
| 707 | Shapiro Wilk Test Statistic | | | | | 0.708 | | | | | | |
| 708 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 709 | Approximate Shapiro Wilk P Value | | | | | 5.8228E-7 | | | | | | |
| 710 | Lilliefors Test Statistic | | | | | 0.254 | | | | | | |
| 711 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 712 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 713 | | | | | | | | | | | | |
| 714 | Gamma GOF Test Results | | | | | | | | | | | |
| 715 | | | | | | | | | | | | |
| 716 | Correlation Coefficient R | | | | | 0.947 | | | | | | |
| 717 | A-D Test Statistic | | | | | 0.749 | | | | | | |
| 718 | A-D Critical (0.05) Value | | | | | 0.76 | | | | | | |
| 719 | K-S Test Statistic | | | | | 0.162 | | | | | | |
| 720 | K-S Critical(0.05) Value | | | | | 0.165 | | | | | | |
| 721 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 722 | | | | | | | | | | | | |
| 723 | Lognormal GOF Test Results | | | | | | | | | | | |
| 724 | | | | | | | | | | | | |
| 725 | Correlation Coefficient R | | | | | 0.982 | | | | | | |
| 726 | Shapiro Wilk Test Statistic | | | | | 0.958 | | | | | | |
| 727 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 728 | Approximate Shapiro Wilk P Value | | | | | 0.335 | | | | | | |
| 729 | Lilliefors Test Statistic | | | | | 0.104 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
|-----|--|---|---|---|---|-----------|---|---|---|---|---|---|--|
| 730 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 731 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 732 | | | | | | | | | | | | | |
| 733 | Cadmium (d6) | | | | | | | | | | | | |
| 734 | | | | | | | | | | | | | |
| 735 | Raw Statistics | | | | | | | | | | | | |
| 736 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 737 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 738 | Minimum | | | | | 0.728 | | | | | | | |
| 739 | Maximum | | | | | 13.88 | | | | | | | |
| 740 | Mean of Raw Data | | | | | 2.925 | | | | | | | |
| 741 | Standard Deviation of Raw Data | | | | | 2.799 | | | | | | | |
| 742 | Khat | | | | | 1.832 | | | | | | | |
| 743 | Theta hat | | | | | 1.597 | | | | | | | |
| 744 | Kstar | | | | | 1.665 | | | | | | | |
| 745 | Theta star | | | | | 1.756 | | | | | | | |
| 746 | Mean of Log Transformed Data | | | | | 0.776 | | | | | | | |
| 747 | Standard Deviation of Log Transformed Data | | | | | 0.751 | | | | | | | |
| 748 | | | | | | | | | | | | | |
| 749 | Normal GOF Test Results | | | | | | | | | | | | |
| 750 | | | | | | | | | | | | | |
| 751 | Correlation Coefficient R | | | | | 0.819 | | | | | | | |
| 752 | Shapiro Wilk Test Statistic | | | | | 0.689 | | | | | | | |
| 753 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 754 | Approximate Shapiro Wilk P Value | | | | | 2.4862E-7 | | | | | | | |
| 755 | Lilliefors Test Statistic | | | | | 0.252 | | | | | | | |
| 756 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 757 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 758 | | | | | | | | | | | | | |
| 759 | Gamma GOF Test Results | | | | | | | | | | | | |
| 760 | | | | | | | | | | | | | |
| 761 | Correlation Coefficient R | | | | | 0.939 | | | | | | | |
| 762 | A-D Test Statistic | | | | | 0.852 | | | | | | | |
| 763 | A-D Critical (0.05) Value | | | | | 0.759 | | | | | | | |
| 764 | K-S Test Statistic | | | | | 0.143 | | | | | | | |
| 765 | K-S Critical(0.05) Value | | | | | 0.165 | | | | | | | |
| 766 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | | |
| 767 | | | | | | | | | | | | | |
| 768 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 769 | | | | | | | | | | | | | |
| 770 | Correlation Coefficient R | | | | | 0.973 | | | | | | | |
| 771 | Shapiro Wilk Test Statistic | | | | | 0.941 | | | | | | | |
| 772 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 773 | Approximate Shapiro Wilk P Value | | | | | 0.124 | | | | | | | |
| 774 | Lilliefors Test Statistic | | | | | 0.109 | | | | | | | |
| 775 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 776 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 777 | | | | | | | | | | | | | |
| 823 | Calcium (d1) | | | | | | | | | | | | |
| 824 | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
|-----|--|---|---|---|---|-----------|---|---|---|---|---|---|--|
| 825 | Raw Statistics | | | | | | | | | | | | |
| 826 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 827 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 828 | Minimum | | | | | 2943 | | | | | | | |
| 829 | Maximum | | | | | 24379 | | | | | | | |
| 830 | Mean of Raw Data | | | | | 6396 | | | | | | | |
| 831 | Standard Deviation of Raw Data | | | | | 4728 | | | | | | | |
| 832 | Khat | | | | | 3.107 | | | | | | | |
| 833 | Theta hat | | | | | 2059 | | | | | | | |
| 834 | Kstar | | | | | 2.808 | | | | | | | |
| 835 | Theta star | | | | | 2277 | | | | | | | |
| 836 | Mean of Log Transformed Data | | | | | 8.594 | | | | | | | |
| 837 | Standard Deviation of Log Transformed Data | | | | | 0.541 | | | | | | | |
| 838 | | | | | | | | | | | | | |
| 839 | Normal GOF Test Results | | | | | | | | | | | | |
| 840 | | | | | | | | | | | | | |
| 841 | Correlation Coefficient R | | | | | 0.823 | | | | | | | |
| 842 | Shapiro Wilk Test Statistic | | | | | 0.693 | | | | | | | |
| 843 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 844 | Approximate Shapiro Wilk P Value | | | | | 2.9592E-7 | | | | | | | |
| 845 | Lilliefors Test Statistic | | | | | 0.233 | | | | | | | |
| 846 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 847 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 848 | | | | | | | | | | | | | |
| 849 | Gamma GOF Test Results | | | | | | | | | | | | |
| 850 | | | | | | | | | | | | | |
| 851 | Correlation Coefficient R | | | | | 0.931 | | | | | | | |
| 852 | A-D Test Statistic | | | | | 1.58 | | | | | | | |
| 853 | A-D Critical (0.05) Value | | | | | 0.752 | | | | | | | |
| 854 | K-S Test Statistic | | | | | 0.156 | | | | | | | |
| 855 | K-S Critical(0.05) Value | | | | | 0.164 | | | | | | | |
| 856 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | | |
| 857 | | | | | | | | | | | | | |
| 858 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 859 | | | | | | | | | | | | | |
| 860 | Correlation Coefficient R | | | | | 0.941 | | | | | | | |
| 861 | Shapiro Wilk Test Statistic | | | | | 0.882 | | | | | | | |
| 862 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 863 | Approximate Shapiro Wilk P Value | | | | | 0.00343 | | | | | | | |
| 864 | Lilliefors Test Statistic | | | | | 0.14 | | | | | | | |
| 865 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 866 | Data appear Approximate_Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 867 | | | | | | | | | | | | | |
| 868 | Calcium (d6) | | | | | | | | | | | | |
| 869 | | | | | | | | | | | | | |
| 870 | Raw Statistics | | | | | | | | | | | | |
| 871 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 872 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 873 | Minimum | | | | | 2662 | | | | | | | |
| 874 | Maximum | | | | | 12046 | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|-----|--|---|---|---|---|-----------|---|---|---|---|---|---|
| 875 | Mean of Raw Data | | | | | 5521 | | | | | | |
| 876 | Standard Deviation of Raw Data | | | | | 3084 | | | | | | |
| 877 | Khat | | | | | 4.007 | | | | | | |
| 878 | Theta hat | | | | | 1378 | | | | | | |
| 879 | Kstar | | | | | 3.615 | | | | | | |
| 880 | Theta star | | | | | 1527 | | | | | | |
| 881 | Mean of Log Transformed Data | | | | | 8.486 | | | | | | |
| 882 | Standard Deviation of Log Transformed Data | | | | | 0.5 | | | | | | |
| 883 | | | | | | | | | | | | |
| 884 | Normal GOF Test Results | | | | | | | | | | | |
| 885 | | | | | | | | | | | | |
| 886 | Correlation Coefficient R | | | | | 0.901 | | | | | | |
| 887 | Shapiro Wilk Test Statistic | | | | | 0.797 | | | | | | |
| 888 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 889 | Approximate Shapiro Wilk P Value | | | | | 3.4677E-5 | | | | | | |
| 890 | Lilliefors Test Statistic | | | | | 0.225 | | | | | | |
| 891 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 892 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 893 | | | | | | | | | | | | |
| 894 | Gamma GOF Test Results | | | | | | | | | | | |
| 895 | | | | | | | | | | | | |
| 896 | Correlation Coefficient R | | | | | 0.949 | | | | | | |
| 897 | A-D Test Statistic | | | | | 1.577 | | | | | | |
| 898 | A-D Critical (0.05) Value | | | | | 0.75 | | | | | | |
| 899 | K-S Test Statistic | | | | | 0.185 | | | | | | |
| 900 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 901 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 902 | | | | | | | | | | | | |
| 903 | Lognormal GOF Test Results | | | | | | | | | | | |
| 904 | | | | | | | | | | | | |
| 905 | Correlation Coefficient R | | | | | 0.947 | | | | | | |
| 906 | Shapiro Wilk Test Statistic | | | | | 0.876 | | | | | | |
| 907 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 908 | Approximate Shapiro Wilk P Value | | | | | 0.00248 | | | | | | |
| 909 | Lilliefors Test Statistic | | | | | 0.171 | | | | | | |
| 910 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 911 | Data not Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 912 | | | | | | | | | | | | |
| 913 | Non-parametric GOF Test Results | | | | | | | | | | | |
| 914 | | | | | | | | | | | | |
| 915 | Data do not follow a discernible distribution at (0.05) Level of Significance | | | | | | | | | | | |
| 916 | | | | | | | | | | | | |
| 962 | Chromium (d1) | | | | | | | | | | | |
| 963 | | | | | | | | | | | | |
| 964 | Raw Statistics | | | | | | | | | | | |
| 965 | Number of Valid Observations | | | | | 29 | | | | | | |
| 966 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 967 | Minimum | | | | | 10.5 | | | | | | |
| 968 | Maximum | | | | | 47.76 | | | | | | |
| 969 | Mean of Raw Data | | | | | 19.05 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|------|--|---|---|---|---|-----------|---|---|---|---|---|---|
| 970 | Standard Deviation of Raw Data | | | | | 7.024 | | | | | | |
| 971 | Khat | | | | | 9.921 | | | | | | |
| 972 | Theta hat | | | | | 1.92 | | | | | | |
| 973 | Kstar | | | | | 8.917 | | | | | | |
| 974 | Theta star | | | | | 2.136 | | | | | | |
| 975 | Mean of Log Transformed Data | | | | | 2.896 | | | | | | |
| 976 | Standard Deviation of Log Transformed Data | | | | | 0.313 | | | | | | |
| 977 | | | | | | | | | | | | |
| 978 | Normal GOF Test Results | | | | | | | | | | | |
| 979 | | | | | | | | | | | | |
| 980 | Correlation Coefficient R | | | | | 0.874 | | | | | | |
| 981 | Shapiro Wilk Test Statistic | | | | | 0.789 | | | | | | |
| 982 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 983 | Approximate Shapiro Wilk P Value | | | | | 2.4237E-5 | | | | | | |
| 984 | Lilliefors Test Statistic | | | | | 0.154 | | | | | | |
| 985 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 986 | Data appear Approximate Normal at (0.05) Significance Level | | | | | | | | | | | |
| 987 | | | | | | | | | | | | |
| 988 | Gamma GOF Test Results | | | | | | | | | | | |
| 989 | | | | | | | | | | | | |
| 990 | Correlation Coefficient R | | | | | 0.914 | | | | | | |
| 991 | A-D Test Statistic | | | | | 0.527 | | | | | | |
| 992 | A-D Critical (0.05) Value | | | | | 0.746 | | | | | | |
| 993 | K-S Test Statistic | | | | | 0.104 | | | | | | |
| 994 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | |
| 995 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 996 | | | | | | | | | | | | |
| 997 | Lognormal GOF Test Results | | | | | | | | | | | |
| 998 | | | | | | | | | | | | |
| 999 | Correlation Coefficient R | | | | | 0.966 | | | | | | |
| 1000 | Shapiro Wilk Test Statistic | | | | | 0.945 | | | | | | |
| 1001 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1002 | Approximate Shapiro Wilk P Value | | | | | 0.155 | | | | | | |
| 1003 | Lilliefors Test Statistic | | | | | 0.0883 | | | | | | |
| 1004 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1005 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1006 | | | | | | | | | | | | |
| 1007 | Chromium (d6) | | | | | | | | | | | |
| 1008 | | | | | | | | | | | | |
| 1009 | Raw Statistics | | | | | | | | | | | |
| 1010 | Number of Valid Observations | | | | | 29 | | | | | | |
| 1011 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 1012 | Minimum | | | | | 11.02 | | | | | | |
| 1013 | Maximum | | | | | 51.58 | | | | | | |
| 1014 | Mean of Raw Data | | | | | 19.83 | | | | | | |
| 1015 | Standard Deviation of Raw Data | | | | | 7.798 | | | | | | |
| 1016 | Khat | | | | | 8.845 | | | | | | |
| 1017 | Theta hat | | | | | 2.242 | | | | | | |
| 1018 | Kstar | | | | | 7.953 | | | | | | |
| 1019 | Theta star | | | | | 2.493 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|------|--|---|---|---|---|-----------|---|---|---|---|---|---|
| 1020 | Mean of Log Transformed Data | | | | | 2.929 | | | | | | |
| 1021 | Standard Deviation of Log Transformed Data | | | | | 0.331 | | | | | | |
| 1022 | | | | | | | | | | | | |
| 1023 | Normal GOF Test Results | | | | | | | | | | | |
| 1024 | | | | | | | | | | | | |
| 1025 | Correlation Coefficient R | | | | | 0.875 | | | | | | |
| 1026 | Shapiro Wilk Test Statistic | | | | | 0.789 | | | | | | |
| 1027 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1028 | Approximate Shapiro Wilk P Value | | | | | 2.4150E-5 | | | | | | |
| 1029 | Lilliefors Test Statistic | | | | | 0.148 | | | | | | |
| 1030 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1031 | Data appear Approximate Normal at (0.05) Significance Level | | | | | | | | | | | |
| 1032 | | | | | | | | | | | | |
| 1033 | Gamma GOF Test Results | | | | | | | | | | | |
| 1034 | | | | | | | | | | | | |
| 1035 | Correlation Coefficient R | | | | | 0.919 | | | | | | |
| 1036 | A-D Test Statistic | | | | | 0.475 | | | | | | |
| 1037 | A-D Critical (0.05) Value | | | | | 0.746 | | | | | | |
| 1038 | K-S Test Statistic | | | | | 0.103 | | | | | | |
| 1039 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 1040 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 1041 | | | | | | | | | | | | |
| 1042 | Lognormal GOF Test Results | | | | | | | | | | | |
| 1043 | | | | | | | | | | | | |
| 1044 | Correlation Coefficient R | | | | | 0.969 | | | | | | |
| 1045 | Shapiro Wilk Test Statistic | | | | | 0.948 | | | | | | |
| 1046 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1047 | Approximate Shapiro Wilk P Value | | | | | 0.181 | | | | | | |
| 1048 | Lilliefors Test Statistic | | | | | 0.093 | | | | | | |
| 1049 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1050 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1051 | | | | | | | | | | | | |
| 1101 | Cobalt (d1) | | | | | | | | | | | |
| 1102 | | | | | | | | | | | | |
| 1103 | Raw Statistics | | | | | | | | | | | |
| 1104 | Number of Valid Observations | | | | | 29 | | | | | | |
| 1105 | Number of Distinct Observations | | | | | 28 | | | | | | |
| 1106 | Minimum | | | | | 3.037 | | | | | | |
| 1107 | Maximum | | | | | 13.14 | | | | | | |
| 1108 | Mean of Raw Data | | | | | 6.146 | | | | | | |
| 1109 | Standard Deviation of Raw Data | | | | | 1.946 | | | | | | |
| 1110 | Khat | | | | | 11.99 | | | | | | |
| 1111 | Theta hat | | | | | 0.513 | | | | | | |
| 1112 | Kstar | | | | | 10.77 | | | | | | |
| 1113 | Theta star | | | | | 0.571 | | | | | | |
| 1114 | Mean of Log Transformed Data | | | | | 1.773 | | | | | | |
| 1115 | Standard Deviation of Log Transformed Data | | | | | 0.291 | | | | | | |
| 1116 | | | | | | | | | | | | |
| 1117 | Normal GOF Test Results | | | | | | | | | | | |
| 1118 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|------|--|---|---|---|---|--|-----------|---|---|---|---|---|
| 1119 | | | | | | Correlation Coefficient R | 0.926 | | | | | |
| 1120 | | | | | | Shapiro Wilk Test Statistic | 0.879 | | | | | |
| 1121 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 1122 | | | | | | Approximate Shapiro Wilk P Value | 0.0029 | | | | | |
| 1123 | | | | | | Lilliefors Test Statistic | 0.14 | | | | | |
| 1124 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 1125 | Data appear Approximate Normal at (0.05) Significance Level | | | | | | | | | | | |
| 1126 | | | | | | | | | | | | |
| 1127 | Gamma GOF Test Results | | | | | | | | | | | |
| 1128 | | | | | | | | | | | | |
| 1129 | | | | | | Correlation Coefficient R | 0.956 | | | | | |
| 1130 | | | | | | A-D Test Statistic | 0.402 | | | | | |
| 1131 | | | | | | A-D Critical (0.05) Value | 0.745 | | | | | |
| 1132 | | | | | | K-S Test Statistic | 0.111 | | | | | |
| 1133 | | | | | | K-S Critical(0.05) Value | 0.162 | | | | | |
| 1134 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 1135 | | | | | | | | | | | | |
| 1136 | Lognormal GOF Test Results | | | | | | | | | | | |
| 1137 | | | | | | | | | | | | |
| 1138 | | | | | | Correlation Coefficient R | 0.98 | | | | | |
| 1139 | | | | | | Shapiro Wilk Test Statistic | 0.975 | | | | | |
| 1140 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 1141 | | | | | | Approximate Shapiro Wilk P Value | 0.716 | | | | | |
| 1142 | | | | | | Lilliefors Test Statistic | 0.107 | | | | | |
| 1143 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 1144 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1145 | | | | | | | | | | | | |
| 1146 | Cobalt (d6) | | | | | | | | | | | |
| 1147 | | | | | | | | | | | | |
| 1148 | Raw Statistics | | | | | | | | | | | |
| 1149 | | | | | | Number of Valid Observations | 29 | | | | | |
| 1150 | | | | | | Number of Distinct Observations | 29 | | | | | |
| 1151 | | | | | | Minimum | 3.346 | | | | | |
| 1152 | | | | | | Maximum | 13.98 | | | | | |
| 1153 | | | | | | Mean of Raw Data | 6.443 | | | | | |
| 1154 | | | | | | Standard Deviation of Raw Data | 2.046 | | | | | |
| 1155 | | | | | | Khat | 12.29 | | | | | |
| 1156 | | | | | | Theta hat | 0.524 | | | | | |
| 1157 | | | | | | Kstar | 11.04 | | | | | |
| 1158 | | | | | | Theta star | 0.583 | | | | | |
| 1159 | | | | | | Mean of Log Transformed Data | 1.822 | | | | | |
| 1160 | | | | | | Standard Deviation of Log Transformed Data | 0.285 | | | | | |
| 1161 | | | | | | | | | | | | |
| 1162 | Normal GOF Test Results | | | | | | | | | | | |
| 1163 | | | | | | | | | | | | |
| 1164 | | | | | | Correlation Coefficient R | 0.905 | | | | | |
| 1165 | | | | | | Shapiro Wilk Test Statistic | 0.842 | | | | | |
| 1166 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 1167 | | | | | | Approximate Shapiro Wilk P Value | 3.6241E-4 | | | | | |
| 1168 | | | | | | Lilliefors Test Statistic | 0.217 | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
|------|--|---|---|---|---|-----------|---|---|---|---|---|---|--|
| 1169 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 1170 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 1171 | | | | | | | | | | | | | |
| 1172 | Gamma GOF Test Results | | | | | | | | | | | | |
| 1173 | | | | | | | | | | | | | |
| 1174 | Correlation Coefficient R | | | | | 0.937 | | | | | | | |
| 1175 | A-D Test Statistic | | | | | 0.634 | | | | | | | |
| 1176 | A-D Critical (0.05) Value | | | | | 0.745 | | | | | | | |
| 1177 | K-S Test Statistic | | | | | 0.177 | | | | | | | |
| 1178 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | | |
| 1179 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | | |
| 1180 | | | | | | | | | | | | | |
| 1181 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 1182 | | | | | | | | | | | | | |
| 1183 | Correlation Coefficient R | | | | | 0.969 | | | | | | | |
| 1184 | Shapiro Wilk Test Statistic | | | | | 0.954 | | | | | | | |
| 1185 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 1186 | Approximate Shapiro Wilk P Value | | | | | 0.257 | | | | | | | |
| 1187 | Lilliefors Test Statistic | | | | | 0.166 | | | | | | | |
| 1188 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 1189 | Data appear Approximate_Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 1190 | | | | | | | | | | | | | |
| 1236 | Copper (d1) | | | | | | | | | | | | |
| 1237 | | | | | | | | | | | | | |
| 1238 | Raw Statistics | | | | | | | | | | | | |
| 1239 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 1240 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 1241 | Minimum | | | | | 9.738 | | | | | | | |
| 1242 | Maximum | | | | | 67.05 | | | | | | | |
| 1243 | Mean of Raw Data | | | | | 21.14 | | | | | | | |
| 1244 | Standard Deviation of Raw Data | | | | | 11.61 | | | | | | | |
| 1245 | Khat | | | | | 5.018 | | | | | | | |
| 1246 | Theta hat | | | | | 4.213 | | | | | | | |
| 1247 | Kstar | | | | | 4.522 | | | | | | | |
| 1248 | Theta star | | | | | 4.675 | | | | | | | |
| 1249 | Mean of Log Transformed Data | | | | | 2.948 | | | | | | | |
| 1250 | Standard Deviation of Log Transformed Data | | | | | 0.433 | | | | | | | |
| 1251 | | | | | | | | | | | | | |
| 1252 | Normal GOF Test Results | | | | | | | | | | | | |
| 1253 | | | | | | | | | | | | | |
| 1254 | Correlation Coefficient R | | | | | 0.86 | | | | | | | |
| 1255 | Shapiro Wilk Test Statistic | | | | | 0.76 | | | | | | | |
| 1256 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 1257 | Approximate Shapiro Wilk P Value | | | | | 5.7991E-6 | | | | | | | |
| 1258 | Lilliefors Test Statistic | | | | | 0.201 | | | | | | | |
| 1259 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 1260 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 1261 | | | | | | | | | | | | | |
| 1262 | Gamma GOF Test Results | | | | | | | | | | | | |
| 1263 | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 1264 | | | | Correlation Coefficient R | | 0.935 | | | | | | |
| 1265 | | | | A-D Test Statistic | | 0.848 | | | | | | |
| 1266 | | | | A-D Critical (0.05) Value | | 0.748 | | | | | | |
| 1267 | | | | K-S Test Statistic | | 0.154 | | | | | | |
| 1268 | | | | K-S Critical(0.05) Value | | 0.163 | | | | | | |
| 1269 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | |
| 1270 | | | | | | | | | | | | |
| 1271 | Lognormal GOF Test Results | | | | | | | | | | | |
| 1272 | | | | | | | | | | | | |
| 1273 | | | | Correlation Coefficient R | | 0.969 | | | | | | |
| 1274 | | | | Shapiro Wilk Test Statistic | | 0.944 | | | | | | |
| 1275 | | | | Shapiro Wilk Critical (0.05) Value | | 0.926 | | | | | | |
| 1276 | | | | Approximate Shapiro Wilk P Value | | 0.142 | | | | | | |
| 1277 | | | | Lilliefors Test Statistic | | 0.124 | | | | | | |
| 1278 | | | | Lilliefors Critical (0.05) Value | | 0.161 | | | | | | |
| 1279 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1280 | | | | | | | | | | | | |
| 1281 | Copper (d6) | | | | | | | | | | | |
| 1282 | | | | | | | | | | | | |
| 1283 | Raw Statistics | | | | | | | | | | | |
| 1284 | | | | Number of Valid Observations | | 29 | | | | | | |
| 1285 | | | | Number of Distinct Observations | | 29 | | | | | | |
| 1286 | | | | Minimum | | 10.08 | | | | | | |
| 1287 | | | | Maximum | | 46.14 | | | | | | |
| 1288 | | | | Mean of Raw Data | | 21.1 | | | | | | |
| 1289 | | | | Standard Deviation of Raw Data | | 9.579 | | | | | | |
| 1290 | | | | Khat | | 5.962 | | | | | | |
| 1291 | | | | Theta hat | | 3.538 | | | | | | |
| 1292 | | | | Kstar | | 5.368 | | | | | | |
| 1293 | | | | Theta star | | 3.93 | | | | | | |
| 1294 | | | | Mean of Log Transformed Data | | 2.963 | | | | | | |
| 1295 | | | | Standard Deviation of Log Transformed Data | | 0.41 | | | | | | |
| 1296 | | | | | | | | | | | | |
| 1297 | Normal GOF Test Results | | | | | | | | | | | |
| 1298 | | | | | | | | | | | | |
| 1299 | | | | Correlation Coefficient R | | 0.932 | | | | | | |
| 1300 | | | | Shapiro Wilk Test Statistic | | 0.864 | | | | | | |
| 1301 | | | | Shapiro Wilk Critical (0.05) Value | | 0.926 | | | | | | |
| 1302 | | | | Approximate Shapiro Wilk P Value | | 0.00123 | | | | | | |
| 1303 | | | | Lilliefors Test Statistic | | 0.201 | | | | | | |
| 1304 | | | | Lilliefors Critical (0.05) Value | | 0.161 | | | | | | |
| 1305 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 1306 | | | | | | | | | | | | |
| 1307 | Gamma GOF Test Results | | | | | | | | | | | |
| 1308 | | | | | | | | | | | | |
| 1309 | | | | Correlation Coefficient R | | 0.977 | | | | | | |
| 1310 | | | | A-D Test Statistic | | 0.731 | | | | | | |
| 1311 | | | | A-D Critical (0.05) Value | | 0.747 | | | | | | |
| 1312 | | | | K-S Test Statistic | | 0.15 | | | | | | |
| 1313 | | | | K-S Critical(0.05) Value | | 0.163 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
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| 1314 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 1315 | | | | | | | | | | | | | |
| 1316 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 1317 | | | | | | | | | | | | | |
| 1318 | Correlation Coefficient R | | | | | 0.981 | | | | | | | |
| 1319 | Shapiro Wilk Test Statistic | | | | | 0.951 | | | | | | | |
| 1320 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 1321 | Approximate Shapiro Wilk P Value | | | | | 0.217 | | | | | | | |
| 1322 | Lilliefors Test Statistic | | | | | 0.121 | | | | | | | |
| 1323 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 1324 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 1325 | | | | | | | | | | | | | |
| 1371 | Iron (d1) | | | | | | | | | | | | |
| 1372 | | | | | | | | | | | | | |
| 1373 | Raw Statistics | | | | | | | | | | | | |
| 1374 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 1375 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 1376 | Minimum | | | | | 10087 | | | | | | | |
| 1377 | Maximum | | | | | 28070 | | | | | | | |
| 1378 | Mean of Raw Data | | | | | 16878 | | | | | | | |
| 1379 | Standard Deviation of Raw Data | | | | | 3380 | | | | | | | |
| 1380 | Khat | | | | | 26.95 | | | | | | | |
| 1381 | Theta hat | | | | | 626.2 | | | | | | | |
| 1382 | Kstar | | | | | 24.19 | | | | | | | |
| 1383 | Theta star | | | | | 697.7 | | | | | | | |
| 1384 | Mean of Log Transformed Data | | | | | 9.715 | | | | | | | |
| 1385 | Standard Deviation of Log Transformed Data | | | | | 0.196 | | | | | | | |
| 1386 | | | | | | | | | | | | | |
| 1387 | Normal GOF Test Results | | | | | | | | | | | | |
| 1388 | | | | | | | | | | | | | |
| 1389 | Correlation Coefficient R | | | | | 0.957 | | | | | | | |
| 1390 | Shapiro Wilk Test Statistic | | | | | 0.938 | | | | | | | |
| 1391 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 1392 | Approximate Shapiro Wilk P Value | | | | | 0.102 | | | | | | | |
| 1393 | Lilliefors Test Statistic | | | | | 0.126 | | | | | | | |
| 1394 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 1395 | Data appear Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 1396 | | | | | | | | | | | | | |
| 1397 | Gamma GOF Test Results | | | | | | | | | | | | |
| 1398 | | | | | | | | | | | | | |
| 1399 | Correlation Coefficient R | | | | | 0.967 | | | | | | | |
| 1400 | A-D Test Statistic | | | | | 0.34 | | | | | | | |
| 1401 | A-D Critical (0.05) Value | | | | | 0.744 | | | | | | | |
| 1402 | K-S Test Statistic | | | | | 0.103 | | | | | | | |
| 1403 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | | |
| 1404 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 1405 | | | | | | | | | | | | | |
| 1406 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 1407 | | | | | | | | | | | | | |
| 1408 | Correlation Coefficient R | | | | | 0.977 | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 1409 | Shapiro Wilk Test Statistic | | | | | 0.973 | | | | | | |
| 1410 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1411 | Approximate Shapiro Wilk P Value | | | | | 0.676 | | | | | | |
| 1412 | Lilliefors Test Statistic | | | | | 0.099 | | | | | | |
| 1413 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1414 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1415 | | | | | | | | | | | | |
| 1416 | Iron (d6) | | | | | | | | | | | |
| 1417 | | | | | | | | | | | | |
| 1418 | Raw Statistics | | | | | | | | | | | |
| 1419 | Number of Valid Observations | | | | | 29 | | | | | | |
| 1420 | Number of Distinct Observations | | | | | 28 | | | | | | |
| 1421 | Minimum | | | | | 10767 | | | | | | |
| 1422 | Maximum | | | | | 29120 | | | | | | |
| 1423 | Mean of Raw Data | | | | | 17525 | | | | | | |
| 1424 | Standard Deviation of Raw Data | | | | | 3555 | | | | | | |
| 1425 | Khat | | | | | 26.34 | | | | | | |
| 1426 | Theta hat | | | | | 665.5 | | | | | | |
| 1427 | Kstar | | | | | 23.63 | | | | | | |
| 1428 | Theta star | | | | | 741.5 | | | | | | |
| 1429 | Mean of Log Transformed Data | | | | | 9.752 | | | | | | |
| 1430 | Standard Deviation of Log Transformed Data | | | | | 0.198 | | | | | | |
| 1431 | | | | | | | | | | | | |
| 1432 | Normal GOF Test Results | | | | | | | | | | | |
| 1433 | | | | | | | | | | | | |
| 1434 | Correlation Coefficient R | | | | | 0.96 | | | | | | |
| 1435 | Shapiro Wilk Test Statistic | | | | | 0.94 | | | | | | |
| 1436 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1437 | Approximate Shapiro Wilk P Value | | | | | 0.118 | | | | | | |
| 1438 | Lilliefors Test Statistic | | | | | 0.087 | | | | | | |
| 1439 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1440 | Data appear Normal at (0.05) Significance Level | | | | | | | | | | | |
| 1441 | | | | | | | | | | | | |
| 1442 | Gamma GOF Test Results | | | | | | | | | | | |
| 1443 | | | | | | | | | | | | |
| 1444 | Correlation Coefficient R | | | | | 0.971 | | | | | | |
| 1445 | A-D Test Statistic | | | | | 0.323 | | | | | | |
| 1446 | A-D Critical (0.05) Value | | | | | 0.744 | | | | | | |
| 1447 | K-S Test Statistic | | | | | 0.0932 | | | | | | |
| 1448 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | |
| 1449 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 1450 | | | | | | | | | | | | |
| 1451 | Lognormal GOF Test Results | | | | | | | | | | | |
| 1452 | | | | | | | | | | | | |
| 1453 | Correlation Coefficient R | | | | | 0.98 | | | | | | |
| 1454 | Shapiro Wilk Test Statistic | | | | | 0.975 | | | | | | |
| 1455 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1456 | Approximate Shapiro Wilk P Value | | | | | 0.729 | | | | | | |
| 1457 | Lilliefors Test Statistic | | | | | 0.106 | | | | | | |
| 1458 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
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| 1459 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 1460 | | | | | | | | | | | | | |
| 1506 | Lead (d1) | | | | | | | | | | | | |
| 1507 | | | | | | | | | | | | | |
| 1508 | Raw Statistics | | | | | | | | | | | | |
| 1509 | Number of Valid Observations | | | | 29 | | | | | | | | |
| 1510 | Number of Distinct Observations | | | | 29 | | | | | | | | |
| 1511 | Minimum | | | | 26.12 | | | | | | | | |
| 1512 | Maximum | | | | 1188 | | | | | | | | |
| 1513 | Mean of Raw Data | | | | 156.7 | | | | | | | | |
| 1514 | Standard Deviation of Raw Data | | | | 221.2 | | | | | | | | |
| 1515 | Khat | | | | 1.219 | | | | | | | | |
| 1516 | Theta hat | | | | 128.6 | | | | | | | | |
| 1517 | Kstar | | | | 1.116 | | | | | | | | |
| 1518 | Theta star | | | | 140.5 | | | | | | | | |
| 1519 | Mean of Log Transformed Data | | | | 4.591 | | | | | | | | |
| 1520 | Standard Deviation of Log Transformed Data | | | | 0.887 | | | | | | | | |
| 1521 | | | | | | | | | | | | | |
| 1522 | Normal GOF Test Results | | | | | | | | | | | | |
| 1523 | | | | | | | | | | | | | |
| 1524 | Correlation Coefficient R | | | | 0.714 | | | | | | | | |
| 1525 | Shapiro Wilk Test Statistic | | | | 0.54 | | | | | | | | |
| 1526 | Shapiro Wilk Critical (0.05) Value | | | | 0.926 | | | | | | | | |
| 1527 | Approximate Shapiro Wilk P Value | | | | 8.695E-10 | | | | | | | | |
| 1528 | Lilliefors Test Statistic | | | | 0.279 | | | | | | | | |
| 1529 | Lilliefors Critical (0.05) Value | | | | 0.161 | | | | | | | | |
| 1530 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 1531 | | | | | | | | | | | | | |
| 1532 | Gamma GOF Test Results | | | | | | | | | | | | |
| 1533 | | | | | | | | | | | | | |
| 1534 | Correlation Coefficient R | | | | 0.888 | | | | | | | | |
| 1535 | A-D Test Statistic | | | | 1.122 | | | | | | | | |
| 1536 | A-D Critical (0.05) Value | | | | 0.769 | | | | | | | | |
| 1537 | K-S Test Statistic | | | | 0.169 | | | | | | | | |
| 1538 | K-S Critical(0.05) Value | | | | 0.167 | | | | | | | | |
| 1539 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 1540 | | | | | | | | | | | | | |
| 1541 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 1542 | | | | | | | | | | | | | |
| 1543 | Correlation Coefficient R | | | | 0.977 | | | | | | | | |
| 1544 | Shapiro Wilk Test Statistic | | | | 0.955 | | | | | | | | |
| 1545 | Shapiro Wilk Critical (0.05) Value | | | | 0.926 | | | | | | | | |
| 1546 | Approximate Shapiro Wilk P Value | | | | 0.281 | | | | | | | | |
| 1547 | Lilliefors Test Statistic | | | | 0.0888 | | | | | | | | |
| 1548 | Lilliefors Critical (0.05) Value | | | | 0.161 | | | | | | | | |
| 1549 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 1550 | | | | | | | | | | | | | |
| 1551 | Lead (d6) | | | | | | | | | | | | |
| 1552 | | | | | | | | | | | | | |
| 1553 | Raw Statistics | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 1554 | Number of Valid Observations | | | | | 29 | | | | | | |
| 1555 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 1556 | Minimum | | | | | 27.68 | | | | | | |
| 1557 | Maximum | | | | | 429.2 | | | | | | |
| 1558 | Mean of Raw Data | | | | | 109.1 | | | | | | |
| 1559 | Standard Deviation of Raw Data | | | | | 91.21 | | | | | | |
| 1560 | Khat | | | | | 2.07 | | | | | | |
| 1561 | Theta hat | | | | | 52.7 | | | | | | |
| 1562 | Kstar | | | | | 1.879 | | | | | | |
| 1563 | Theta star | | | | | 58.06 | | | | | | |
| 1564 | Mean of Log Transformed Data | | | | | 4.431 | | | | | | |
| 1565 | Standard Deviation of Log Transformed Data | | | | | 0.717 | | | | | | |
| 1566 | | | | | | | | | | | | |
| 1567 | Normal GOF Test Results | | | | | | | | | | | |
| 1568 | | | | | | | | | | | | |
| 1569 | Correlation Coefficient R | | | | | 0.867 | | | | | | |
| 1570 | Shapiro Wilk Test Statistic | | | | | 0.762 | | | | | | |
| 1571 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1572 | Approximate Shapiro Wilk P Value | | | | | 6.5131E-6 | | | | | | |
| 1573 | Lilliefors Test Statistic | | | | | 0.188 | | | | | | |
| 1574 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1575 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 1576 | | | | | | | | | | | | |
| 1577 | Gamma GOF Test Results | | | | | | | | | | | |
| 1578 | | | | | | | | | | | | |
| 1579 | Correlation Coefficient R | | | | | 0.964 | | | | | | |
| 1580 | A-D Test Statistic | | | | | 0.667 | | | | | | |
| 1581 | A-D Critical (0.05) Value | | | | | 0.757 | | | | | | |
| 1582 | K-S Test Statistic | | | | | 0.112 | | | | | | |
| 1583 | K-S Critical(0.05) Value | | | | | 0.165 | | | | | | |
| 1584 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 1585 | | | | | | | | | | | | |
| 1586 | Lognormal GOF Test Results | | | | | | | | | | | |
| 1587 | | | | | | | | | | | | |
| 1588 | Correlation Coefficient R | | | | | 0.981 | | | | | | |
| 1589 | Shapiro Wilk Test Statistic | | | | | 0.954 | | | | | | |
| 1590 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1591 | Approximate Shapiro Wilk P Value | | | | | 0.268 | | | | | | |
| 1592 | Lilliefors Test Statistic | | | | | 0.103 | | | | | | |
| 1593 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1594 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1595 | | | | | | | | | | | | |
| 1641 | Magnesium (d1) | | | | | | | | | | | |
| 1642 | | | | | | | | | | | | |
| 1643 | Raw Statistics | | | | | | | | | | | |
| 1644 | Number of Valid Observations | | | | | 29 | | | | | | |
| 1645 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 1646 | Minimum | | | | | 2196 | | | | | | |
| 1647 | Maximum | | | | | 9489 | | | | | | |
| 1648 | Mean of Raw Data | | | | | 3907 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 1649 | Standard Deviation of Raw Data | | | | | 1341 | | | | | | |
| 1650 | Khat | | | | | 12.31 | | | | | | |
| 1651 | Theta hat | | | | | 317.3 | | | | | | |
| 1652 | Kstar | | | | | 11.06 | | | | | | |
| 1653 | Theta star | | | | | 353.2 | | | | | | |
| 1654 | Mean of Log Transformed Data | | | | | 8.229 | | | | | | |
| 1655 | Standard Deviation of Log Transformed Data | | | | | 0.274 | | | | | | |
| 1656 | | | | | | | | | | | | |
| 1657 | Normal GOF Test Results | | | | | | | | | | | |
| 1658 | | | | | | | | | | | | |
| 1659 | Correlation Coefficient R | | | | | 0.834 | | | | | | |
| 1660 | Shapiro Wilk Test Statistic | | | | | 0.725 | | | | | | |
| 1661 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1662 | Approximate Shapiro Wilk P Value | | | | | 1.2122E-6 | | | | | | |
| 1663 | Lilliefors Test Statistic | | | | | 0.257 | | | | | | |
| 1664 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1665 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 1666 | | | | | | | | | | | | |
| 1667 | Gamma GOF Test Results | | | | | | | | | | | |
| 1668 | | | | | | | | | | | | |
| 1669 | Correlation Coefficient R | | | | | 0.885 | | | | | | |
| 1670 | A-D Test Statistic | | | | | 1.43 | | | | | | |
| 1671 | A-D Critical (0.05) Value | | | | | 0.745 | | | | | | |
| 1672 | K-S Test Statistic | | | | | 0.219 | | | | | | |
| 1673 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | |
| 1674 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 1675 | | | | | | | | | | | | |
| 1676 | Lognormal GOF Test Results | | | | | | | | | | | |
| 1677 | | | | | | | | | | | | |
| 1678 | Correlation Coefficient R | | | | | 0.932 | | | | | | |
| 1679 | Shapiro Wilk Test Statistic | | | | | 0.893 | | | | | | |
| 1680 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1681 | Approximate Shapiro Wilk P Value | | | | | 0.0064 | | | | | | |
| 1682 | Lilliefors Test Statistic | | | | | 0.197 | | | | | | |
| 1683 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1684 | Data not Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1685 | | | | | | | | | | | | |
| 1686 | Non-parametric GOF Test Results | | | | | | | | | | | |
| 1687 | | | | | | | | | | | | |
| 1688 | Data do not follow a discernible distribution at (0.05) Level of Significanc | | | | | | | | | | | |
| 1689 | | | | | | | | | | | | |
| 1690 | Magnesium (d6) | | | | | | | | | | | |
| 1691 | | | | | | | | | | | | |
| 1692 | Raw Statistics | | | | | | | | | | | |
| 1693 | Number of Valid Observations | | | | | 29 | | | | | | |
| 1694 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 1695 | Minimum | | | | | 2257 | | | | | | |
| 1696 | Maximum | | | | | 9913 | | | | | | |
| 1697 | Mean of Raw Data | | | | | 3969 | | | | | | |
| 1698 | Standard Deviation of Raw Data | | | | | 1428 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|------|---|---|---|---|--|-----------|---|---|---|---|---|---|
| 1699 | | | | | Khat | 11.52 | | | | | | |
| 1700 | | | | | Theta hat | 344.4 | | | | | | |
| 1701 | | | | | Kstar | 10.36 | | | | | | |
| 1702 | | | | | Theta star | 383.3 | | | | | | |
| 1703 | | | | | Mean of Log Transformed Data | 8.242 | | | | | | |
| 1704 | | | | | Standard Deviation of Log Transformed Data | 0.281 | | | | | | |
| 1705 | | | | | | | | | | | | |
| 1706 | | | | | Normal GOF Test Results | | | | | | | |
| 1707 | | | | | | | | | | | | |
| 1708 | | | | | Correlation Coefficient R | 0.823 | | | | | | |
| 1709 | | | | | Shapiro Wilk Test Statistic | 0.706 | | | | | | |
| 1710 | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | | |
| 1711 | | | | | Approximate Shapiro Wilk P Value | 5.1848E-7 | | | | | | |
| 1712 | | | | | Lilliefors Test Statistic | 0.282 | | | | | | |
| 1713 | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | | |
| 1714 | | | | | Data not Normal at (0.05) Significance Level | | | | | | | |
| 1715 | | | | | | | | | | | | |
| 1716 | | | | | Gamma GOF Test Results | | | | | | | |
| 1717 | | | | | | | | | | | | |
| 1718 | | | | | Correlation Coefficient R | 0.877 | | | | | | |
| 1719 | | | | | A-D Test Statistic | 1.523 | | | | | | |
| 1720 | | | | | A-D Critical (0.05) Value | 0.745 | | | | | | |
| 1721 | | | | | K-S Test Statistic | 0.234 | | | | | | |
| 1722 | | | | | K-S Critical(0.05) Value | 0.162 | | | | | | |
| 1723 | | | | | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | |
| 1724 | | | | | | | | | | | | |
| 1725 | | | | | Lognormal GOF Test Results | | | | | | | |
| 1726 | | | | | | | | | | | | |
| 1727 | | | | | Correlation Coefficient R | 0.927 | | | | | | |
| 1728 | | | | | Shapiro Wilk Test Statistic | 0.882 | | | | | | |
| 1729 | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | | |
| 1730 | | | | | Approximate Shapiro Wilk P Value | 0.0034 | | | | | | |
| 1731 | | | | | Lilliefors Test Statistic | 0.21 | | | | | | |
| 1732 | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | | |
| 1733 | | | | | Data not Lognormal at (0.05) Significance Level | | | | | | | |
| 1734 | | | | | | | | | | | | |
| 1735 | | | | | Non-parametric GOF Test Results | | | | | | | |
| 1736 | | | | | | | | | | | | |
| 1737 | | | | | Data do not follow a discernible distribution at (0.05) Level of Significance | | | | | | | |
| 1738 | | | | | | | | | | | | |
| 1788 | | | | | Manganese (d1) | | | | | | | |
| 1789 | | | | | | | | | | | | |
| 1790 | | | | | Raw Statistics | | | | | | | |
| 1791 | | | | | Number of Valid Observations | 29 | | | | | | |
| 1792 | | | | | Number of Distinct Observations | 29 | | | | | | |
| 1793 | | | | | Minimum | 237.6 | | | | | | |
| 1794 | | | | | Maximum | 988.3 | | | | | | |
| 1795 | | | | | Mean of Raw Data | 470.2 | | | | | | |
| 1796 | | | | | Standard Deviation of Raw Data | 168.6 | | | | | | |
| 1797 | | | | | Khat | 8.336 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|------|---|---|---|---|---|--------|---|---|---|---|---|---|
| 1798 | | | | | Theta hat | 56.41 | | | | | | |
| 1799 | | | | | Kstar | 7.496 | | | | | | |
| 1800 | | | | | Theta star | 62.72 | | | | | | |
| 1801 | | | | | Mean of Log Transformed Data | 6.092 | | | | | | |
| 1802 | | | | | Standard Deviation of Log Transformed Data | 0.359 | | | | | | |
| 1803 | | | | | | | | | | | | |
| 1804 | | | | | Normal GOF Test Results | | | | | | | |
| 1805 | | | | | | | | | | | | |
| 1806 | | | | | Correlation Coefficient R | 0.965 | | | | | | |
| 1807 | | | | | Shapiro Wilk Test Statistic | 0.935 | | | | | | |
| 1808 | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | | |
| 1809 | | | | | Approximate Shapiro Wilk P Value | 0.0861 | | | | | | |
| 1810 | | | | | Lilliefors Test Statistic | 0.106 | | | | | | |
| 1811 | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | | |
| 1812 | | | | | Data appear Normal at (0.05) Significance Level | | | | | | | |
| 1813 | | | | | | | | | | | | |
| 1814 | | | | | Gamma GOF Test Results | | | | | | | |
| 1815 | | | | | | | | | | | | |
| 1816 | | | | | Correlation Coefficient R | 0.983 | | | | | | |
| 1817 | | | | | A-D Test Statistic | 0.32 | | | | | | |
| 1818 | | | | | A-D Critical (0.05) Value | 0.746 | | | | | | |
| 1819 | | | | | K-S Test Statistic | 0.11 | | | | | | |
| 1820 | | | | | K-S Critical(0.05) Value | 0.163 | | | | | | |
| 1821 | | | | | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | |
| 1822 | | | | | | | | | | | | |
| 1823 | | | | | Lognormal GOF Test Results | | | | | | | |
| 1824 | | | | | | | | | | | | |
| 1825 | | | | | Correlation Coefficient R | 0.983 | | | | | | |
| 1826 | | | | | Shapiro Wilk Test Statistic | 0.96 | | | | | | |
| 1827 | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | | |
| 1828 | | | | | Approximate Shapiro Wilk P Value | 0.357 | | | | | | |
| 1829 | | | | | Lilliefors Test Statistic | 0.134 | | | | | | |
| 1830 | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | | |
| 1831 | | | | | Data appear Lognormal at (0.05) Significance Level | | | | | | | |
| 1832 | | | | | | | | | | | | |
| 1833 | | | | | Manganese (d6) | | | | | | | |
| 1834 | | | | | | | | | | | | |
| 1835 | | | | | Raw Statistics | | | | | | | |
| 1836 | | | | | Number of Valid Observations | 29 | | | | | | |
| 1837 | | | | | Number of Distinct Observations | 29 | | | | | | |
| 1838 | | | | | Minimum | 231.7 | | | | | | |
| 1839 | | | | | Maximum | 1131 | | | | | | |
| 1840 | | | | | Mean of Raw Data | 507.7 | | | | | | |
| 1841 | | | | | Standard Deviation of Raw Data | 196.6 | | | | | | |
| 1842 | | | | | Khat | 7.644 | | | | | | |
| 1843 | | | | | Theta hat | 66.42 | | | | | | |
| 1844 | | | | | Kstar | 6.876 | | | | | | |
| 1845 | | | | | Theta star | 73.83 | | | | | | |
| 1846 | | | | | Mean of Log Transformed Data | 6.163 | | | | | | |
| 1847 | | | | | Standard Deviation of Log Transformed Data | 0.371 | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
|------|---|---|---|---|---|-------|---|---|---|---|---|---|--|
| 1848 | | | | | | | | | | | | | |
| 1849 | Normal GOF Test Results | | | | | | | | | | | | |
| 1850 | | | | | | | | | | | | | |
| 1851 | Correlation Coefficient R | | | | | 0.946 | | | | | | | |
| 1852 | Shapiro Wilk Test Statistic | | | | | 0.903 | | | | | | | |
| 1853 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 1854 | Approximate Shapiro Wilk P Value | | | | | 0.012 | | | | | | | |
| 1855 | Lilliefors Test Statistic | | | | | 0.165 | | | | | | | |
| 1856 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 1857 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 1858 | | | | | | | | | | | | | |
| 1859 | Gamma GOF Test Results | | | | | | | | | | | | |
| 1860 | | | | | | | | | | | | | |
| 1861 | Correlation Coefficient R | | | | | 0.977 | | | | | | | |
| 1862 | A-D Test Statistic | | | | | 0.396 | | | | | | | |
| 1863 | A-D Critical (0.05) Value | | | | | 0.747 | | | | | | | |
| 1864 | K-S Test Statistic | | | | | 0.115 | | | | | | | |
| 1865 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | | |
| 1866 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 1867 | | | | | | | | | | | | | |
| 1868 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 1869 | | | | | | | | | | | | | |
| 1870 | Correlation Coefficient R | | | | | 0.985 | | | | | | | |
| 1871 | Shapiro Wilk Test Statistic | | | | | 0.969 | | | | | | | |
| 1872 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 1873 | Approximate Shapiro Wilk P Value | | | | | 0.577 | | | | | | | |
| 1874 | Lilliefors Test Statistic | | | | | 0.12 | | | | | | | |
| 1875 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 1876 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 1877 | | | | | | | | | | | | | |
| 1923 | Nickel (d1) | | | | | | | | | | | | |
| 1924 | | | | | | | | | | | | | |
| 1925 | Raw Statistics | | | | | | | | | | | | |
| 1926 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 1927 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 1928 | Minimum | | | | | 8.132 | | | | | | | |
| 1929 | Maximum | | | | | 39.4 | | | | | | | |
| 1930 | Mean of Raw Data | | | | | 16.1 | | | | | | | |
| 1931 | Standard Deviation of Raw Data | | | | | 6.524 | | | | | | | |
| 1932 | Khat | | | | | 8.295 | | | | | | | |
| 1933 | Theta hat | | | | | 1.941 | | | | | | | |
| 1934 | Kstar | | | | | 7.46 | | | | | | | |
| 1935 | Theta star | | | | | 2.158 | | | | | | | |
| 1936 | Mean of Log Transformed Data | | | | | 2.717 | | | | | | | |
| 1937 | Standard Deviation of Log Transformed Data | | | | | 0.339 | | | | | | | |
| 1938 | | | | | | | | | | | | | |
| 1939 | Normal GOF Test Results | | | | | | | | | | | | |
| 1940 | | | | | | | | | | | | | |
| 1941 | Correlation Coefficient R | | | | | 0.889 | | | | | | | |
| 1942 | Shapiro Wilk Test Statistic | | | | | 0.807 | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|------|--|---|---|---|---|-----------|---|---|---|---|---|---|
| 1943 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1944 | Approximate Shapiro Wilk P Value | | | | | 5.6481E-5 | | | | | | |
| 1945 | Lilliefors Test Statistic | | | | | 0.217 | | | | | | |
| 1946 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1947 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 1948 | | | | | | | | | | | | |
| 1949 | Gamma GOF Test Results | | | | | | | | | | | |
| 1950 | | | | | | | | | | | | |
| 1951 | Correlation Coefficient R | | | | | 0.944 | | | | | | |
| 1952 | A-D Test Statistic | | | | | 1.027 | | | | | | |
| 1953 | A-D Critical (0.05) Value | | | | | 0.746 | | | | | | |
| 1954 | K-S Test Statistic | | | | | 0.163 | | | | | | |
| 1955 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 1956 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 1957 | | | | | | | | | | | | |
| 1958 | Lognormal GOF Test Results | | | | | | | | | | | |
| 1959 | | | | | | | | | | | | |
| 1960 | Correlation Coefficient R | | | | | 0.964 | | | | | | |
| 1961 | Shapiro Wilk Test Statistic | | | | | 0.939 | | | | | | |
| 1962 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1963 | Approximate Shapiro Wilk P Value | | | | | 0.106 | | | | | | |
| 1964 | Lilliefors Test Statistic | | | | | 0.143 | | | | | | |
| 1965 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1966 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 1967 | | | | | | | | | | | | |
| 1968 | Nickel (d6) | | | | | | | | | | | |
| 1969 | | | | | | | | | | | | |
| 1970 | Raw Statistics | | | | | | | | | | | |
| 1971 | Number of Valid Observations | | | | | 29 | | | | | | |
| 1972 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 1973 | Minimum | | | | | 8.512 | | | | | | |
| 1974 | Maximum | | | | | 41.61 | | | | | | |
| 1975 | Mean of Raw Data | | | | | 16.48 | | | | | | |
| 1976 | Standard Deviation of Raw Data | | | | | 6.829 | | | | | | |
| 1977 | Khat | | | | | 8.16 | | | | | | |
| 1978 | Theta hat | | | | | 2.02 | | | | | | |
| 1979 | Kstar | | | | | 7.339 | | | | | | |
| 1980 | Theta star | | | | | 2.246 | | | | | | |
| 1981 | Mean of Log Transformed Data | | | | | 2.74 | | | | | | |
| 1982 | Standard Deviation of Log Transformed Data | | | | | 0.34 | | | | | | |
| 1983 | | | | | | | | | | | | |
| 1984 | Normal GOF Test Results | | | | | | | | | | | |
| 1985 | | | | | | | | | | | | |
| 1986 | Correlation Coefficient R | | | | | 0.879 | | | | | | |
| 1987 | Shapiro Wilk Test Statistic | | | | | 0.79 | | | | | | |
| 1988 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 1989 | Approximate Shapiro Wilk P Value | | | | | 2.5122E-5 | | | | | | |
| 1990 | Lilliefors Test Statistic | | | | | 0.204 | | | | | | |
| 1991 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 1992 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
|------|--|---|---|---|---|-----------|---|---|---|---|---|---|--|
| 1993 | | | | | | | | | | | | | |
| 1994 | Gamma GOF Test Results | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | | |
| 1996 | Correlation Coefficient R | | | | | 0.936 | | | | | | | |
| 1997 | A-D Test Statistic | | | | | 0.921 | | | | | | | |
| 1998 | A-D Critical (0.05) Value | | | | | 0.746 | | | | | | | |
| 1999 | K-S Test Statistic | | | | | 0.147 | | | | | | | |
| 2000 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | | |
| 2001 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | | |
| 2002 | | | | | | | | | | | | | |
| 2003 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 2004 | | | | | | | | | | | | | |
| 2005 | Correlation Coefficient R | | | | | 0.965 | | | | | | | |
| 2006 | Shapiro Wilk Test Statistic | | | | | 0.939 | | | | | | | |
| 2007 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2008 | Approximate Shapiro Wilk P Value | | | | | 0.109 | | | | | | | |
| 2009 | Lilliefors Test Statistic | | | | | 0.121 | | | | | | | |
| 2010 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2011 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | | |
| 2058 | Potassium (d1) | | | | | | | | | | | | |
| 2059 | | | | | | | | | | | | | |
| 2060 | Raw Statistics | | | | | | | | | | | | |
| 2061 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 2062 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 2063 | Minimum | | | | | 986.2 | | | | | | | |
| 2064 | Maximum | | | | | 4956 | | | | | | | |
| 2065 | Mean of Raw Data | | | | | 1972 | | | | | | | |
| 2066 | Standard Deviation of Raw Data | | | | | 715.3 | | | | | | | |
| 2067 | Khat | | | | | 10.27 | | | | | | | |
| 2068 | Theta hat | | | | | 192 | | | | | | | |
| 2069 | Kstar | | | | | 9.231 | | | | | | | |
| 2070 | Theta star | | | | | 213.6 | | | | | | | |
| 2071 | Mean of Log Transformed Data | | | | | 7.537 | | | | | | | |
| 2072 | Standard Deviation of Log Transformed Data | | | | | 0.308 | | | | | | | |
| 2073 | | | | | | | | | | | | | |
| 2074 | Normal GOF Test Results | | | | | | | | | | | | |
| 2075 | | | | | | | | | | | | | |
| 2076 | Correlation Coefficient R | | | | | 0.865 | | | | | | | |
| 2077 | Shapiro Wilk Test Statistic | | | | | 0.779 | | | | | | | |
| 2078 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2079 | Approximate Shapiro Wilk P Value | | | | | 1.4534E-5 | | | | | | | |
| 2080 | Lilliefors Test Statistic | | | | | 0.169 | | | | | | | |
| 2081 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2082 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 2083 | | | | | | | | | | | | | |
| 2084 | Gamma GOF Test Results | | | | | | | | | | | | |
| 2085 | | | | | | | | | | | | | |
| 2086 | Correlation Coefficient R | | | | | 0.903 | | | | | | | |
| 2087 | A-D Test Statistic | | | | | 0.589 | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
|------|--|---|---|---|---|-----------|---|---|---|---|---|---|
| 2088 | A-D Critical (0.05) Value | | | | | 0.746 | | | | | | |
| 2089 | K-S Test Statistic | | | | | 0.12 | | | | | | |
| 2090 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | |
| 2091 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 2092 | | | | | | | | | | | | |
| 2093 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2094 | | | | | | | | | | | | |
| 2095 | Correlation Coefficient R | | | | | 0.962 | | | | | | |
| 2096 | Shapiro Wilk Test Statistic | | | | | 0.945 | | | | | | |
| 2097 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2098 | Approximate Shapiro Wilk P Value | | | | | 0.152 | | | | | | |
| 2099 | Lilliefors Test Statistic | | | | | 0.107 | | | | | | |
| 2100 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2101 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2102 | | | | | | | | | | | | |
| 2103 | Potassium (d6) | | | | | | | | | | | |
| 2104 | | | | | | | | | | | | |
| 2105 | Raw Statistics | | | | | | | | | | | |
| 2106 | Number of Valid Observations | | | | | 29 | | | | | | |
| 2107 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 2108 | Minimum | | | | | 962.6 | | | | | | |
| 2109 | Maximum | | | | | 5144 | | | | | | |
| 2110 | Mean of Raw Data | | | | | 1897 | | | | | | |
| 2111 | Standard Deviation of Raw Data | | | | | 745.1 | | | | | | |
| 2112 | Khat | | | | | 9.447 | | | | | | |
| 2113 | Theta hat | | | | | 200.9 | | | | | | |
| 2114 | Kstar | | | | | 8.493 | | | | | | |
| 2115 | Theta star | | | | | 223.4 | | | | | | |
| 2116 | Mean of Log Transformed Data | | | | | 7.494 | | | | | | |
| 2117 | Standard Deviation of Log Transformed Data | | | | | 0.317 | | | | | | |
| 2118 | | | | | | | | | | | | |
| 2119 | Normal GOF Test Results | | | | | | | | | | | |
| 2120 | | | | | | | | | | | | |
| 2121 | Correlation Coefficient R | | | | | 0.831 | | | | | | |
| 2122 | Shapiro Wilk Test Statistic | | | | | 0.724 | | | | | | |
| 2123 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2124 | Approximate Shapiro Wilk P Value | | | | | 1.1565E-6 | | | | | | |
| 2125 | Lilliefors Test Statistic | | | | | 0.198 | | | | | | |
| 2126 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2127 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2128 | | | | | | | | | | | | |
| 2129 | Gamma GOF Test Results | | | | | | | | | | | |
| 2130 | | | | | | | | | | | | |
| 2131 | Correlation Coefficient R | | | | | 0.876 | | | | | | |
| 2132 | A-D Test Statistic | | | | | 0.799 | | | | | | |
| 2133 | A-D Critical (0.05) Value | | | | | 0.746 | | | | | | |
| 2134 | K-S Test Statistic | | | | | 0.14 | | | | | | |
| 2135 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 2136 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | |
| 2137 | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
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| 2138 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 2139 | | | | | | | | | | | | | |
| 2140 | Correlation Coefficient R | | | | | 0.95 | | | | | | | |
| 2141 | Shapiro Wilk Test Statistic | | | | | 0.925 | | | | | | | |
| 2142 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2143 | Approximate Shapiro Wilk P Value | | | | | 0.0452 | | | | | | | |
| 2144 | Lilliefors Test Statistic | | | | | 0.124 | | | | | | | |
| 2145 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2146 | Data appear Approximate_Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 2147 | | | | | | | | | | | | | |
| 2193 | Selenium (d1) | | | | | | | | | | | | |
| 2194 | | | | | | | | | | | | | |
| 2195 | Raw Statistics | | | | | | | | | | | | |
| 2196 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 2197 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 2198 | Minimum | | | | | 0.127 | | | | | | | |
| 2199 | Maximum | | | | | 2.103 | | | | | | | |
| 2200 | Mean of Raw Data | | | | | 0.382 | | | | | | | |
| 2201 | Standard Deviation of Raw Data | | | | | 0.403 | | | | | | | |
| 2202 | Khat | | | | | 2.028 | | | | | | | |
| 2203 | Theta hat | | | | | 0.188 | | | | | | | |
| 2204 | Kstar | | | | | 1.841 | | | | | | | |
| 2205 | Theta star | | | | | 0.208 | | | | | | | |
| 2206 | Mean of Log Transformed Data | | | | | -1.228 | | | | | | | |
| 2207 | Standard Deviation of Log Transformed Data | | | | | 0.642 | | | | | | | |
| 2208 | | | | | | | | | | | | | |
| 2209 | Normal GOF Test Results | | | | | | | | | | | | |
| 2210 | | | | | | | | | | | | | |
| 2211 | Correlation Coefficient R | | | | | 0.739 | | | | | | | |
| 2212 | Shapiro Wilk Test Statistic | | | | | 0.571 | | | | | | | |
| 2213 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2214 | Approximate Shapiro Wilk P Value | | | | | 2.5901E-9 | | | | | | | |
| 2215 | Lilliefors Test Statistic | | | | | 0.311 | | | | | | | |
| 2216 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2217 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 2218 | | | | | | | | | | | | | |
| 2219 | Gamma GOF Test Results | | | | | | | | | | | | |
| 2220 | | | | | | | | | | | | | |
| 2221 | Correlation Coefficient R | | | | | 0.887 | | | | | | | |
| 2222 | A-D Test Statistic | | | | | 2.243 | | | | | | | |
| 2223 | A-D Critical (0.05) Value | | | | | 0.757 | | | | | | | |
| 2224 | K-S Test Statistic | | | | | 0.246 | | | | | | | |
| 2225 | K-S Critical(0.05) Value | | | | | 0.165 | | | | | | | |
| 2226 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 2227 | | | | | | | | | | | | | |
| 2228 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 2229 | | | | | | | | | | | | | |
| 2230 | Correlation Coefficient R | | | | | 0.931 | | | | | | | |
| 2231 | Shapiro Wilk Test Statistic | | | | | 0.872 | | | | | | | |
| 2232 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |

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| 2233 | Approximate Shapiro Wilk P Value | | | | | 0.00195 | | | | | | |
| 2234 | Lilliefors Test Statistic | | | | | 0.187 | | | | | | |
| 2235 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2236 | Data not Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2237 | | | | | | | | | | | | |
| 2238 | Non-parametric GOF Test Results | | | | | | | | | | | |
| 2239 | | | | | | | | | | | | |
| 2240 | Data do not follow a discernible distribution at (0.05) Level of Significanc | | | | | | | | | | | |
| 2241 | | | | | | | | | | | | |
| 2242 | Selenium (d6) | | | | | | | | | | | |
| 2243 | | | | | | | | | | | | |
| 2244 | Raw Statistics | | | | | | | | | | | |
| 2245 | Number of Valid Observations | | | | | 29 | | | | | | |
| 2246 | Number of Distinct Observations | | | | | 28 | | | | | | |
| 2247 | Minimum | | | | | 0.119 | | | | | | |
| 2248 | Maximum | | | | | 2.399 | | | | | | |
| 2249 | Mean of Raw Data | | | | | 0.404 | | | | | | |
| 2250 | Standard Deviation of Raw Data | | | | | 0.448 | | | | | | |
| 2251 | Khat | | | | | 1.888 | | | | | | |
| 2252 | Theta hat | | | | | 0.214 | | | | | | |
| 2253 | Kstar | | | | | 1.716 | | | | | | |
| 2254 | Theta star | | | | | 0.235 | | | | | | |
| 2255 | Mean of Log Transformed Data | | | | | -1.195 | | | | | | |
| 2256 | Standard Deviation of Log Transformed Data | | | | | 0.674 | | | | | | |
| 2257 | | | | | | | | | | | | |
| 2258 | Normal GOF Test Results | | | | | | | | | | | |
| 2259 | | | | | | | | | | | | |
| 2260 | Correlation Coefficient R | | | | | 0.73 | | | | | | |
| 2261 | Shapiro Wilk Test Statistic | | | | | 0.561 | | | | | | |
| 2262 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2263 | Approximate Shapiro Wilk P Value | | | | | 1.7950E-9 | | | | | | |
| 2264 | Lilliefors Test Statistic | | | | | 0.293 | | | | | | |
| 2265 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2266 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2267 | | | | | | | | | | | | |
| 2268 | Gamma GOF Test Results | | | | | | | | | | | |
| 2269 | | | | | | | | | | | | |
| 2270 | Correlation Coefficient R | | | | | 0.881 | | | | | | |
| 2271 | A-D Test Statistic | | | | | 1.918 | | | | | | |
| 2272 | A-D Critical (0.05) Value | | | | | 0.758 | | | | | | |
| 2273 | K-S Test Statistic | | | | | 0.238 | | | | | | |
| 2274 | K-S Critical(0.05) Value | | | | | 0.165 | | | | | | |
| 2275 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 2276 | | | | | | | | | | | | |
| 2277 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2278 | | | | | | | | | | | | |
| 2279 | Correlation Coefficient R | | | | | 0.945 | | | | | | |
| 2280 | Shapiro Wilk Test Statistic | | | | | 0.9 | | | | | | |
| 2281 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2282 | Approximate Shapiro Wilk P Value | | | | | 0.00988 | | | | | | |

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| 2283 | Lilliefors Test Statistic | | | | | 0.193 | | | | | | |
| 2284 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2285 | Data not Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2286 | | | | | | | | | | | | |
| 2287 | Non-parametric GOF Test Results | | | | | | | | | | | |
| 2288 | | | | | | | | | | | | |
| 2289 | Data do not follow a discernible distribution at (0.05) Level of Significance | | | | | | | | | | | |
| 2290 | | | | | | | | | | | | |
| 2340 | Silver (d1) | | | | | | | | | | | |
| 2341 | | | | | | | | | | | | |
| 2342 | Raw Statistics | | | | | | | | | | | |
| 2343 | Number of Valid Observations | | | | | 29 | | | | | | |
| 2344 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 2345 | Minimum | | | | | 0.0753 | | | | | | |
| 2346 | Maximum | | | | | 0.896 | | | | | | |
| 2347 | Mean of Raw Data | | | | | 0.233 | | | | | | |
| 2348 | Standard Deviation of Raw Data | | | | | 0.179 | | | | | | |
| 2349 | Khat | | | | | 2.686 | | | | | | |
| 2350 | Theta hat | | | | | 0.0868 | | | | | | |
| 2351 | Kstar | | | | | 2.431 | | | | | | |
| 2352 | Theta star | | | | | 0.0959 | | | | | | |
| 2353 | Mean of Log Transformed Data | | | | | -1.654 | | | | | | |
| 2354 | Standard Deviation of Log Transformed Data | | | | | 0.596 | | | | | | |
| 2355 | | | | | | | | | | | | |
| 2356 | Normal GOF Test Results | | | | | | | | | | | |
| 2357 | | | | | | | | | | | | |
| 2358 | Correlation Coefficient R | | | | | 0.849 | | | | | | |
| 2359 | Shapiro Wilk Test Statistic | | | | | 0.736 | | | | | | |
| 2360 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2361 | Approximate Shapiro Wilk P Value | | | | | 1.9723E-6 | | | | | | |
| 2362 | Lilliefors Test Statistic | | | | | 0.271 | | | | | | |
| 2363 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2364 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2365 | | | | | | | | | | | | |
| 2366 | Gamma GOF Test Results | | | | | | | | | | | |
| 2367 | | | | | | | | | | | | |
| 2368 | Correlation Coefficient R | | | | | 0.952 | | | | | | |
| 2369 | A-D Test Statistic | | | | | 1.308 | | | | | | |
| 2370 | A-D Critical (0.05) Value | | | | | 0.754 | | | | | | |
| 2371 | K-S Test Statistic | | | | | 0.203 | | | | | | |
| 2372 | K-S Critical(0.05) Value | | | | | 0.164 | | | | | | |
| 2373 | Data not Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 2374 | | | | | | | | | | | | |
| 2375 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2376 | | | | | | | | | | | | |
| 2377 | Correlation Coefficient R | | | | | 0.967 | | | | | | |
| 2378 | Shapiro Wilk Test Statistic | | | | | 0.933 | | | | | | |
| 2379 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2380 | Approximate Shapiro Wilk P Value | | | | | 0.0767 | | | | | | |
| 2381 | Lilliefors Test Statistic | | | | | 0.158 | | | | | | |

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| 2382 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2383 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 2384 | | | | | | | | | | | | | |
| 2385 | Silver (d6) | | | | | | | | | | | | |
| 2386 | | | | | | | | | | | | | |
| 2387 | Raw Statistics | | | | | | | | | | | | |
| 2388 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 2389 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 2390 | Minimum | | | | | 0.0725 | | | | | | | |
| 2391 | Maximum | | | | | 0.478 | | | | | | | |
| 2392 | Mean of Raw Data | | | | | 0.2 | | | | | | | |
| 2393 | Standard Deviation of Raw Data | | | | | 0.114 | | | | | | | |
| 2394 | Khat | | | | | 3.584 | | | | | | | |
| 2395 | Theta hat | | | | | 0.0557 | | | | | | | |
| 2396 | Kstar | | | | | 3.236 | | | | | | | |
| 2397 | Theta star | | | | | 0.0617 | | | | | | | |
| 2398 | Mean of Log Transformed Data | | | | | -1.756 | | | | | | | |
| 2399 | Standard Deviation of Log Transformed Data | | | | | 0.546 | | | | | | | |
| 2400 | | | | | | | | | | | | | |
| 2401 | Normal GOF Test Results | | | | | | | | | | | | |
| 2402 | | | | | | | | | | | | | |
| 2403 | Correlation Coefficient R | | | | | 0.942 | | | | | | | |
| 2404 | Shapiro Wilk Test Statistic | | | | | 0.878 | | | | | | | |
| 2405 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2406 | Approximate Shapiro Wilk P Value | | | | | 0.00268 | | | | | | | |
| 2407 | Lilliefors Test Statistic | | | | | 0.175 | | | | | | | |
| 2408 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2409 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 2410 | | | | | | | | | | | | | |
| 2411 | Gamma GOF Test Results | | | | | | | | | | | | |
| 2412 | | | | | | | | | | | | | |
| 2413 | Correlation Coefficient R | | | | | 0.985 | | | | | | | |
| 2414 | A-D Test Statistic | | | | | 0.511 | | | | | | | |
| 2415 | A-D Critical (0.05) Value | | | | | 0.751 | | | | | | | |
| 2416 | K-S Test Statistic | | | | | 0.135 | | | | | | | |
| 2417 | K-S Critical(0.05) Value | | | | | 0.164 | | | | | | | |
| 2418 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 2419 | | | | | | | | | | | | | |
| 2420 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 2421 | | | | | | | | | | | | | |
| 2422 | Correlation Coefficient R | | | | | 0.987 | | | | | | | |
| 2423 | Shapiro Wilk Test Statistic | | | | | 0.957 | | | | | | | |
| 2424 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2425 | Approximate Shapiro Wilk P Value | | | | | 0.31 | | | | | | | |
| 2426 | Lilliefors Test Statistic | | | | | 0.107 | | | | | | | |
| 2427 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2428 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 2429 | | | | | | | | | | | | | |
| 2479 | Sodium (d1) | | | | | | | | | | | | |
| 2480 | | | | | | | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L | |
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| 2481 | Raw Statistics | | | | | | | | | | | | |
| 2482 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 2483 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 2484 | Minimum | | | | | 44.08 | | | | | | | |
| 2485 | Maximum | | | | | 330.5 | | | | | | | |
| 2486 | Mean of Raw Data | | | | | 167.3 | | | | | | | |
| 2487 | Standard Deviation of Raw Data | | | | | 71.07 | | | | | | | |
| 2488 | Khat | | | | | 5.449 | | | | | | | |
| 2489 | Theta hat | | | | | 30.7 | | | | | | | |
| 2490 | Kstar | | | | | 4.908 | | | | | | | |
| 2491 | Theta star | | | | | 34.08 | | | | | | | |
| 2492 | Mean of Log Transformed Data | | | | | 5.025 | | | | | | | |
| 2493 | Standard Deviation of Log Transformed Data | | | | | 0.46 | | | | | | | |
| 2494 | | | | | | | | | | | | | |
| 2495 | Normal GOF Test Results | | | | | | | | | | | | |
| 2496 | | | | | | | | | | | | | |
| 2497 | Correlation Coefficient R | | | | | 0.984 | | | | | | | |
| 2498 | Shapiro Wilk Test Statistic | | | | | 0.962 | | | | | | | |
| 2499 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2500 | Approximate Shapiro Wilk P Value | | | | | 0.413 | | | | | | | |
| 2501 | Lilliefors Test Statistic | | | | | 0.137 | | | | | | | |
| 2502 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2503 | Data appear Normal at (0.05) Significance Level | | | | | | | | | | | | |
| 2504 | | | | | | | | | | | | | |
| 2505 | Gamma GOF Test Results | | | | | | | | | | | | |
| 2506 | | | | | | | | | | | | | |
| 2507 | Correlation Coefficient R | | | | | 0.991 | | | | | | | |
| 2508 | A-D Test Statistic | | | | | 0.178 | | | | | | | |
| 2509 | A-D Critical (0.05) Value | | | | | 0.747 | | | | | | | |
| 2510 | K-S Test Statistic | | | | | 0.0816 | | | | | | | |
| 2511 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | | |
| 2512 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | | |
| 2513 | | | | | | | | | | | | | |
| 2514 | Lognormal GOF Test Results | | | | | | | | | | | | |
| 2515 | | | | | | | | | | | | | |
| 2516 | Correlation Coefficient R | | | | | 0.985 | | | | | | | |
| 2517 | Shapiro Wilk Test Statistic | | | | | 0.972 | | | | | | | |
| 2518 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | | |
| 2519 | Approximate Shapiro Wilk P Value | | | | | 0.64 | | | | | | | |
| 2520 | Lilliefors Test Statistic | | | | | 0.0765 | | | | | | | |
| 2521 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | | |
| 2522 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | | |
| 2523 | | | | | | | | | | | | | |
| 2524 | Sodium (d6) | | | | | | | | | | | | |
| 2525 | | | | | | | | | | | | | |
| 2526 | Raw Statistics | | | | | | | | | | | | |
| 2527 | Number of Valid Observations | | | | | 29 | | | | | | | |
| 2528 | Number of Distinct Observations | | | | | 29 | | | | | | | |
| 2529 | Minimum | | | | | 45.42 | | | | | | | |
| 2530 | Maximum | | | | | 345 | | | | | | | |

| | A | B | C | D | E | F | G | H | I | J | K | L |
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| 2531 | Mean of Raw Data | | | | | 173.1 | | | | | | |
| 2532 | Standard Deviation of Raw Data | | | | | 73.29 | | | | | | |
| 2533 | Khat | | | | | 5.47 | | | | | | |
| 2534 | Theta hat | | | | | 31.66 | | | | | | |
| 2535 | Kstar | | | | | 4.927 | | | | | | |
| 2536 | Theta star | | | | | 35.14 | | | | | | |
| 2537 | Mean of Log Transformed Data | | | | | 5.06 | | | | | | |
| 2538 | Standard Deviation of Log Transformed Data | | | | | 0.46 | | | | | | |
| 2539 | | | | | | | | | | | | |
| 2540 | Normal GOF Test Results | | | | | | | | | | | |
| 2541 | | | | | | | | | | | | |
| 2542 | Correlation Coefficient R | | | | | 0.985 | | | | | | |
| 2543 | Shapiro Wilk Test Statistic | | | | | 0.966 | | | | | | |
| 2544 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2545 | Approximate Shapiro Wilk P Value | | | | | 0.505 | | | | | | |
| 2546 | Lilliefors Test Statistic | | | | | 0.145 | | | | | | |
| 2547 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2548 | Data appear Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2549 | | | | | | | | | | | | |
| 2550 | Gamma GOF Test Results | | | | | | | | | | | |
| 2551 | | | | | | | | | | | | |
| 2552 | Correlation Coefficient R | | | | | 0.993 | | | | | | |
| 2553 | A-D Test Statistic | | | | | 0.162 | | | | | | |
| 2554 | A-D Critical (0.05) Value | | | | | 0.747 | | | | | | |
| 2555 | K-S Test Statistic | | | | | 0.0909 | | | | | | |
| 2556 | K-S Critical(0.05) Value | | | | | 0.163 | | | | | | |
| 2557 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 2558 | | | | | | | | | | | | |
| 2559 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2560 | | | | | | | | | | | | |
| 2561 | Correlation Coefficient R | | | | | 0.985 | | | | | | |
| 2562 | Shapiro Wilk Test Statistic | | | | | 0.973 | | | | | | |
| 2563 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2564 | Approximate Shapiro Wilk P Value | | | | | 0.667 | | | | | | |
| 2565 | Lilliefors Test Statistic | | | | | 0.071 | | | | | | |
| 2566 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2567 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2568 | | | | | | | | | | | | |
| 2614 | Thallium (d1) | | | | | | | | | | | |
| 2615 | | | | | | | | | | | | |
| 2616 | Raw Statistics | | | | | | | | | | | |
| 2617 | Number of Valid Observations | | | | | 29 | | | | | | |
| 2618 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 2619 | Minimum | | | | | 0.115 | | | | | | |
| 2620 | Maximum | | | | | 0.917 | | | | | | |
| 2621 | Mean of Raw Data | | | | | 0.242 | | | | | | |
| 2622 | Standard Deviation of Raw Data | | | | | 0.155 | | | | | | |
| 2623 | Khat | | | | | 4.32 | | | | | | |
| 2624 | Theta hat | | | | | 0.0561 | | | | | | |
| 2625 | Kstar | | | | | 3.896 | | | | | | |

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| 2626 | | | | | Theta star | 0.0621 | | | | | | |
| 2627 | | | | | Mean of Log Transformed Data | -1.538 | | | | | | |
| 2628 | | | | | Standard Deviation of Log Transformed Data | 0.454 | | | | | | |
| 2629 | | | | | | | | | | | | |
| 2630 | | | | | Normal GOF Test Results | | | | | | | |
| 2631 | | | | | | | | | | | | |
| 2632 | | | | | Correlation Coefficient R | 0.799 | | | | | | |
| 2633 | | | | | Shapiro Wilk Test Statistic | 0.666 | | | | | | |
| 2634 | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | | |
| 2635 | | | | | Approximate Shapiro Wilk P Value | 9.7958E-8 | | | | | | |
| 2636 | | | | | Lilliefors Test Statistic | 0.231 | | | | | | |
| 2637 | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | | |
| 2638 | | | | | Data not Normal at (0.05) Significance Level | | | | | | | |
| 2639 | | | | | | | | | | | | |
| 2640 | | | | | Gamma GOF Test Results | | | | | | | |
| 2641 | | | | | | | | | | | | |
| 2642 | | | | | Correlation Coefficient R | 0.891 | | | | | | |
| 2643 | | | | | A-D Test Statistic | 1.102 | | | | | | |
| 2644 | | | | | A-D Critical (0.05) Value | 0.749 | | | | | | |
| 2645 | | | | | K-S Test Statistic | 0.144 | | | | | | |
| 2646 | | | | | K-S Critical(0.05) Value | 0.163 | | | | | | |
| 2647 | | | | | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | |
| 2648 | | | | | | | | | | | | |
| 2649 | | | | | Lognormal GOF Test Results | | | | | | | |
| 2650 | | | | | | | | | | | | |
| 2651 | | | | | Correlation Coefficient R | 0.952 | | | | | | |
| 2652 | | | | | Shapiro Wilk Test Statistic | 0.914 | | | | | | |
| 2653 | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | | |
| 2654 | | | | | Approximate Shapiro Wilk P Value | 0.0241 | | | | | | |
| 2655 | | | | | Lilliefors Test Statistic | 0.106 | | | | | | |
| 2656 | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | | |
| 2657 | | | | | Data appear Approximate_Lognormal at (0.05) Significance Level | | | | | | | |
| 2658 | | | | | | | | | | | | |
| 2659 | | | | | Thallium (d6) | | | | | | | |
| 2660 | | | | | | | | | | | | |
| 2661 | | | | | Raw Statistics | | | | | | | |
| 2662 | | | | | Number of Valid Observations | 29 | | | | | | |
| 2663 | | | | | Number of Distinct Observations | 29 | | | | | | |
| 2664 | | | | | Minimum | 0.11 | | | | | | |
| 2665 | | | | | Maximum | 0.492 | | | | | | |
| 2666 | | | | | Mean of Raw Data | 0.21 | | | | | | |
| 2667 | | | | | Standard Deviation of Raw Data | 0.0863 | | | | | | |
| 2668 | | | | | Khat | 7.584 | | | | | | |
| 2669 | | | | | Theta hat | 0.0277 | | | | | | |
| 2670 | | | | | Kstar | 6.823 | | | | | | |
| 2671 | | | | | Theta star | 0.0308 | | | | | | |
| 2672 | | | | | Mean of Log Transformed Data | -1.629 | | | | | | |
| 2673 | | | | | Standard Deviation of Log Transformed Data | 0.36 | | | | | | |
| 2674 | | | | | | | | | | | | |
| 2675 | | | | | Normal GOF Test Results | | | | | | | |

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| 2676 | | | | | | | | | | | | |
| 2677 | | | | | | Correlation Coefficient R | 0.918 | | | | | |
| 2678 | | | | | | Shapiro Wilk Test Statistic | 0.85 | | | | | |
| 2679 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 2680 | | | | | | Approximate Shapiro Wilk P Value | 5.6921E-4 | | | | | |
| 2681 | | | | | | Lilliefors Test Statistic | 0.185 | | | | | |
| 2682 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 2683 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2684 | | | | | | | | | | | | |
| 2685 | Gamma GOF Test Results | | | | | | | | | | | |
| 2686 | | | | | | | | | | | | |
| 2687 | | | | | | Correlation Coefficient R | 0.966 | | | | | |
| 2688 | | | | | | A-D Test Statistic | 0.732 | | | | | |
| 2689 | | | | | | A-D Critical (0.05) Value | 0.747 | | | | | |
| 2690 | | | | | | K-S Test Statistic | 0.154 | | | | | |
| 2691 | | | | | | K-S Critical(0.05) Value | 0.163 | | | | | |
| 2692 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 2693 | | | | | | | | | | | | |
| 2694 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2695 | | | | | | | | | | | | |
| 2696 | | | | | | Correlation Coefficient R | 0.976 | | | | | |
| 2697 | | | | | | Shapiro Wilk Test Statistic | 0.952 | | | | | |
| 2698 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 2699 | | | | | | Approximate Shapiro Wilk P Value | 0.235 | | | | | |
| 2700 | | | | | | Lilliefors Test Statistic | 0.131 | | | | | |
| 2701 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 2702 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2703 | | | | | | | | | | | | |
| 2749 | Vanadium (d1) | | | | | | | | | | | |
| 2750 | | | | | | | | | | | | |
| 2751 | Raw Statistics | | | | | | | | | | | |
| 2752 | | | | | | Number of Valid Observations | 29 | | | | | |
| 2753 | | | | | | Number of Distinct Observations | 29 | | | | | |
| 2754 | | | | | | Minimum | 17.37 | | | | | |
| 2755 | | | | | | Maximum | 54.62 | | | | | |
| 2756 | | | | | | Mean of Raw Data | 28.74 | | | | | |
| 2757 | | | | | | Standard Deviation of Raw Data | 7.123 | | | | | |
| 2758 | | | | | | Khat | 18.8 | | | | | |
| 2759 | | | | | | Theta hat | 1.528 | | | | | |
| 2760 | | | | | | Kstar | 16.88 | | | | | |
| 2761 | | | | | | Theta star | 1.702 | | | | | |
| 2762 | | | | | | Mean of Log Transformed Data | 3.331 | | | | | |
| 2763 | | | | | | Standard Deviation of Log Transformed Data | 0.233 | | | | | |
| 2764 | | | | | | | | | | | | |
| 2765 | Normal GOF Test Results | | | | | | | | | | | |
| 2766 | | | | | | | | | | | | |
| 2767 | | | | | | Correlation Coefficient R | 0.93 | | | | | |
| 2768 | | | | | | Shapiro Wilk Test Statistic | 0.886 | | | | | |
| 2769 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 2770 | | | | | | Approximate Shapiro Wilk P Value | 0.00437 | | | | | |

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| 2771 | Lilliefors Test Statistic | | | | | 0.149 | | | | | | |
| 2772 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2773 | Data appear Approximate Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2774 | | | | | | | | | | | | |
| 2775 | Gamma GOF Test Results | | | | | | | | | | | |
| 2776 | | | | | | | | | | | | |
| 2777 | Correlation Coefficient R | | | | | 0.95 | | | | | | |
| 2778 | A-D Test Statistic | | | | | 0.484 | | | | | | |
| 2779 | A-D Critical (0.05) Value | | | | | 0.744 | | | | | | |
| 2780 | K-S Test Statistic | | | | | 0.116 | | | | | | |
| 2781 | K-S Critical(0.05) Value | | | | | 0.162 | | | | | | |
| 2782 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 2783 | | | | | | | | | | | | |
| 2784 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2785 | | | | | | | | | | | | |
| 2786 | Correlation Coefficient R | | | | | 0.971 | | | | | | |
| 2787 | Shapiro Wilk Test Statistic | | | | | 0.957 | | | | | | |
| 2788 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2789 | Approximate Shapiro Wilk P Value | | | | | 0.309 | | | | | | |
| 2790 | Lilliefors Test Statistic | | | | | 0.119 | | | | | | |
| 2791 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2792 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2793 | | | | | | | | | | | | |
| 2794 | Vanadium (d6) | | | | | | | | | | | |
| 2795 | | | | | | | | | | | | |
| 2796 | Raw Statistics | | | | | | | | | | | |
| 2797 | Number of Valid Observations | | | | | 29 | | | | | | |
| 2798 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 2799 | Minimum | | | | | 18.05 | | | | | | |
| 2800 | Maximum | | | | | 57.61 | | | | | | |
| 2801 | Mean of Raw Data | | | | | 29.51 | | | | | | |
| 2802 | Standard Deviation of Raw Data | | | | | 7.694 | | | | | | |
| 2803 | Khat | | | | | 17.38 | | | | | | |
| 2804 | Theta hat | | | | | 1.698 | | | | | | |
| 2805 | Kstar | | | | | 15.61 | | | | | | |
| 2806 | Theta star | | | | | 1.891 | | | | | | |
| 2807 | Mean of Log Transformed Data | | | | | 3.356 | | | | | | |
| 2808 | Standard Deviation of Log Transformed Data | | | | | 0.241 | | | | | | |
| 2809 | | | | | | | | | | | | |
| 2810 | Normal GOF Test Results | | | | | | | | | | | |
| 2811 | | | | | | | | | | | | |
| 2812 | Correlation Coefficient R | | | | | 0.93 | | | | | | |
| 2813 | Shapiro Wilk Test Statistic | | | | | 0.885 | | | | | | |
| 2814 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2815 | Approximate Shapiro Wilk P Value | | | | | 0.00414 | | | | | | |
| 2816 | Lilliefors Test Statistic | | | | | 0.132 | | | | | | |
| 2817 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2818 | Data appear Approximate Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2819 | | | | | | | | | | | | |
| 2820 | Gamma GOF Test Results | | | | | | | | | | | |

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| 2821 | | | | | | | | | | | | |
| 2822 | | | | | | Correlation Coefficient R | 0.953 | | | | | |
| 2823 | | | | | | A-D Test Statistic | 0.327 | | | | | |
| 2824 | | | | | | A-D Critical (0.05) Value | 0.745 | | | | | |
| 2825 | | | | | | K-S Test Statistic | 0.0958 | | | | | |
| 2826 | | | | | | K-S Critical(0.05) Value | 0.162 | | | | | |
| 2827 | Data appear Gamma Distributed at (0.05) Significance Level | | | | | | | | | | | |
| 2828 | | | | | | | | | | | | |
| 2829 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2830 | | | | | | | | | | | | |
| 2831 | | | | | | Correlation Coefficient R | 0.978 | | | | | |
| 2832 | | | | | | Shapiro Wilk Test Statistic | 0.968 | | | | | |
| 2833 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 2834 | | | | | | Approximate Shapiro Wilk P Value | 0.542 | | | | | |
| 2835 | | | | | | Lilliefors Test Statistic | 0.0847 | | | | | |
| 2836 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 2837 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2838 | | | | | | | | | | | | |
| 2884 | Zinc (d1) | | | | | | | | | | | |
| 2885 | | | | | | | | | | | | |
| 2886 | Raw Statistics | | | | | | | | | | | |
| 2887 | | | | | | Number of Valid Observations | 29 | | | | | |
| 2888 | | | | | | Number of Distinct Observations | 29 | | | | | |
| 2889 | | | | | | Minimum | 69.99 | | | | | |
| 2890 | | | | | | Maximum | 623.4 | | | | | |
| 2891 | | | | | | Mean of Raw Data | 187.1 | | | | | |
| 2892 | | | | | | Standard Deviation of Raw Data | 127.9 | | | | | |
| 2893 | | | | | | Khat | 3.089 | | | | | |
| 2894 | | | | | | Theta hat | 60.56 | | | | | |
| 2895 | | | | | | Kstar | 2.792 | | | | | |
| 2896 | | | | | | Theta star | 66.99 | | | | | |
| 2897 | | | | | | Mean of Log Transformed Data | 5.061 | | | | | |
| 2898 | | | | | | Standard Deviation of Log Transformed Data | 0.566 | | | | | |
| 2899 | | | | | | | | | | | | |
| 2900 | Normal GOF Test Results | | | | | | | | | | | |
| 2901 | | | | | | | | | | | | |
| 2902 | | | | | | Correlation Coefficient R | 0.881 | | | | | |
| 2903 | | | | | | Shapiro Wilk Test Statistic | 0.785 | | | | | |
| 2904 | | | | | | Shapiro Wilk Critical (0.05) Value | 0.926 | | | | | |
| 2905 | | | | | | Approximate Shapiro Wilk P Value | 1.9186E-5 | | | | | |
| 2906 | | | | | | Lilliefors Test Statistic | 0.219 | | | | | |
| 2907 | | | | | | Lilliefors Critical (0.05) Value | 0.161 | | | | | |
| 2908 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2909 | | | | | | | | | | | | |
| 2910 | Gamma GOF Test Results | | | | | | | | | | | |
| 2911 | | | | | | | | | | | | |
| 2912 | | | | | | Correlation Coefficient R | 0.966 | | | | | |
| 2913 | | | | | | A-D Test Statistic | 0.828 | | | | | |
| 2914 | | | | | | A-D Critical (0.05) Value | 0.752 | | | | | |
| 2915 | | | | | | K-S Test Statistic | 0.142 | | | | | |

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| 2916 | K-S Critical(0.05) Value | | | | | 0.164 | | | | | | |
| 2917 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | |
| 2918 | | | | | | | | | | | | |
| 2919 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2920 | | | | | | | | | | | | |
| 2921 | Correlation Coefficient R | | | | | 0.976 | | | | | | |
| 2922 | Shapiro Wilk Test Statistic | | | | | 0.946 | | | | | | |
| 2923 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2924 | Approximate Shapiro Wilk P Value | | | | | 0.165 | | | | | | |
| 2925 | Lilliefors Test Statistic | | | | | 0.0994 | | | | | | |
| 2926 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2927 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2928 | | | | | | | | | | | | |
| 2929 | Zinc (d6) | | | | | | | | | | | |
| 2930 | | | | | | | | | | | | |
| 2931 | Raw Statistics | | | | | | | | | | | |
| 2932 | Number of Valid Observations | | | | | 29 | | | | | | |
| 2933 | Number of Distinct Observations | | | | | 29 | | | | | | |
| 2934 | Minimum | | | | | 72.66 | | | | | | |
| 2935 | Maximum | | | | | 497 | | | | | | |
| 2936 | Mean of Raw Data | | | | | 161.4 | | | | | | |
| 2937 | Standard Deviation of Raw Data | | | | | 100.9 | | | | | | |
| 2938 | Khat | | | | | 3.671 | | | | | | |
| 2939 | Theta hat | | | | | 43.96 | | | | | | |
| 2940 | Kstar | | | | | 3.315 | | | | | | |
| 2941 | Theta star | | | | | 48.69 | | | | | | |
| 2942 | Mean of Log Transformed Data | | | | | 4.942 | | | | | | |
| 2943 | Standard Deviation of Log Transformed Data | | | | | 0.516 | | | | | | |
| 2944 | | | | | | | | | | | | |
| 2945 | Normal GOF Test Results | | | | | | | | | | | |
| 2946 | | | | | | | | | | | | |
| 2947 | Correlation Coefficient R | | | | | 0.881 | | | | | | |
| 2948 | Shapiro Wilk Test Statistic | | | | | 0.782 | | | | | | |
| 2949 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2950 | Approximate Shapiro Wilk P Value | | | | | 1.7112E-5 | | | | | | |
| 2951 | Lilliefors Test Statistic | | | | | 0.197 | | | | | | |
| 2952 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2953 | Data not Normal at (0.05) Significance Level | | | | | | | | | | | |
| 2954 | | | | | | | | | | | | |
| 2955 | Gamma GOF Test Results | | | | | | | | | | | |
| 2956 | | | | | | | | | | | | |
| 2957 | Correlation Coefficient R | | | | | 0.959 | | | | | | |
| 2958 | A-D Test Statistic | | | | | 0.827 | | | | | | |
| 2959 | A-D Critical (0.05) Value | | | | | 0.751 | | | | | | |
| 2960 | K-S Test Statistic | | | | | 0.122 | | | | | | |
| 2961 | K-S Critical(0.05) Value | | | | | 0.164 | | | | | | |
| 2962 | Data follow Appr. Gamma Distribution at (0.05) Significance Level | | | | | | | | | | | |
| 2963 | | | | | | | | | | | | |
| 2964 | Lognormal GOF Test Results | | | | | | | | | | | |
| 2965 | | | | | | | | | | | | |

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| 2966 | Correlation Coefficient R | | | | | 0.971 | | | | | | |
| 2967 | Shapiro Wilk Test Statistic | | | | | 0.934 | | | | | | |
| 2968 | Shapiro Wilk Critical (0.05) Value | | | | | 0.926 | | | | | | |
| 2969 | Approximate Shapiro Wilk P Value | | | | | 0.0792 | | | | | | |
| 2970 | Lilliefors Test Statistic | | | | | 0.102 | | | | | | |
| 2971 | Lilliefors Critical (0.05) Value | | | | | 0.161 | | | | | | |
| 2972 | Data appear Lognormal at (0.05) Significance Level | | | | | | | | | | | |
| 2973 | | | | | | | | | | | | |

APPENDIX D

SOIL SAFETY GUIDELINES



Public Health Soil Safety Guidelines for Metals-Polluted Soil

Pend Oreille, Stevens, and Ferry Counties

Although adults do not usually eat soil, or breathe in soil on purpose, you do take in small amounts of soil and dust as you touch, breathe and swallow. Following these guidelines will help keep your family healthier. Dirt and dust can become polluted with metals such as lead and arsenic by past industrial practices, such as metal smelting. Children are particularly at risk from lead and other pollution. So encourage your family to follow soil safety guidelines to reduce the amount of dirt and dust you inhale and ingest.

Inside your home:

- Remove or leave shoes outside your home to avoid tracking in polluted soil.
- Wash hands and face thoroughly after working or playing in the soil, especially before cooking or eating.
- Use soap and water to wash — avoid “waterless” soaps.
- Damp mop and wipe surfaces often to control dust.
- Wash toddler toys and pacifiers often.
- Scrub vegetables and fruits with soap and water.
- After working in areas you know or believe have lead pollution in the soil, wash dirty clothes separately from other clothes.
- Repair painted surfaces in homes. Homes built before 1980 may contain lead-based paint. Older paint flakes may also be a source of lead.
- Eat a balanced diet. Iron and calcium help keep lead from becoming a problem in the body.



- Wash hands and face thoroughly after working or playing in the soil, especially before cooking or eating.
- Use soap and water to wash — avoid “waterless” soaps.
- Damp mop and wipe surfaces often to control dust.
- Wash toddler toys and pacifiers often.
- Scrub vegetables and fruits with soap and water.

Outside your home:

- Keep children from playing in dirt you know is polluted with metals.
- Cover bare patches of dirt with bark, sod, decking, or other materials, or fence off areas if you know they’re polluted with metals.
- Dampen dusty soils before gardening or digging so you don’t breathe in the dust.
- Wear gardening gloves.
- Do not eat or drink in metals polluted areas.
- Grow your fruit and vegetables in raised beds with clean soil, or mix plenty of compost and other amendments in your garden soil to decrease the amount of pollution in the soil. Avoid railroad ties or pressure treated lumber, they can contain chemicals that pollute soil.
- Do not plant food crops under the roof overhang of your home, where pollution may accumulate.
- Be aware that pets can track polluted dirt into the house on their fur and paws.

Some soils in Pend Oreille, Stevens and Ferry Counties are polluted with metals such as arsenic and lead.

Lead and arsenic are harmful and can cause health problems. While not easily absorbed by the skin, these metals can enter the body when small amounts are eaten or breathed. Young children are the most vulnerable. *If you have young children, talk to their pediatrician about a simple blood-lead test.*

For more information on health related questions please contact the Northeast Tri County Health District:

☎ 509-684-2262

🌐 <http://www.netchd.org>

Text of this document is sourced from the Seattle and King County public health guidelines. Visit

🌐 http://www.ecy.wa.gov/programs/tcp/area_wide/AW/Public%20Health%20S&K.pdf

