**Trace element data for volcanic rocks from Sonora Pass, California**
Method: ICP-MS

Analyst:
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See Busby et al. 2007a, b for major oxides, sample descriptions and locations

| Formation | Sample Numb | Be | Sc | V | Co | Rb | Sr |
|---|---|---|---|---|---|---|---|
| Stanislaus | BP007-1 | 2.12 | 26.28 | 218.73 | 46.27 | 78.87 | 623.39 |
| Stanislaus | BP020-1 | 1.44 | 18.0 | 176.2 | 30.6 | 26.3 | 825.3 |
| Stanislaus | BP046-1 | 3.70 | 22.2 | 197.0 | 27.7 | 107.1 | 1020.5 |
| Stanislaus | DC036-1 | 2.54 | 44.87 | 252.57 | 53.10 | 98.98 | 805.17 |
| Stanislaus | DC064-1 | 4.04 | 11.9 | 170.8 | 11.3 | 210.5 | 507.1 |
| Stanislaus | DC065-1 | 5.25 | 11.1 | 193.7 | 13.6 | 269.2 | 508.6 |
| Stanislaus | DCO16-1 | 3.80 | 16.3 | 209.9 | 22.5 | 170.8 | 846.9 |
| Stanislaus | PC005-1 | 4.10 | 14.7 | 210.2 | 21.5 | 136.5 | 889.9 |
| Stanislaus | PC032-1 | 4.33 | 16.5 | 199.1 | 15.6 | 153.8 | 712.8 |
| Stanislaus | PC065-1 | 3.76 | 12.1 | 162.2 | 17.1 | 176.0 | 718.7 |

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|---|---|---|---|---|---|---|---|
| Stanislaus/Lit | LW-107 CMS 1. | 4.00 | 12.8 | 56.9 | 59.7 | 152.0 | 604.9 |
| Stanislaus/Lit | LW-108 Sl-1 3- | 2.41 | 20.16 | 200.23 | 92.36 | 95.22 | 1166.02 |
| Stanislaus/Lit | LW-110 MO-1 3 | 1.95 | 19.2 | 188.5 | 202.2 | 101.4 | 330.0 |
| Stanislaus/Lit | LW-111 CMS 1. | 3.14 | 10.40 | 111.11 | 151.88 | 108.81 | 897.00 |
| Stanislaus/Lit | LW-112 MO-1 3 | 2.46 | 3.2 | 46.2 | 583.4 | 104.5 | 464.2 |
| Stanislaus/Lit | LW-112 XM CM | 3.25 | 7.5 | 76.5 | 616.1 | 69.5 | 788.0 |
| Stanislaus/Lit | LW-113 CMS 1. | 2.75 | 15.67 | 186.48 | 62.64 | 116.53 | 932.99 |
| Stanislaus/Lit | LW114 RM-1 4- | 4.03 | 9.6 | 115.1 | 196.0 | 167.9 | 716.0 |
| Stanislaus/Lit | LW-115 CMS 1. | 3.17 | 9.6 | 131.5 | 308.1 | 51.9 | 1023.9 |
| Stanislaus/Lit | LW-116 SL-1 3 | 2.79 | 9.1 | 126.8 | 35.0 | 105.5 | 989.6 |
| Stanislaus/Lit | LW-117 CMS 1. | 3.50 | 7.9 | 69.6 | 85.0 | 99.1 | 942.3 |
| Stanislaus/Lit | LWK 103 Rm1 4 | 2.39 | 14.8 | 185.2 | 155.3 | 66.3 | 1190.6 |
| Stanislaus/Lit | LW-K102 SL-1 | 2.85 | 13.85 | 168.61 | 66.10 | 107.07 | 1187.06 |
| Stanislaus/Eu | TBEVT3P NB | 3.87 | 12.6 | 44.2 | 75.1 | 162.7 | 544.2 |
| Stanislaus/Eu | SLEVT5P NB | 3.46 | 9.6 | 39.9 | 2.4 | 176.9 | 461.5 |
| Stanislaus/Eu | SLEVT1P NB | 3.67 | 14.0 | 53.0 | 2.9 | 177.7 | 550.3 |
| Stanislaus/Eu | MOEVT 4P 1NB | 3.76 | 11.2 | 40.9 | 187.0 | 175.5 | 533.4 |
| Stanislaus/Eu | MOEVT 2P 1NB | 4.00 | 14.2 | 49.6 | 71.9 | 164.6 | 623.8 |
| Stanislaus/Eu | TBEVT1P NB | 3.79 | 17.4 | 62.6 | 547.3 | 156.6 | 615.1 |
| Stanislaus/Eu | SLEVT4P NB | 3.62 | 9.1 | 39.4 | 361.1 | 183.7 | 395.3 |
| Stanislaus/Eu | MOEVT3P NB | 3.94 | 13.5 | 46.9 | 358.8 | 167.2 | 596.4 |
| Stanislaus/Eu | LTEVTP2 NB | 3.93 | 12.8 | 49.8 | 375.0 | 170.0 | 553.4 |
| post-Stanisla | BP022-1 | 1.62 | 23.3 | 226.9 | 20.3 | 20.7 | 951.7 |
| post-Stanisla | BP031-1 | 1.22 | 20.8 | 207.7 | 27.4 | 30.1 | 775.5 |
| post-Stanisla | BP068-1 | 1.99 | 11.8 | 150.4 | 16.8 | 36.5 | 1088.2 |
| Relief Peak (p | TMOB 1-SP-05 | 1.38 | 23.5 | 217.4 | 88.1 | 23.4 | 671.4 |
| Relief Peak (p | TMOB 2.1-SP-0 | 1.38 | 27.6 | 220.4 | 203.4 | 24.5 | 649.2 |
| Relief Peak (p | TMOB 2 TOP? 1 | 1.39 | 26.3 | 221.0 | 198.1 | 24.2 | 640.1 |
| Relief Peak (p | TMOB 3.1-SP-0 | 1.28 | 31.1 | 232.0 | 227.2 | 19.9 | 485.8 |
| Relief Peak (p | TMOB 4-SP-05 | 1.29 | 30.3 | 219.0 | 174.9 | 15.1 | 428.6 |
| Relief Peak (p | TMOB 4 TOP-SP | 1.00 | 30.0 | 224.1 | 186.8 | 13.6 | 470.1 |
| Relief Peak (p | TMOB 5-SP-05 | 1.14 | 31.3 | 228.5 | 169.2 | 17.6 | 464.3 |
| Relief Peak (p | TMOB 6-SP-05 | 1.14 | 31.5 | 224.9 | 220.4 | 13.8 | 467.3 |

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|---|---|---|---|---|---|---|---|
| Relief Peak (p | TMOBWM NB-S | 1.23 | 48.65 | 218.43 | 87.14 | 42.76 | 392.01 |
| Relief Peak (p | DC067-1 | 1.17 | 36.65 | 228.76 | 56.23 | 31.57 | 407.96 |
| Relief Peak (p | RP-1 KT-1 3-25 | 2.33 | 14.99 | 171.08 | 106.16 | 72.67 | 1146.91 |
| Relief Peak (p | RP-4 KAT 3-31- | 2.31 | 13.5 | 236.0 | 53.9 | 41.5 | 1685.3 |
| Relief Peak (p | RP-7 VS-1 3-25 | 2.66 | 24.61 | 246.61 | 78.62 | 65.84 | 983.59 |
| Relief Peak (p | RP-8 CMS 1.1 3 | 2.63 | 10.6 | 57.1 | 47.9 | 105.3 | 213.7 |
| Relief Peak (p | RP-9 KT-1 3-25 | 1.75 | 4.09 | 89.24 | 170.34 | 53.59 | 1322.72 |
| Relief Peak (p | RP-DP CMS-1.1 | 5.22 | 17.24 | 224.69 | 276.98 | 150.83 | 863.31 |
| Relief Peak (p | RLBA NB-SP-05 | 1.78 | 10.0 | 166.1 | 95.6 | 35.0 | 1223.7 |
| Relief Peak (p | RP DIKE-SP-05 | 1.83 | 29.3 | 250.8 | 139.7 | 44.5 | 803.0 |
| Relief Peak (p | HBL AND PLUG- | 1.93 | 13.6 | 187.9 | 180.1 | 52.0 | 1205.4 |

| Y | Zr | Nb | Mo | Sn | Cs | Ba | La | Ce |
|---|---|---|---|---|---|---|---|---|
| 26.29 | 265.23 | 37.29 | 0.74 | 2.19 | 3.58 | 613.98 | 38.58 | 85.04 |
| 13.4 | 122.2 | 4.2 | 0.7 | 0.9 | 1.2 | 825.0 | 16.1 | 34.1 |
| 24.1 | 238.1 | 11.9 | 1.0 | 2.2 | 3.3 | 1169.4 | 39.4 | 86.4 |
| 33.30 | 290.86 | 9.82 | 0.65 | 2.37 | 2.06 | ##### | 46.59 | 96.36 |
| 32.4 | 313.5 | 4.1 | 5.2 | 1.5 | 13.0 | 1647.6 | 73.0 | 141.4 |
| 36.9 | 469.7 | 7.0 | 7.3 | 1.7 | 18.4 | 1514.4 | 91.5 | 179.4 |
| 26.5 | 384.5 | 19.6 | 4.5 | 2.9 | 11.3 | 1242.5 | 58.8 | 119.1 |
| 26.7 | 429.8 | 21.2 | 2.2 | 2.7 | 3.2 | 1387.2 | 66.7 | 133.5 |
| 32.1 | 528.7 | 24.6 | 3.3 | 3.9 | 5.5 | 1240.8 | 69.1 | 138.8 |
| 23.6 | 53.4 | 5.9 | 3.7 | 1.8 | 10.5 | 1375.4 | 49.7 | 97.8 |

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|---|---|---|---|---|---|---|---|---|
| 28.0 | 382.0 | 15.6 | 3.5 | 2.6 | 7.9 | 2044.9 | 59.8 | 117.3 |
| 23.30 | 202.88 | 10.41 | 1.84 | 1.87 | 3.76 | ##### | 41.35 | 86.39 |
| 28.4 | 9.7 | 4.0 | 2.4 | 1.6 | 5.7 | 1260.7 | 23.1 | 45.7 |
| 26.81 | 363.92 | 14.77 | 2.64 | 2.71 | 2.43 | ##### | 60.93 | 120.55 |
| 4.9 | 5.6 | 6.0 | 0.3 | 1.0 | 1.3 | 847.1 | 17.7 | 29.0 |
| 19.1 | 242.0 | 6.0 | 0.6 | 2.2 | 1.6 | 1317.8 | 40.0 | 82.3 |
| 23.39 | 295.42 | 12.99 | 1.00 | 2.47 | 1.61 | ##### | 47.95 | 96.70 |
| 22.5 | 331.5 | 17.8 | 3.1 | 2.3 | 4.8 | 1172.2 | 51.6 | 101.4 |
| 25.2 | 315.7 | 15.0 | 0.9 | 2.4 | 2.3 | 1654.8 | 56.3 | 110.0 |
| 22.4 | 321.1 | 14.0 | 0.8 | 2.3 | 2.0 | 1801.8 | 56.1 | 107.6 |
| 25.0 | 366.1 | 17.1 | 0.9 | 2.6 | 2.3 | 1855.6 | 63.7 | 122.8 |
| 18.3 | 197.0 | 7.9 | 1.3 | 1.5 | 2.4 | 1489.9 | 39.3 | 79.3 |
| 22.80 | 257.44 | 11.49 | 1.78 | 1.96 | 3.36 | ##### | 48.04 | 94.09 |
| 29.2 | 353.0 | 16.1 | 3.9 | 2.6 | 8.7 | 2010.2 | 62.6 | 130.1 |
| 29.8 | 403.1 | 19.2 | 4.5 | 2.7 | 9.4 | 2057.8 | 67.2 | 128.6 |
| 32.7 | 398.1 | 20.9 | 4.3 | 3.0 | 9.2 | 2141.7 | 68.8 | 133.6 |
| 31.2 | 392.6 | 21.1 | 4.5 | 2.9 | 9.3 | 2049.1 | 66.1 | 129.3 |
| 31.6 | 373.5 | 20.6 | 4.1 | 2.6 | 8.8 | 2066.1 | 65.7 | 131.6 |
| 32.1 | 379.9 | 15.2 | 4.0 | 2.7 | 8.1 | 2182.4 | 63.7 | 129.3 |
| 30.1 | 412.5 | 21.2 | 4.6 | 2.7 | 10.6 | 1999.6 | 65.6 | 128.0 |
| 32.7 | 375.3 | 20.3 | 4.1 | 2.6 | 8.6 | 1985.3 | 65.9 | 127.3 |
| 30.8 | 388.2 | 21.1 | 4.2 | 2.8 | 9.1 | 2029.4 | 66.1 | 130.8 |
| 19.5 | 122.6 | 5.2 | 0.7 | 1.1 | 1.0 | 735.5 | 27.1 | 54.7 |
| 16.6 | 117.3 | 5.0 | 0.5 | 1.1 | 1.4 | 753.9 | 17.7 | 37.0 |
| 19.3 | 136.6 | 6.8 | 0.5 | 1.2 | 0.8 | 1002.9 | 32.7 | 67.2 |
| 28.3 | 248.5 | 17.3 | 0.9 | 1.3 | 0.5 | 707.9 | 37.8 | 82.6 |
| 31.8 | 269.6 | 18.5 | 1.0 | 1.4 | 0.5 | 676.1 | 40.6 | 86.1 |
| 31.2 | 263.4 | 17.5 | 1.0 | 1.5 | 0.5 | 683.0 | 39.6 | 85.8 |
| 31.5 | 216.3 | 13.9 | 0.8 | 1.2 | 0.4 | 472.2 | 28.5 | 62.2 |
| 28.2 | 159.8 | 7.9 | 0.6 | 0.9 | 0.3 | 439.1 | 24.0 | 51.9 |
| 29.7 | 70.1 | 6.2 | 0.6 | 0.9 | 0.4 | 427.2 | 25.3 | 53.7 |
| 30.2 | 191.1 | 12.2 | 0.9 | 1.2 | 0.5 | 470.4 | 25.2 | 56.0 |
| 30.4 | 164.0 | 7.8 | 0.6 | 0.9 | 0.4 | 570.3 | 26.0 | 55.3 |

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|---|---|---|---|---|---|---|---|---|
| 36.52 | 188.10 | 9.54 | 0.35 | 1.30 | 0.16 | 446.92 | 24.62 | 52.21 |
| 31.40 | 161.36 | 7.91 | 0.41 | 1.32 | 0.30 | 390.93 | 18.74 | 40.97 |
| 17.89 | 143.54 | 10.20 | 0.56 | 2.16 | 2.88 | ##### | 40.48 | 84.36 |
| 23.8 | 174.6 | 6.9 | 0.7 | 1.6 | 12.8 | 1009.3 | 65.2 | 130.1 |
| 24.48 | 159.19 | 8.28 | 0.80 | 2.30 | 1.33 | ##### | 35.63 | 78.68 |
| 21.3 | 35.2 | 6.6 | 0.5 | 1.6 | 8.7 | 618.2 | 39.4 | 73.8 |
| 6.92 | 69.48 | 5.46 | 0.42 | 0.59 | 0.95 | ##### | 28.79 | 50.22 |
| 38.74 | 443.76 | 20.14 | 3.54 | 3.84 | 7.10 | ##### | 81.40 | 167.29 |
| 16.8 | 151.7 | 5.8 | 0.3 | 3.0 | 1.5 | 1482.1 | 41.4 | 82.8 |
| 22.4 | 163.7 | 7.0 | 1.0 | 1.5 | 2.1 | 1012.9 | 35.5 | 72.2 |
| 19.0 | 157.3 | 7.2 | 1.1 | 1.3 | 2.4 | 826.6 | 30.3 | 63.3 |

| Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm |
|---|---|---|---|---|---|---|---|---|---|
| 11.05 | 44.08 | 9.85 | 2.04 | 6.97 | 0.94 | 4.55 | 0.88 | 2.14 | 0.31 |
| 4.4 | 19.0 | 3.8 | 1.2 | 3.4 | 0.5 | 2.4 | 0.5 | 1.3 | 0.2 |
| 11.5 | 48.6 | 9.2 | 2.5 | 8.9 | 1.0 | 4.6 | 0.9 | 2.1 | 0.3 |
| 12.15 | 49.51 | 10.83 | 2.16 | 7.91 | 1.04 | 5.07 | 1.00 | 2.51 | 0.37 |
| 17.0 | 64.5 | 11.0 | 2.1 | 8.3 | 1.1 | 5.7 | 1.2 | 3.0 | 0.4 |
| 21.0 | 80.1 | 13.0 | 2.3 | 9.9 | 1.3 | 6.6 | 1.3 | 3.5 | 0.5 |
| 13.9 | 52.3 | 9.1 | 1.9 | 7.4 | 0.9 | 4.6 | 0.9 | 2.4 | 0.3 |
| 15.9 | 60.9 | 10.1 | 2.2 | 8.1 | 1.0 | 4.7 | 0.9 | 2.4 | 0.3 |
| 17.1 | 66.1 | 11.4 | 2.2 | 9.1 | 1.2 | 5.7 | 1.2 | 3.0 | 0.4 |
| 11.5 | 43.9 | 7.9 | 1.8 | 6.0 | 0.9 | 4.2 | 0.8 | 2.1 | 0.3 |

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|---|---|---|---|---|---|---|---|---|---|
| 14.1 | 54.4 | 9.6 | 2.3 | 7.7 | 1.0 | 4.9 | 1.0 | 2.6 | 0.4 |
| 10.61 | 42.40 | 8.95 | 1.72 | 6.28 | 0.79 | 3.78 | 0.71 | 1.77 | 0.25 |
| 5.7 | 23.3 | 5.1 | 1.3 | 4.7 | 0.8 | 4.6 | 1.0 | 2.7 | 0.4 |
| 14.08 | 52.53 | 9.98 | 1.73 | 6.74 | 0.87 | 4.04 | 0.77 | 1.99 | 0.30 |
| 3.0 | 11.1 | 1.9 | 0.6 | 1.5 | 0.2 | 0.9 | 0.2 | 0.4 | 0.1 |
| 9.7 | 36.8 | 6.4 | 1.7 | 5.0 | 0.7 | 3.3 | 0.7 | 1.7 | 0.3 |
| 11.44 | 42.61 | 8.38 | 1.55 | 5.87 | 0.74 | 3.59 | 0.70 | 1.77 | 0.26 |
| 11.6 | 43.6 | 7.2 | 1.7 | 6.1 | 0.8 | 3.8 | 0.8 | 2.0 | 0.3 |
| 13.1 | 51.1 | 8.7 | 2.3 | 7.1 | 0.9 | 4.3 | 0.8 | 2.2 | 0.3 |
| 12.8 | 49.2 | 8.5 | 2.2 | 6.8 | 0.9 | 4.1 | 0.8 | 2.1 | 0.3 |
| 14.0 | 52.4 | 8.9 | 2.2 | 7.3 | 0.9 | 4.3 | 0.9 | 2.2 | 0.3 |
| 9.7 | 38.0 | 6.7 | 1.9 | 5.5 | 0.7 | 3.2 | 0.7 | 1.6 | 0.2 |
| 11.64 | 43.32 | 8.52 | 1.60 | 6.07 | 0.72 | 3.38 | 0.64 | 1.64 | 0.25 |
| 14.8 | 56.7 | 10.0 | 2.4 | 7.9 | 1.0 | 5.1 | 1.0 | 2.8 | 0.4 |
| 14.9 | 56.9 | 9.8 | 2.3 | 7.7 | 1.0 | 5.1 | 1.1 | 2.8 | 0.4 |
| 15.5 | 60.4 | 10.7 | 2.5 | 8.8 | 1.1 | 5.7 | 1.1 | 3.0 | 0.4 |
| 15.3 | 58.5 | 10.2 | 2.4 | 8.3 | 1.0 | 5.3 | 1.1 | 2.8 | 0.4 |
| 15.4 | 58.9 | 10.2 | 2.5 | 8.6 | 1.1 | 5.5 | 1.1 | 2.8 | 0.4 |
| 14.9 | 57.9 | 10.0 | 2.5 | 8.3 | 1.1 | 5.5 | 1.1 | 3.0 | 0.4 |
| 15.0 | 56.1 | 9.7 | 2.2 | 7.8 | 1.0 | 5.1 | 1.1 | 2.8 | 0.4 |
| 15.2 | 58.6 | 10.4 | 2.4 | 8.7 | 1.1 | 5.4 | 1.1 | 3.0 | 0.4 |
| 15.1 | 57.7 | 10.1 | 2.3 | 8.5 | 1.0 | 5.3 | 1.1 | 2.7 | 0.4 |
| 6.6 | 27.2 | 5.3 | 1.5 | 4.3 | 0.6 | 3.4 | 0.7 | 1.9 | 0.3 |
| 4.9 | 21.4 | 4.4 | 1.2 | 3.9 | 0.6 | 3.0 | 0.6 | 1.6 | 0.2 |
| 8.2 | 34.0 | 6.1 | 1.7 | 4.6 | 0.7 | 3.3 | 0.7 | 1.8 | 0.3 |
| 9.9 | 40.5 | 7.5 | 1.9 | 6.5 | 1.0 | 5.1 | 1.1 | 2.7 | 0.4 |
| 10.5 | 42.6 | 8.0 | 2.1 | 6.9 | 1.0 | 5.6 | 1.2 | 3.1 | 0.4 |
| 10.3 | 42.3 | 7.9 | 2.0 | 6.9 | 1.0 | 5.6 | 1.2 | 3.0 | 0.4 |
| 7.7 | 32.0 | 6.3 | 1.7 | 5.9 | 0.9 | 5.2 | 1.1 | 3.0 | 0.4 |
| 6.6 | 27.5 | 5.5 | 1.5 | 5.1 | 0.8 | 4.8 | 1.1 | 2.8 | 0.4 |
| 6.9 | 28.4 | 5.7 | 1.6 | 5.3 | 0.9 | 5.1 | 1.1 | 2.9 | 0.4 |
| 6.9 | 28.8 | 5.9 | 1.6 | 5.5 | 0.9 | 5.0 | 1.1 | 3.0 | 0.4 |
| 6.9 | 29.4 | 6.0 | 1.6 | 5.4 | 0.9 | 5.1 | 1.1 | 3.0 | 0.4 |

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|---|---|---|---|---|---|---|---|---|---|
| 6.56 | 27.12 | 6.24 | 1.49 | 5.47 | 0.89 | 5.02 | 1.08 | 2.86 | 0.44 |
| 5.11 | 21.45 | 5.59 | 1.38 | 4.95 | 0.84 | 4.82 | 1.05 | 2.82 | 0.43 |
| 10.49 | 42.26 | 8.61 | 1.74 | 5.97 | 0.76 | 3.45 | 0.64 | 1.54 | 0.21 |
| 15.8 | 61.9 | 10.4 | 2.6 | 8.1 | 1.0 | 4.5 | 0.9 | 2.1 | 0.3 |
| 10.50 | 43.91 | 10.20 | 2.00 | 6.93 | 0.91 | 4.17 | 0.79 | 1.87 | 0.27 |
| 8.5 | 32.1 | 6.0 | 1.3 | 4.9 | 0.7 | 3.8 | 0.8 | 2.1 | 0.3 |
| 5.17 | 18.22 | 3.26 | 1.02 | 2.34 | 0.26 | 1.24 | 0.23 | 0.57 | 0.09 |
| 20.54 | 75.04 | 14.52 | 2.12 | 9.69 | 1.24 | 5.93 | 1.14 | 2.85 | 0.42 |
| 10.0 | 40.0 | 7.0 | 1.9 | 5.4 | 0.7 | 3.2 | 0.6 | 1.5 | 0.2 |
| 8.7 | 35.7 | 6.7 | 1.9 | 5.3 | 0.8 | 4.0 | 0.8 | 2.1 | 0.3 |
| 7.7 | 32.1 | 6.1 | 1.7 | 4.9 | 0.7 | 3.4 | 0.7 | 1.7 | 0.2 |

| Yb | Lu | Hf | Ta | Pb | Th | U | Cr | Ni | Cu |
|---|---|---|---|---|---|---|---|---|---|
| 1.93 | 0.29 | 6.78 | 2.25 | 7.30 | 5.14 | 1.90 | | | |
| 1.2 | 0.2 | 3.4 | 0.2 | 13.7 | 1.7 | 0.8 | 287.4 | 222.5 | 33.9 |
| 1.8 | 0.3 | 6.6 | 0.6 | 10.4 | 8.0 | 3.2 | < 0.1 | 19.5 | 68.8 |
| 2.43 | 0.38 | 7.64 | 0.60 | 9.88 | 10.09 | 3.20 | | | |
| 2.9 | 0.5 | 7.1 | 0.3 | 31.6 | 32.1 | 11.7 | < 0.1 | 5.8 | 71.3 |
| 3.2 | 0.5 | 9.6 | 0.4 | 37.2 | 46.7 | 16.4 | < 0.1 | 8.7 | 64.7 |
| 2.3 | 0.3 | 10.1 | 1.3 | 25.5 | 30.0 | 10.6 | 55.0 | 50.7 | 98.5 |
| 2.1 | 0.3 | 10.7 | 1.2 | 25.4 | 21.2 | 6.6 | 101.6 | 74.7 | 167.4 |
| 2.7 | 0.4 | 14.4 | 1.5 | 26.6 | 27.8 | 8.7 | 99.4 | 32.2 | 127.1 |
| 2.1 | 0.3 | 2.4 | 0.4 | 23.6 | 24.7 | 8.5 | 29.0 | 32.4 | 46.8 |

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|---|---|---|---|---|---|---|---|---|---|
| 2.5 | 0.4 | 10.1 | 1.0 | 26.7 | 18.7 | 7.0 | < 0.1 | 1.4 | 21.4 |
| 1.65 | 0.26 | 5.75 | 0.75 | 16.96 | 10.93 | 3.51 | | | |
| 2.6 | 0.4 | 0.5 | 0.3 | 21.8 | 7.9 | 2.2 | 29.9 | 38.1 | < 0.3 |
| 1.95 | 0.32 | 8.79 | 1.02 | 27.10 | 25.89 | 7.23 | | | |
| 0.5 | 0.1 | 0.5 | 0.8 | 20.2 | 16.3 | 3.7 | < 0.1 | 3.1 | 5.7 |
| 1.7 | 0.3 | 6.3 | 0.5 | 36.8 | 12.9 | 6.4 | 5.8 | 7.6 | 37.0 |
| 1.82 | 0.29 | 7.62 | 0.88 | 21.23 | 21.40 | 5.94 | | | |
| 1.9 | 0.3 | 9.4 | 1.3 | 24.7 | 23.7 | 8.0 | 21.6 | 20.4 | 58.2 |
| 2.1 | 0.3 | 8.3 | 1.1 | 22.7 | 17.8 | 6.3 | 11.8 | 4.0 | 35.6 |
| 2.0 | 0.3 | 8.5 | 0.6 | 21.2 | 18.3 | 6.4 | 10.7 | 3.3 | 29.7 |
| 2.2 | 0.3 | 9.4 | 1.1 | 28.8 | 20.5 | 7.5 | 5.9 | 3.7 | 24.3 |
| 1.5 | 0.2 | 5.3 | 0.5 | 23.4 | 9.2 | 3.5 | 7.8 | 25.1 | 65.5 |
| 1.65 | 0.26 | 6.58 | 0.77 | 24.36 | 14.46 | 4.59 | | | |
| 2.6 | 0.4 | 9.8 | 1.0 | 30.2 | 26.1 | 10.0 | 3.3 | 5.0 | 8.5 |
| 2.7 | 0.4 | 10.7 | 1.1 | 32.0 | 25.3 | 9.3 | < 0.1 | 3.2 | 3.5 |
| 2.8 | 0.5 | 10.8 | 1.4 | 30.7 | 25.4 | 9.4 | 4.1 | 2.5 | 6.5 |
| 2.6 | 0.4 | 10.5 | 1.4 | 31.6 | 24.9 | 9.2 | 4.0 | 2.0 | 4.5 |
| 2.8 | 0.4 | 10.1 | 1.4 | 29.8 | 23.6 | 8.7 | < 0.1 | 3.9 | 9.3 |
| 2.9 | 0.5 | 9.8 | 1.1 | 31.0 | 23.1 | 10.3 | 7.4 | 9.3 | 12.6 |
| 2.7 | 0.4 | 11.3 | 1.4 | 31.4 | 26.3 | 9.7 | 3.1 | 4.9 | 6.2 |
| 2.9 | 0.4 | 10.0 | 1.5 | 29.7 | 23.8 | 9.2 | < 0.1 | 3.4 | 9.7 |
| 2.6 | 0.4 | 10.4 | 1.5 | 31.3 | 24.6 | 9.0 | 1.7 | 5.4 | 8.7 |
| 1.8 | 0.3 | 3.5 | 0.3 | 9.8 | 5.2 | 1.6 | 9.4 | 9.7 | 16.1 |
| 1.5 | 0.2 | 3.4 | 0.3 | 7.9 | 2.3 | 0.6 | 163.6 | 75.3 | 44.8 |
| 1.7 | 0.3 | 3.3 | 0.4 | 10.2 | 4.7 | 1.5 | < 0.1 | 12.9 | 20.0 |
| 2.4 | 0.4 | 6.0 | 0.9 | 6.4 | 2.9 | 0.6 | 235.2 | 199.3 | 51.7 |
| 2.8 | 0.4 | 6.3 | 1.0 | 7.0 | 3.3 | 0.8 | 251.5 | 214.8 | 66.2 |
| 2.8 | 0.4 | 6.4 | 1.0 | 6.7 | 3.2 | 0.7 | 236.8 | 212.2 | 62.8 |
| 2.8 | 0.4 | 5.0 | 0.8 | 5.0 | 2.2 | 0.5 | 247.5 | 251.5 | 89.5 |
| 2.7 | 0.4 | 3.6 | 0.5 | 4.6 | 2.0 | 0.6 | 242.3 | 226.3 | 86.2 |
| 2.9 | 0.4 | 1.8 | 0.3 | 5.5 | 2.1 | 0.5 | 162.4 | 246.8 | 84.3 |
| 2.9 | 0.4 | 4.6 | 0.7 | 4.9 | 2.1 | 0.5 | 249.9 | 248.0 | 89.7 |
| 2.9 | 0.5 | 4.1 | 0.5 | 5.2 | 2.1 | 0.5 | 187.2 | 241.3 | 94.8 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2.87 | 0.46 | 4.28 | 0.56 | 5.72 | 2.64 | 0.52 | | | |
| 2.79 | 0.44 | 3.91 | 0.45 | 4.30 | 2.20 | 0.52 | | | |
| 1.35 | 0.21 | 4.35 | 0.61 | 13.29 | 5.91 | 1.59 | | | |
| 2.0 | 0.3 | 4.9 | 0.4 | 17.7 | 13.9 | 4.7 | < 0.1 | 3.3 | 33.4 |
| 1.70 | 0.26 | 4.53 | 0.52 | 10.61 | 5.32 | 1.73 | | | |
| 1.8 | 0.3 | 1.8 | 0.4 | 16.0 | 11.4 | 2.2 | 6.2 | 15.4 | 23.5 |
| 0.59 | 0.09 | 1.83 | 0.54 | 11.85 | 5.70 | 1.43 | | | |
| 2.74 | 0.44 | 11.01 | 1.43 | 34.57 | 34.90 | 9.58 | | | |
| 1.5 | 0.2 | 4.3 | 0.4 | 15.6 | 8.2 | 2.8 | 16.6 | 31.7 | 28.9 |
| 1.9 | 0.3 | 4.3 | 0.5 | 9.0 | 8.3 | 2.5 | 350.6 | 269.4 | 48.5 |
| 1.6 | 0.2 | 4.3 | 0.5 | 13.9 | 6.4 | 1.8 | 2.2 | 20.2 | 24.6 |

**Zn**

98.4
129.3

103.2
115.0
111.2
103.6
101.1
112.5

105.6

151.6

65.2
74.7

109.7
101.2
88.9
120.3
123.9

101.1
97.8
105.1
104.9
108.4
108.6
90.8
105.3
105.7
108.7
102.3
124.0
136.6
145.3
139.4
137.2
120.8
126.0
127.6
136.7

DR2007228

135.0

94.0

96.8
104.1
126.1