# AFPC Rock Check Program

Sample No. 2021-03

| | Method # | # of Anal. | Grand Median | Std Dev |
|---|---|---|---|---|
| ***Moisture*** | | | | |
| Ground Sample AFPC IX.2.A | 101 | 26 | 0.69 | 0.101 |
| Other (describe) | 102 | 12 | 0.56 | 0.171 |
| Method Group 100 | | 38 | 0.65 | 0.13 |
| ***$P_2O_5$*** | | | | |
| Gravimetric AFPC IX.3.B | 201 | 8 | 30.73 | 0.182 |
| ICP-inducted coupled plasma AFPC IX.3.D | 202 | 4 | 30.64 | 0.447 |
| AOAC 962.02-15th | 203 | 14 | 30.58 | 0.171 |
| Photometric-AFPC IX.3.C | 204 | 21 | 30.57 | 0.138 |
| Automated -AOAC 978.01-15th | 205 | 10 | 30.50 | 0.080 |
| Method Group 200 | | 57 | 30.57 | 0.18 |
| ***$P_2O_5$ (on Dry Basis)*** | | | | |
| Gravimetric AFPC IX.3.B | 211 | 5 | 30.77 | 0.139 |
| ICP-inducted coupled plasma AFPC IX.3.D | 212 | 4 | 30.85 | 0.475 |
| AOAC 962.02-15th | 213 | 10 | 30.81 | 0.101 |
| Photometric-AFPC IX.3.C | 214 | 15 | 30.77 | 0.180 |
| Automated -AOAC 978.01-15th | 215 | 4 | 30.65 | 0.061 |
| Method Group 210 | | 38 | 30.78 | 0.17 |
| ***$Fe_2O_3$*** | | | | |
| Atomic Absorption-AFPC IX.6.B | 301 | 4 | 1.02 | 0.030 |
| ICP-inducted coupled plasma-AFPC IX.6.C | 302 | 37 | 1.05 | 0.049 |
| Other(describe) | 303 | 5 | 1.23 | 0.131 |
| Method Group 300 | | 46 | 1.05 | 0.05 |
| ***$Al_2O_3$*** | | | | |
| Atomic Absorption-AFPC IX.7.B | 401 | 3 | 1.14 | 0.041 |
| ICP-inducted coupled plasma-AFPC IX.7.C | 402 | 36 | 1.25 | 0.147 |
| Other(describe) | 403 | 5 | 1.74 | 0.325 |
| Method Group 400 | | 44 | 1.25 | 0.16 |
| ***MgO*** | | | | |
| Atomic Absorption-AFPC IX.8.A | 501 | 2 | 0.46 | 0.000 |
| ICP-inducted coupled plasma-AFPC IX.8.B | 502 | 39 | 0.46 | 0.015 |
| Other(describe) | 503 | 7 | 0.46 | 0.047 |
| Method Group 500 | | 48 | 0.46 | 0.02 |
| ***Acid Insoluble*** | | | | |
| Insoluble-AFPC IX.4.A | 601 | 21 | 9.85 | 0.231 |
| Other(describe) | 602 | 5 | 9.65 | 0.056 |
| Method Group 600 | | 26 | 9.78 | 0.24 |
| ***Carbon Dioxide*** | | | | |
| Gasometric-AFPC IX.13.B | 651 | 18 | 3.40 | 0.187 |
| Other(describe) | 652 | 21 | 3.64 | 0.299 |
| Method Group 650 | | 39 | 3.57 | 0.32 |
| ***CaO*** | | | | |
| Gravimetric sulfate-AFPC IX.12.A | 701 | 1 | 0.45 | 0.000 |
| ICP-inducted coupled plasma-AFPC IX.12.D | 702 | 22 | 44.78 | 0.414 |
| Ceric Sulfate volumetric-AFPC IX.12.B | 703 | | | |
| Permanganate | 704 | 2 | 44.76 | 0.134 |
| EDTA Volumetric-AFPC IX.12.C | 705 | 3 | 44.25 | 0.448 |
| Other(describe) | 706 | 17 | 45.14 | 0.224 |
| Method Group 700 | | 45 | 45.02 | 0.51 |
| ***CaO (on Dry Basis)*** | | | | |
| Gravimetric sulfate-AFPC IX.12.A | 711 | 1 | 0.46 | 0.000 |
| ICP-inducted coupled plasma-AFPC IX.12.D | 712 | 14 | 45.08 | 0.162 |
| Ceric Sulfate volumetric-AFPC IX.12.B | 713 | | | |
| Permanganate | 714 | 2 | 45.14 | 0.154 |
| EDTA Volumetric-AFPC IX.12.C | 715 | 1 | 45.67 | 0.000 |
| Other(describe) | 716 | 15 | 45.43 | 0.214 |
| Method Group 710 | | 33 | 45.25 | 0.42 |

| | Method # | # of Anal. | Grand Median | Std Dev |
|---|---|---|---|---|
| ***Fluorine, F*** | | | | |
| Volumetric-AFPC IX.14.A | 801 | | | |
| Specific Ion Electrode-AFPC IX.14.B | 802 | 29 | 3.50 | 0.160 |
| Oher( describe) | 803 | 6 | 3.47 | 0.148 |
| Method Group 800 | | 35 | 3.50 | 0.17 |
| ***Arsenic, As*** | | | | |
| Atomic Absorption | 911 | 1 | 12.0 | 0.00 |
| ICP-inducted coupled plasma-AFPC IX.15.B | 912 | 18 | 10.5 | 2.54 |
| Other(describe) | 913 | 4 | 11.8 | 2.77 |
| Method Group 900 | | 23 | 10.7 | 2.82 |
| ***Cadmium, Cd*** | | | | |
| Atomic Absorption-AFPC IX.11.A | 921 | 3 | 3 | 0.4 |
| ICP-inducted coupled plasma-AFPC IX.11.B | 922 | 31 | 3 | 0.7 |
| Other(describe) | 923 | 4 | 4 | 3.1 |
| Method Group 910 | | 38 | 3 | 1.2 |
| ***Cobalt, Co*** | | | | |
| Atomic Absorption-AFPC IX.16.B | 931 | 1 | 18 | 0.0 |
| ICP-inducted coupled plasma-AFPC IX.16.A | 932 | 18 | 15 | 8.9 |
| Other(describe) | 933 | 2 | 19 | 7.0 |
| Method Group 920 | | 21 | 16 | 8.4 |
| ***Mercury, Hg*** | | | | |
| Atomic Absorption-AFPC IX.16.B | 941 | 3 | 0.1 | 0.03 |
| ICP-inducted coupled plasma-AFPC IX.16.A | 942 | 4 | 19.5 | 29.24 |
| Other(describe) | 943 | 2 | 0.0 | 0.01 |
| Method Group 930 | | 9 | 0.1 | 0.05 |
| ***Molybdenum, Mo*** | | | | |
| Atomic Absorption-AFPC IX.16.B | 951 | 1 | 23 | 0.0 |
| ICP-inducted coupled plasma-AFPC IX.16.A | 952 | 16 | 22 | 3.7 |
| Other(describe) | 953 | 2 | 22 | 2.4 |
| Method Group 940 | | 19 | 22 | 3.8 |
| ***Nickel, Ni*** | | | | |
| Atomic Absorption-AFPC IX.16.B | 961 | 2 | 19 | 1.5 |
| ICP-inducted coupled plasma-AFPC IX.16.A | 962 | 23 | 23 | 4.1 |
| Other(describe) | 963 | 3 | 21 | 0.5 |
| Method Group 950 | | 28 | 23 | 3.8 |
| ***Lead, Pb*** | | | | |
| Atomic Absorption-AFPC IX.16.B | 971 | 1 | 24 | 0.0 |
| ICP-inducted coupled plasma-AFPC IX.16.A | 972 | 23 | 23 | 14.0 |
| Other(describe) | 973 | 2 | 33 | 4.4 |
| Method Group 960 | | 26 | 25 | 12.7 |
| ***Selenium, Se*** | | | | |
| Atomic Absorption-AFPC IX.16.B | 981 | | | |
| ICP-inducted coupled plasma-AFPC IX.16.A | 982 | 7 | 2 | 1.4 |
| Other(describe) | 983 | 2 | 2 | 0.8 |
| Method Group 970 | | 9 | 2 | 0.8 |
| ***Zinc, Zn*** | | | | |
| Atomic Absorption-AFPC IX.16.B | 991 | 1 | 43 | 0 |
| ICP-inducted coupled plasma-AFPC IX.16.A | 992 | 25 | 38 | 7 |
| Other(describe) | 993 | 4 | 45 | 4 |
| Method Group 980 | | 30 | 39 | 8 |

| 101 | Ground Sample AFPC IX.2.A | |
|---|---|---|
| Lab | % | $H_2O$ |
| 55 | 0.90 | -2.084 |
| 13 | 0.83 | -1.390 |
| 13 | 0.80 | -1.092 |
| Std Dev | 0.79 | -1.000 |
| 30 | 0.79 | -0.993 |
| 21 | 0.77 | -0.794 |
| 21 | 0.77 | -0.744 |
| 9 | 0.74 | -0.447 |
| 16 | 0.74 | -0.447 |
| 15 | 0.73 | -0.397 |
| 16 | 0.73 | -0.397 |
| 15 | 0.73 | -0.347 |
| 10 | 0.71 | -0.199 |
| 24 | 0.70 | -0.099 |
| Median | 0.69 | 0.000 |
| 24 | 0.68 | 0.099 |
| 10 | 0.66 | 0.298 |
| 89 | 0.65 | 0.397 |
| 9 | 0.63 | 0.645 |
| 26 | 0.61 | 0.794 |
| 26 | 0.60 | 0.893 |
| 89 | 0.60 | 0.893 |
| 266 | 0.60 | 0.893 |
| Std Dev | 0.59 | 1.000 |
| 113 | 0.57 | 1.191 |
| 49 | 0.57 | 1.241 |
| 77 | 0.55 | 1.390 |
| 77 | 0.33 | 3.623 |
| 270 | 0.31 | 3.772 |

| 102 | Other (describe) | |
|---|---|---|
| Lab | % | $H_2O$ |
| 35 | 0.70 | -0.821 |
| 82 | 0.69 | -0.791 |
| 86 | 0.69 | -0.791 |
| 86 | 0.64 | -0.498 |
| 84 | 0.59 | -0.176 |
| 84 | 0.56 | -0.029 |
| Median | 0.56 | 0.000 |
| 85 | 0.55 | 0.029 |
| 85 | 0.50 | 0.322 |
| 275 | 0.46 | 0.536 |
| Std Dev | 0.38 | 1.000 |
| 83 | 0.31 | 1.465 |
| 83 | 0.30 | 1.524 |
| 35 | 0.25 | 1.817 |

| 201 | Gravimetric AFPC IX.3.B | |
|---|---|---|
| Lab | % | P2O5 |
| 241 | 30.92 | -1.017 |
| Std Dev | 30.91 | -1.000 |
| 56 | 30.84 | -0.577 |
| 241 | 30.80 | -0.385 |
| 55 | 30.79 | -0.330 |
| Median | 30.73 | 0.000 |
| 113 | 30.67 | 0.330 |
| 77 | 30.60 | 0.715 |
| Std Dev | 30.55 | 1.000 |
| 89 | 30.46 | 1.484 |
| 89 | 30.40 | 1.814 |

| 202 | ICP-inducted coupled plasma AFPC IX.3.D | |
|---|---|---|
| Lab | % | P2O5 |
| 266 | 31.09 | -1.002 |
| Std Dev | 31.09 | -1.000 |
| 10 | 30.81 | -0.375 |
| Median | 30.64 | 0.000 |
| 10 | 30.48 | 0.375 |
| Std Dev | 30.20 | 1.000 |
| 270 | 29.70 | 2.109 |

| 203 | AOAC 962.02-15th | |
|---|---|---|
| Lab | % | P2O5 |
| 45 | 31.41 | -4.877 |
| 45 | 31.38 | -4.701 |
| 49 | 30.76 | -1.069 |
| Std Dev | 30.75 | -1.000 |
| 9 | 30.67 | -0.542 |
| 30 | 30.64 | -0.366 |
| 21 | 30.61 | -0.161 |
| 21 | 30.59 | -0.044 |
| Median | 30.58 | 0.000 |
| 9 | 30.57 | 0.044 |
| 16 | 30.56 | 0.103 |
| 16 | 30.48 | 0.600 |
| 83 | 30.42 | 0.923 |
| Std Dev | 30.41 | 1.000 |
| 87 | 30.37 | 1.216 |
| 83 | 30.35 | 1.362 |
| 87 | 30.33 | 1.450 |

| 204 | Photometric-AFPC IX.3.C | |
|---|---|---|
| Lab | % | P2O5 |
| 24 | 30.88 | -2.245 |
| 24 | 30.80 | -1.630 |
| 13 | 30.79 | -1.557 |
| 51 | 30.76 | -1.376 |
| 35 | 30.72 | -1.086 |
| 51 | 30.72 | -1.086 |
| Std Dev | 30.71 | -1.000 |
| 13 | 30.65 | -0.579 |
| 26 | 30.65 | -0.579 |
| 26 | 30.64 | -0.507 |
| 92 | 30.58 | -0.072 |
| 86 | 30.57 | 0.000 |
| Median | 30.57 | 0.000 |
| 92 | 30.57 | 0.036 |
| 85 | 30.55 | 0.145 |
| 15 | 30.54 | 0.217 |
| 35 | 30.54 | 0.217 |
| 78 | 30.54 | 0.254 |
| 15 | 30.53 | 0.326 |
| 78 | 30.50 | 0.507 |
| 86 | 30.44 | 0.978 |
| Std Dev | 30.43 | 1.000 |
| 85 | 30.35 | 1.594 |
| 275 | 30.34 | 1.702 |

| 205 | Automated -AOAC 978.01-15th | |
|---|---|---|
| Lab | % | P2O5 |
| 56 | 30.63 | -1.652 |
| 81 | 30.58 | -1.028 |
| Std Dev | 30.58 | -1.000 |
| 82 | 30.57 | -0.904 |
| 77 | 30.53 | -0.405 |
| 81 | 30.50 | -0.031 |
| Median | 30.50 | 0.000 |
| 84 | 30.50 | 0.031 |
| 88 | 30.48 | 0.280 |
| 88 | 30.45 | 0.654 |
| 84 | 30.42 | 0.966 |
| Std Dev | 30.42 | 1.000 |
| 19 | 29.50 | 12.434 |

| 211 | Gravimetric AFPC IX.3.B | | |
|---|---|---|---|
| Lab | % | P2O5 | dB |
| 55 | 31.07 | | -2.158 |
| Std Dev | 30.91 | | -1.000 |
| 113 | 30.85 | | -0.550 |
| 77 | 30.77 | | 0.000 |
| Median | 30.77 | | 0.000 |
| 89 | 30.66 | | 0.790 |
| Std Dev | 30.63 | | 1.000 |
| 89 | 30.58 | | 1.334 |

| 212 | ICP-inducted coupled plasma AFPC IX.3.D | | |
|---|---|---|---|
| Lab | % | P2O5 | dB |
| 266 | 31.28 | | -0.893 |
| 10 | 31.03 | | -0.372 |
| Median | 30.85 | | 0.000 |
| 10 | 30.68 | | 0.372 |
| Std Dev | 30.38 | | 1.000 |
| 270 | 29.79 | | 2.237 |

| 213 | AOAC 962.02-15th | | |
|---|---|---|---|
| Lab | % | P2O5 | dB |
| 49 | 30.93 | | -1.238 |
| Std Dev | 30.91 | | -1.000 |
| 30 | 30.88 | | -0.737 |
| 9 | 30.86 | | -0.529 |
| 21 | 30.84 | | -0.312 |
| 21 | 30.82 | | -0.128 |
| Median | 30.81 | | 0.000 |
| 9 | 30.80 | | 0.128 |
| 16 | 30.78 | | 0.243 |
| Std Dev | 30.71 | | 1.000 |
| 16 | 30.70 | | 1.073 |
| 83 | 30.51 | | 2.925 |
| 83 | 30.43 | | 3.698 |

| 214 | Photometric-AFPC IX.3.C | | |
|---|---|---|---|
| Lab | % | P2O5 | dB |
| 24 | 31.10 | | -1.838 |
| 13 | 31.04 | | -1.533 |

| | | |
|---|---|---|
| 24 | 31.01 | -1.328 |
| Std Dev | 30.95 | -1.000 |
| 35 | 30.93 | -0.934 |
| 13 | 30.90 | -0.724 |
| 26 | 30.84 | -0.396 |
| 26 | 30.82 | -0.323 |
| 86 | 30.77 | 0.000 |
| Median | 30.77 | 0.000 |
| 15 | 30.76 | 0.013 |
| 15 | 30.75 | 0.106 |
| 85 | 30.70 | 0.352 |
| 86 | 30.65 | 0.669 |
| 35 | 30.62 | 0.844 |
| Std Dev | 30.59 | 1.000 |
| 85 | 30.52 | 1.384 |
| 275 | 30.48 | 1.615 |

| 215 | Automated -AOAC 978.01-15th | | |
|---|---|---|---|
| Lab | % | P2O5 | dB |
| 82 | 30.78 | | -2.145 |
| Std Dev | 30.71 | | -1.000 |
| 84 | 30.67 | | -0.369 |
| Median | 30.65 | | 0.000 |
| 77 | 30.63 | | 0.369 |
| 84 | 30.59 | | 0.998 |

| 301 | Atomic Absorption-AFPC IX.6.B | |
|---|---|---|
| Lab | % | Fe2O3 |
| 30 | 1.05 | -1.172 |
| Std Dev | 1.04 | -1.000 |
| 55 | 1.03 | -0.502 |
| Median | 1.02 | 0.000 |
| 89 | 1.00 | 0.503 |
| Std Dev | 0.99 | 1.000 |
| 89 | 0.98 | 1.173 |

| 302 | ICP-inducted coupled plasma-AFPC IX.6.C | |
|---|---|---|
| Lab | % | Fe2O3 |
| 35 | 1.26 | -4.329 |
| 35 | 1.25 | -4.123 |
| 266 | 1.22 | -3.505 |
| 78 | 1.16 | -2.268 |
| 78 | 1.15 | -1.958 |
| 83 | 1.11 | -1.134 |
| Std Dev | 1.10 | -1.000 |
| 84 | 1.10 | -0.928 |
| 81 | 1.09 | -0.722 |
| 83 | 1.09 | -0.722 |
| 45 | 1.08 | -0.618 |
| 45 | 1.07 | -0.412 |
| 81 | 1.07 | -0.412 |
| 84 | 1.07 | -0.309 |
| 15 | 1.06 | -0.206 |
| 15 | 1.06 | -0.206 |
| 21 | 1.06 | -0.206 |
| 10 | 1.06 | -0.103 |
| 16 | 1.05 | -0.062 |
| 86 | 1.05 | 0.000 |
| 270 | 1.05 | 0.000 |
| Median | 1.05 | 0.000 |
| 16 | 1.05 | 0.103 |
| 21 | 1.05 | 0.103 |
| 51 | 1.05 | 0.103 |
| 86 | 1.04 | 0.206 |
| 49 | 1.03 | 0.412 |
| 51 | 1.03 | 0.515 |
| 10 | 1.02 | 0.618 |
| 9 | 1.02 | 0.722 |
| 13 | 1.01 | 0.825 |
| 85 | 1.01 | 0.825 |
| 13 | 1.01 | 0.928 |
| Std Dev | 1.00 | 1.000 |
| 85 | 1.00 | 1.134 |
| 92 | 1.00 | 1.134 |
| 92 | 1.00 | 1.134 |
| 9 | 0.99 | 1.237 |
| 24 | 0.95 | 2.165 |
| 24 | 0.94 | 2.268 |

| 303 | Other(describe) | |
|---|---|---|
| Lab | % | Fe2O3 |
| 56 | 1.30 | -0.536 |
| 77 | 1.27 | -0.268 |
| 77 | 1.23 | 0.000 |
| Median | 1.23 | 0.000 |
| Std Dev | 1.10 | 1.000 |
| 19 | 1.09 | 1.072 |
| 82 | 1.09 | 1.072 |

| 401 | Atomic Absorption-AFPC IX.6.B | |
|---|---|---|
| Lab | % | Al2O3 |
| 30 | 1.24 | -2.436 |
| Std Dev | 1.18 | -1.000 |
| 21 | 1.14 | 0.000 |
| Median | 1.14 | 0.000 |
| 55 | 1.13 | 0.244 |

| 402 | ICP-inducted coupled plasma-AFPC IX.6.C | |
|---|---|---|
| Lab | % | Al2O3 |
| 266 | 1.84 | -4.037 |
| 78 | 1.75 | -3.426 |
| 78 | 1.66 | -2.816 |
| 270 | 1.45 | -1.391 |
| 81 | 1.41 | -1.119 |
| 83 | 1.41 | -1.119 |
| 81 | 1.40 | -1.018 |
| Std Dev | 1.39 | -1.000 |
| 84 | 1.39 | -0.950 |
| 35 | 1.37 | -0.814 |
| 83 | 1.37 | -0.814 |
| 84 | 1.35 | -0.712 |
| 85 | 1.34 | -0.611 |
| 35 | 1.30 | -0.373 |
| 85 | 1.29 | -0.271 |
| 51 | 1.28 | -0.204 |
| 16 | 1.27 | -0.170 |
| 51 | 1.27 | -0.136 |
| 86 | 1.25 | -0.034 |
| Median | 1.25 | 0.000 |
| 92 | 1.24 | 0.034 |
| 86 | 1.22 | 0.170 |
| 92 | 1.22 | 0.170 |
| 16 | 1.22 | 0.204 |
| 24 | 1.21 | 0.237 |
| 49 | 1.19 | 0.373 |
| 15 | 1.18 | 0.475 |
| 13 | 1.17 | 0.509 |
| 15 | 1.17 | 0.509 |
| 10 | 1.16 | 0.577 |
| 45 | 1.16 | 0.577 |
| 10 | 1.16 | 0.611 |
| 24 | 1.16 | 0.611 |
| 13 | 1.15 | 0.645 |
| 45 | 1.15 | 0.645 |
| 9 | 1.15 | 0.678 |
| 9 | 1.14 | 0.712 |
| 21 | 1.14 | 0.746 |

| 403 | Other(describe) | |
|---|---|---|
| Lab | % | Al2O3 |
| 77 | 1.77 | -0.092 |
| 77 | 1.75 | -0.031 |
| 56 | 1.74 | 0.000 |
| Median | 1.74 | 0.000 |
| Std Dev | 1.42 | 1.000 |
| 82 | 1.32 | 1.309 |
| 19 | 1.16 | 1.787 |

| 501 | Atomic Absorption-AFPC IX.8.A | |
|---|---|---|
| Lab | % | MgO |
| 30 | 0.46 | 0.000 |
| 55 | 0.46 | 0.000 |
| Median | 0.46 | 0.000 |

| 502 | ICP-inducted coupled plasma-AFPC IX.8.B | |
|---|---|---|
| Lab | % | MgO |
| 13 | 0.53 | -4.690 |
| 87 | 0.51 | -3.350 |
| 87 | 0.51 | -3.015 |
| 35 | 0.49 | -1.675 |
| 21 | 0.48 | -1.340 |
| 21 | 0.48 | -1.340 |
| 266 | 0.48 | -1.340 |
| 13 | 0.48 | -1.005 |
| 15 | 0.48 | -1.005 |
| Std Dev | 0.47 | -1.000 |
| 15 | 0.47 | -0.670 |
| 35 | 0.47 | -0.670 |
| 51 | 0.47 | -0.335 |
| 84 | 0.47 | -0.335 |
| 10 | 0.46 | 0.000 |
| 10 | 0.46 | 0.000 |
| 45 | 0.46 | 0.000 |
| 78 | 0.46 | 0.000 |
| 81 | 0.46 | 0.000 |
| 270 | 0.46 | 0.000 |

| | | |
|---|---|---|
| 49 | 0.46 | 0.000 |
| 78 | 0.46 | 0.000 |
| 83 | 0.46 | 0.000 |
| Median | 0.46 | 0.000 |
| 24 | 0.46 | 0.335 |
| 9 | 0.45 | 0.670 |
| 16 | 0.45 | 0.670 |
| 16 | 0.45 | 0.670 |
| 45 | 0.45 | 0.670 |
| 81 | 0.45 | 0.670 |
| 83 | 0.45 | 0.670 |
| 84 | 0.45 | 0.670 |
| 92 | 0.45 | 0.670 |
| Std Dev | 0.45 | 1.000 |
| 9 | 0.45 | 1.005 |
| 51 | 0.45 | 1.005 |
| 85 | 0.45 | 1.005 |
| 92 | 0.45 | 1.005 |
| 24 | 0.44 | 1.340 |
| 85 | 0.44 | 1.340 |
| 86 | 0.42 | 2.680 |
| 86 | 0.41 | 3.350 |

503 Other(describe)

| Lab | % | MgO |
|---|---|---|
| 88 | 0.51 | -1.072 |
| 88 | 0.51 | -1.072 |
| Std Dev | 0.51 | -1.000 |
| 77 | 0.50 | -0.750 |
| 56 | 0.46 | 0.000 |
| Median | 0.46 | 0.000 |
| 82 | 0.45 | 0.214 |
| 77 | 0.43 | 0.643 |
| Std Dev | 0.41 | 1.000 |
| 19 | 0.39 | 1.501 |

601 Insoluble-AFPC IX.4.A

| Lab | % | Al |
|---|---|---|
| 45 | 10.80 | -4.106 |
| 45 | 10.80 | -4.106 |
| 16 | 10.29 | -1.902 |
| 9 | 10.22 | -1.578 |
| 16 | 10.15 | -1.275 |
| Std Dev | 10.08 | -1.000 |
| 55 | 10.03 | -0.778 |
| 51 | 9.93 | -0.346 |
| 9 | 9.91 | -0.259 |
| 51 | 9.87 | -0.086 |
| 13 | 9.85 | 0.000 |
| 26 | 9.85 | 0.000 |
| Median | 9.85 | 0.000 |
| 26 | 9.79 | 0.259 |
| 15 | 9.76 | 0.389 |
| 49 | 9.73 | 0.519 |
| 15 | 9.73 | 0.540 |
| 24 | 9.72 | 0.562 |
| 24 | 9.71 | 0.605 |
| 13 | 9.69 | 0.713 |
| 10 | 9.67 | 0.778 |
| Std Dev | 9.62 | 1.000 |
| 21 | 9.62 | 1.016 |
| 10 | 9.51 | 1.470 |

602 Other(describe)

| Lab | % | Al |
|---|---|---|
| 19 | 11.04 | -24.835 |
| Std Dev | 9.71 | -1.000 |
| 266 | 9.70 | -0.893 |
| 21 | 9.65 | 0.000 |
| Median | 9.65 | 0.000 |
| 35 | 9.63 | 0.447 |
| 35 | 9.61 | 0.715 |

651 Gasometric-AFPC IX.13.B

| Lab | % | CO2 |
|---|---|---|
| 24 | 3.79 | -2.090 |
| 24 | 3.79 | -2.090 |
| 89 | 3.65 | -1.340 |
| 89 | 3.61 | -1.126 |
| Std Dev | 3.59 | -1.000 |
| 16 | 3.55 | -0.804 |
| 21 | 3.55 | -0.804 |
| 21 | 3.55 | -0.804 |
| 13 | 3.49 | -0.482 |
| 16 | 3.44 | -0.188 |
| Median | 3.40 | 0.000 |
| 77 | 3.37 | 0.188 |
| 9 | 3.34 | 0.322 |
| 13 | 3.31 | 0.482 |
| 9 | 3.30 | 0.536 |
| 49 | 3.30 | 0.536 |
| Std Dev | 3.21 | 1.000 |
| 87 | 3.18 | 1.206 |
| 15 | 3.07 | 1.769 |
| 87 | 3.06 | 1.822 |
| 15 | 3.04 | 1.930 |

652 Other(describe)

| Lab | % | CO2 |
|---|---|---|
| 35 | 5.74 | -7.052 |
| 35 | 5.74 | -7.052 |
| 81 | 4.18 | -1.809 |
| 78 | 4.07 | -1.441 |
| 51 | 4.02 | -1.273 |
| 82 | 3.97 | -1.122 |
| Std Dev | 3.93 | -1.000 |
| 51 | 3.90 | -0.871 |
| 81 | 3.88 | -0.804 |
| 83 | 3.72 | -0.285 |
| 83 | 3.64 | 0.000 |
| 84 | 3.64 | 0.000 |
| Median | 3.64 | 0.000 |
| 85 | 3.61 | 0.100 |
| 55 | 3.60 | 0.117 |
| 85 | 3.59 | 0.151 |
| 86 | 3.57 | 0.218 |
| 86 | 3.57 | 0.218 |
| 84 | 3.48 | 0.519 |
| 56 | 3.44 | 0.653 |
| Std Dev | 3.34 | 1.000 |
| 88 | 3.00 | 2.144 |
| 88 | 2.96 | 2.278 |
| 266 | 2.85 | 2.630 |

701 Gravimetric sulfate-AFPC IX.12.A

| Lab | % | CaO |
|---|---|---|
| 113 | 0.45 | 0.000 |
| Median | 0.45 | 0.000 |

702 ICP-inducted coupled plasma-AFPC IX.12.D

| Lab | % | CaO |
|---|---|---|
| 78 | 45.58 | -1.938 |
| 270 | 45.57 | -1.913 |
| 49 | 45.31 | -1.286 |
| 51 | 45.27 | -1.189 |
| 78 | 45.20 | -1.020 |
| Std Dev | 45.19 | -1.000 |
| 51 | 45.15 | -0.899 |
| 92 | 45.15 | -0.887 |
| 92 | 45.13 | -0.839 |
| 9 | 44.98 | -0.489 |
| 10 | 44.81 | -0.066 |
| 13 | 44.78 | -0.006 |
| Median | 44.78 | 0.000 |
| 16 | 44.78 | 0.006 |
| 21 | 44.78 | 0.006 |
| 9 | 44.77 | 0.018 |
| 16 | 44.61 | 0.404 |
| 35 | 44.61 | 0.416 |
| 10 | 44.59 | 0.453 |
| 21 | 44.59 | 0.465 |
| 13 | 44.58 | 0.489 |
| 35 | 44.49 | 0.706 |
| 45 | 44.48 | 0.718 |
| 45 | 44.46 | 0.767 |

703 Ceric Sulfate volumetric-AFPC IX.12.B

| Lab | % | CaO |
|---|---|---|
| Median | 0.00 | 0.000 |

704 Permanganate

| Lab | % | CaO |
|---|---|---|
| 55 | 44.94 | -1.340 |
| Std Dev | 44.89 | -1.000 |
| Median | 44.76 | 0.000 |
| Std Dev | 44.63 | 1.000 |
| 30 | 44.58 | 1.340 |

705 EDTA Volumetric-AFPC IX.12.C

| Lab | % | CaO |
|---|---|---|
| 266 | 45.40 | -2.568 |
| Std Dev | 44.70 | -1.000 |
| 81 | 44.25 | 0.000 |
| Median | 44.25 | 0.000 |
| 81 | 44.20 | 0.112 |

| 706 Other(describe) | | |
|---|---|---|
| Lab | % | CaO |
| 77 | 45.98 | -3.752 |
| 77 | 45.96 | -3.640 |
| 24 | 45.61 | -2.077 |
| 56 | 45.47 | -1.474 |
| Std Dev | 45.36 | -1.000 |
| 86 | 45.33 | -0.849 |
| 85 | 45.28 | -0.625 |
| 85 | 45.28 | -0.625 |
| 15 | 45.16 | -0.067 |
| 86 | 45.14 | 0.000 |
| Median | 45.14 | 0.000 |
| 84 | 45.13 | 0.067 |
| 15 | 45.07 | 0.313 |
| 24 | 45.03 | 0.491 |
| 83 | 45.03 | 0.491 |
| 83 | 45.02 | 0.536 |
| 84 | 45.00 | 0.625 |
| Std Dev | 44.92 | 1.000 |
| 82 | 44.16 | 4.377 |
| 19 | 43.67 | 6.566 |

| 711 Gravimetric sulfate-AFPC IX.12.A | | | |
|---|---|---|---|
| Lab | % | CaO | dB |
| 113 | 0.46 | | 0.000 |
| Median | 0.46 | | 0.000 |

| 712 ICP-inducted coupled plasma-AFPC IX.12.D | | | |
|---|---|---|---|
| Lab | % | CaO | dB |
| 270 | 45.71 | | -3.909 |
| 49 | 45.57 | | -3.019 |
| 9 | 45.31 | | -1.450 |
| Std Dev | 45.24 | | -1.000 |
| 13 | 45.15 | | -0.474 |
| 10 | 45.13 | | -0.293 |
| 21 | 45.12 | | -0.275 |
| 16 | 45.10 | | -0.162 |
| Median | 45.08 | | 0.000 |
| 9 | 45.05 | | 0.162 |
| 16 | 44.94 | | 0.849 |
| 13 | 44.93 | | 0.885 |
| 21 | 44.93 | | 0.920 |
| 35 | 44.92 | | 0.991 |
| Std Dev | 44.92 | | 1.000 |
| 10 | 44.89 | | 1.182 |
| 35 | 44.59 | | 2.983 |

| 713 Ceric Sulfate volumetric-AFPC IX.12.B | | | |
|---|---|---|---|
| Lab | % | CaO | dB |
| Median | 0.00 | | 0.000 |

| 714 Permanganate | | | |
|---|---|---|---|
| Lab | % | CaO | dB |
| 55 | 45.35 | | -1.340 |
| Std Dev | 45.30 | | -1.000 |
| Median | 45.14 | | 0.000 |
| Std Dev | 44.99 | | 1.000 |
| 30 | 44.93 | | 1.340 |

| 715 EDTA Volumetric-AFPC IX.12.C | | | |
|---|---|---|---|
| Lab | % | CaO | dB |
| 266 | 45.67 | | 0.000 |
| Median | 45.67 | | 0.000 |

| 716 Other(describe) | | | |
|---|---|---|---|
| Lab | % | CaO | dB |
| 77 | 46.21 | | -3.631 |
| 77 | 46.13 | | -3.261 |
| 24 | 45.92 | | -2.269 |
| Std Dev | 45.65 | | -1.000 |
| 86 | 45.64 | | -0.999 |
| 85 | 45.53 | | -0.465 |
| 85 | 45.51 | | -0.358 |
| 15 | 45.48 | | -0.252 |
| 86 | 45.43 | | 0.000 |
| Median | 45.43 | | 0.000 |
| 15 | 45.40 | | 0.137 |
| 84 | 45.39 | | 0.188 |
| 24 | 45.35 | | 0.389 |
| 84 | 45.25 | | 0.827 |
| Std Dev | 45.22 | | 1.000 |
| 83 | 45.16 | | 1.248 |
| 83 | 45.16 | | 1.274 |
| 82 | 44.47 | | 4.497 |

| 801 Volumetric-AFPC IX.14.A | | |
|---|---|---|
| Lab | % | Fluorine, F |
| Median | 0.00 | 0.000 |

| 802 Specific Ion Electrode-AFPC IX.14.B | | |
|---|---|---|
| Lab | % | Fluorine, F |
| 113 | 3.85 | -2.213 |
| 83 | 3.82 | -2.026 |
| 83 | 3.79 | -1.839 |
| 15 | 3.78 | -1.776 |
| 15 | 3.78 | -1.776 |
| 21 | 3.75 | -1.558 |
| Std Dev | 3.66 | -1.000 |
| 9 | 3.65 | -0.966 |
| 16 | 3.63 | -0.841 |
| 21 | 3.63 | -0.841 |
| 16 | 3.59 | -0.561 |
| 13 | 3.57 | -0.467 |
| 24 | 3.55 | -0.343 |
| 51 | 3.52 | -0.125 |
| 26 | 3.50 | -0.031 |
| 51 | 3.50 | 0.000 |
| Median | 3.50 | 0.000 |
| 26 | 3.48 | 0.093 |
| 35 | 3.48 | 0.093 |
| 55 | 3.47 | 0.156 |
| 35 | 3.45 | 0.312 |
| 13 | 3.44 | 0.343 |
| 49 | 3.42 | 0.467 |
| 9 | 3.42 | 0.499 |
| 270 | 3.40 | 0.592 |
| 24 | 3.35 | 0.935 |
| Std Dev | 3.33 | 1.000 |
| 266 | 3.27 | 1.402 |
| 84 | 3.23 | 1.652 |
| 84 | 3.22 | 1.745 |
| 86 | 3.17 | 2.026 |
| 86 | 3.16 | 2.088 |

| 803 Oher( describe) | | |
|---|---|---|
| Lab | % | Fluorine, F |
| 77 | 3.69 | -1.450 |
| 77 | 3.62 | -1.011 |
| Std Dev | 3.62 | -1.000 |
| 81 | 3.50 | -0.202 |
| Median | 3.47 | 0.000 |
| 19 | 3.44 | 0.202 |
| 82 | 3.38 | 0.641 |
| 81 | 3.37 | 0.674 |

| 911 Atomic Absorption-AFPC | | |
|---|---|---|
| Lab | ppm | Arsenic, As |
| 55 | 12.0 | 0.000 |
| Median | 12.0 | 0.000 |

| 912 ICP-inducted coupled plasma-AFPC IX.15.I | | |
|---|---|---|
| Lab | ppm | Arsenic, As |
| 83 | <1 | 0.000 |
| 83 | <1 | 0.000 |
| 84 | <1 | 0.000 |
| 84 | <1 | 0.000 |
| 78 | 18.4 | -3.094 |
| 78 | 15.7 | -2.049 |
| 15 | 15.0 | -1.774 |
| 113 | 13.3 | -1.104 |
| Std Dev | 13.0 | -1.000 |
| 270 | 12.6 | -0.828 |
| 51 | 11.5 | -0.394 |
| 24 | 11.5 | -0.374 |
| 24 | 11.3 | -0.315 |
| 35 | 10.5 | 0.000 |
| 51 | 10.5 | 0.000 |
| Median | 10.5 | 0.000 |
| 18 | 10.3 | 0.099 |
| 18 | 10.1 | 0.158 |
| 35 | 9.0 | 0.591 |
| 81 | 8.9 | 0.631 |
| 81 | 8.7 | 0.715 |
| 266 | | 0.749 |
| 16 | | 1.701 |
| 16 | | 1.811 |

| 913 Other(describe) | | |
|---|---|---|
| Lab | ppm | Arsenic, As |
| 15 | 15.0 | -1.174 |
| Std Dev | 14.5 | -1.000 |
| 77 | 12.9 | -0.397 |
| Median | 11.8 | 0.000 |
| 13 | 10.7 | 0.397 |
| Std Dev | 9.0 | 1.000 |

| | | |
|---|---|---|
| 82 | 6.8 | 1.801 |

| 921 | Atomic Absorption-AFPC IX.11.A | |
|---|---|---|
| Lab | ppm | Cadmium, Cd |
| 55 | 4 | -2.457 |
| Std Dev | 3 | -1.000 |
| 89 | 3 | 0.000 |
| Median | 3 | 0.000 |
| 89 | 3 | 0.223 |

| 922 | ICP-inducted coupled plasma-AFPC IX.11.B | |
|---|---|---|
| Lab | ppm | Cadmium, Cd |
| 270 | 24 | -28.999 |
| 78 | 6 | -4.638 |
| 78 | 5 | -2.604 |
| 51 | 5 | -2.199 |
| 51 | 4 | -1.512 |
| 87 | 4 | -1.512 |
| 87 | 4 | -1.512 |
| 113 | 4 | -1.058 |
| Std Dev | 4 | -1.000 |
| 18 | 3 | -0.137 |
| 35 | 3 | -0.137 |
| 35 | 3 | -0.137 |
| 45 | 3 | -0.137 |
| 45 | 3 | -0.137 |
| 85 | 3 | -0.137 |
| 85 | 3 | -0.137 |
| 18 | 3 | 0.000 |
| Median | 3 | 0.000 |
| 16 | 3 | 0.103 |
| 16 | 3 | 0.117 |
| 77 | 3 | 0.206 |
| 84 | 3 | 0.550 |
| 84 | 2 | 0.618 |
| 86 | 2 | 0.715 |
| 266 | 2 | 0.728 |
| 77 | 2 | 0.756 |
| 24 | 2 | 0.893 |
| 86 | 2 | 0.921 |
| Std Dev | 2 | 1.000 |
| 83 | 2 | 1.237 |
| 83 | 2 | 1.299 |
| 81 | 2 | 1.374 |
| 24 | 2 | 1.581 |
| 81 | 2 | 1.581 |

| 923 | Other(describe) | |
|---|---|---|
| Lab | ppm | Cadmium, Cd |
| 13 | 20 | -5.234 |
| Std Dev | 7 | -1.000 |
| 88 | 4 | 0.000 |
| 88 | 4 | 0.000 |
| Median | 4 | 0.000 |
| 82 | 4 | 0.126 |

| 931 | Atomic Absorption-AFPC IX.16.B | |
|---|---|---|
| Lab | ppm | Cobalt, Co |
| 55 | 18 | 0.000 |
| Median | 18 | 0.000 |

| 932 | ICP-inducted coupled plasma-AFPC IX.16.A | |
|---|---|---|
| Lab | ppm | Cobalt, Co |
| 78 | 28 | -1.421 |
| 78 | 28 | -1.421 |
| Std Dev | 24 | -1.000 |
| 270 | 21 | -0.664 |
| 18 | 20 | -0.535 |
| 18 | 19 | -0.440 |
| 35 | 19 | -0.412 |
| 266 | 19 | -0.356 |
| 24 | 17 | -0.182 |
| 24 | 16 | -0.093 |
| Median | 15 | 0.000 |
| 35 | 15 | 0.093 |
| 16 | 12 | 0.334 |
| 16 | 12 | 0.367 |
| 77 | 8 | 0.827 |
| 45 | 7 | 0.934 |
| 45 | 7 | 0.934 |
| 77 | 7 | 0.990 |
| Std Dev | 6 | 1.000 |
| 81 | 3 | 1.410 |
| 81 | 3 | 1.418 |

| 933 | Other(describe) | |
|---|---|---|
| Lab | ppm | Cobalt, Co |
| 82 | 29 | -1.340 |
| Std Dev | 26 | -1.000 |
| Median | 19 | 0.000 |
| Std Dev | 12 | 1.000 |
| 13 | 10 | 1.340 |

| 941 | Atomic Absorption-AFPC IX.16.B | |
|---|---|---|
| Lab | ppm | Mercury, Hg |
| 81 | 0.1 | 0.000 |
| 81 | 0.1 | 0.000 |
| Median | 0.1 | 0.000 |
| Std Dev | 0.1 | 1.000 |
| 113 | 0.0 | 2.680 |

| 942 | ICP-inducted coupled plasma-AFPC IX.16.A | |
|---|---|---|
| Lab | ppm | Mercury, Hg |
| 35 | <1 | 0.000 |
| 35 | <1 | 0.000 |
| 24 | 40.0 | -0.700 |
| 24 | 39.0 | -0.666 |
| Median | 19.5 | 0.000 |
| 266 | 0.1 | 0.666 |
| 270 | | 0.666 |

| 943 | Other(describe) | |
|---|---|---|
| Lab | ppm | Mercury, Hg |
| 13 | 0.0 | -1.340 |
| Std Dev | 0.0 | -1.000 |
| Median | 0.0 | 0.000 |
| Std Dev | 0.0 | 1.000 |
| 82 | 0.0 | 1.340 |

| 951 | Atomic Absorption-AFPC IX.16.B | |
|---|---|---|
| Lab | ppm | Molybdenum, Mo |
| 55 | 23 | 0.000 |
| Median | 23 | 0.000 |

| 952 | ICP-inducted coupled plasma-AFPC IX.16.A | |
|---|---|---|
| Lab | ppm | Molybdenum, Mo |
| 45 | 28 | -1.715 |
| 45 | 28 | -1.715 |
| 18 | 26 | -1.085 |
| 81 | 26 | -1.045 |
| Std Dev | 25 | -1.000 |
| 18 | 25 | -0.925 |
| 81 | 25 | -0.911 |
| 270 | 23 | -0.415 |
| 78 | 22 | -0.054 |
| Median | 22 | 0.000 |
| 16 | 21 | 0.054 |
| 78 | 21 | 0.134 |
| 16 | 21 | 0.174 |
| 24 | 20 | 0.375 |
| 24 | 20 | 0.415 |
| Std Dev | 18 | 1.000 |
| 77 | 17 | 1.233 |
| 77 | 16 | 1.501 |
| 266 | 16 | 1.528 |

| 953 | Other(describe) | |
|---|---|---|
| Lab | ppm | lolybdenum, Mo |
| 13 | 26 | -1.340 |
| Std Dev | 25 | -1.000 |
| Median | 22 | 0.000 |
| Std Dev | 20 | 1.000 |
| 82 | 19 | 1.340 |

| 961 | Atomic Absorption-AFPC IX.16.B | |
|---|---|---|
| Lab | ppm | Nickel, Ni |
| 55 | 21 | -1.340 |
| Std Dev | 20 | -1.000 |
| Median | 19 | 0.000 |
| Std Dev | 18 | 1.000 |
| 77 | 17 | 1.340 |

| 962 | ICP-inducted coupled plasma-AFPC IX.16. | |
|---|---|---|
| Lab | ppm | Nickel, Ni |
| 84 | 32 | -2.252 |
| 83 | 32 | -2.129 |
| 83 | 31 | -2.007 |
| 84 | 29 | -1.517 |
| 78 | 28 | -1.150 |
| 85 | 27 | -1.028 |
| Std Dev | 27 | -1.000 |
| 78 | 27 | -0.906 |
| 85 | 26 | -0.783 |
| 16 | 23 | -0.159 |
| 16 | 23 | -0.110 |
| 35 | 23 | -0.049 |

| | | |
|---|---|---|
| 24 | 23 | 0.000 |
| Median | 23 | 0.000 |
| 24 | 23 | 0.049 |
| 35 | 23 | 0.073 |
| 81 | 23 | 0.073 |
| 81 | 22 | 0.196 |
| 18 | 22 | 0.306 |
| 18 | 21 | 0.441 |
| 270 | 21 | 0.563 |
| 45 | 20 | 0.685 |
| 45 | 19 | 0.930 |
| Std Dev | 19 | 1.000 |
| 77 | 18 | 1.297 |
| 266 | 17 | 1.395 |

963 Other(describe)

| Lab | ppm | Nickel, Ni |
|---|---|---|
| 13 | 22 | -2.251 |
| Std Dev | 22 | -1.000 |
| 82 | 21 | 0.000 |
| Median | 21 | 0.000 |
| 19 | 21 | 0.429 |

971 Atomic Absorption-AFPC IX.16.B

| Lab | ppm | Lead, Pb |
|---|---|---|
| 55 | 24 | 0.000 |
| Median | 24 | 0.000 |

972 ICP-inducted coupled plasma-AFPC IX.16.A

| Lab | ppm | Lead, Pb |
|---|---|---|
| 78 | 31 | -0.557 |
| 78 | 31 | -0.540 |
| 16 | 31 | -0.536 |
| 16 | 30 | -0.482 |
| 270 | 29 | -0.443 |
| 18 | 29 | -0.432 |
| 18 | 28 | -0.379 |
| 35 | 27 | -0.250 |
| 51 | 26 | -0.214 |
| 35 | 25 | -0.143 |
| 51 | 25 | -0.143 |
| 77 | 23 | 0.000 |
| Median | 23 | 0.000 |
| 266 | 22 | 0.057 |
| 77 | 22 | 0.071 |
| 113 | 20 | 0.229 |
| 24 | 14 | 0.636 |
| 24 | 11 | 0.847 |
| Std Dev | 9 | 1.000 |
| 81 | 9 | 1.022 |
| 81 | 8 | 1.092 |
| 84 | 7 | 1.143 |
| 84 | 7 | 1.179 |
| 83 | 6 | 1.251 |
| 83 | 5 | 1.311 |

973 Other(describe)

| Lab | ppm | Lead, Pb |
|---|---|---|
| 82 | 39 | -1.340 |
| Std Dev | 37 | -1.000 |
| Median | 33 | 0.000 |
| Std Dev | 28 | 1.000 |
| 13 | 27 | 1.340 |

981 Atomic Absorption-AFPC IX.16.B

| Lab | ppm | Selenium, Se |
|---|---|---|
| Median | 0 | 0.000 |

982 ICP-inducted coupled plasma-AFPC IX.16.A

| Lab | ppm | Selenium, Se |
|---|---|---|
| 84 | 5 | -2.340 |
| 84 | 5 | -2.340 |
| Std Dev | 3 | -1.000 |
| 18 | 2 | -0.035 |
| 18 | 2 | 0.000 |
| Median | 2 | 0.000 |
| 16 | 1 | 0.145 |
| 16 | 1 | 0.160 |
| 266 | 1 | 0.638 |

983 Other(describe)

| Lab | ppm | Selenium, Se |
|---|---|---|
| 13 | 3 | -1.340 |
| Std Dev | 2 | -1.000 |
| Median | 2 | 0.000 |
| Std Dev | 1 | 1.000 |
| 77 | 1 | 1.340 |

991 Atomic Absorption-AFPC IX.16.B

| Lab | ppm | Zinc, Zn |
|---|---|---|
| 55 | 43 | 0.000 |
| Median | 43 | 0.000 |

992 ICP-inducted coupled plasma-AFPC IX.16.A

| Lab | ppm | Zinc, Zn |
|---|---|---|
| 81 | 117 | -11.970 |
| 81 | 116 | -11.819 |
| 24 | 65 | -4.088 |
| 24 | 52 | -2.168 |
| 78 | 50 | -1.882 |
| 78 | 45 | -1.054 |
| Std Dev | 44 | -1.000 |
| 18 | 43 | -0.813 |
| 84 | 42 | -0.678 |
| 84 | 41 | -0.527 |
| 35 | 41 | -0.452 |
| 18 | 40 | -0.346 |
| 83 | 39 | -0.226 |
| 35 | 38 | 0.000 |
| Median | 38 | 0.000 |
| 85 | 37 | 0.075 |
| 83 | 37 | 0.151 |
| 85 | 36 | 0.301 |
| 77 | 35 | 0.376 |
| 113 | 35 | 0.391 |
| 45 | 34 | 0.527 |
| 45 | 33 | 0.678 |
| 16 | 32 | 0.828 |
| Std Dev | 31 | 1.000 |
| 77 | 31 | 1.054 |
| 270 | 30 | 1.129 |
| 16 | 29 | 1.257 |
| 266 | 28 | 1.415 |

993 Other(describe)

| Lab | ppm | Zinc, Zn |
|---|---|---|
| 13 | 48 | -0.532 |
| 19 | 47 | -0.357 |
| Median | 45 | 0.000 |
| 82 | 44 | 0.357 |
| Std Dev | 41 | 1.000 |
| 19 | 34 | 2.686 |