

AFPC

Sample

2015-12

Grade

11-52-0

| | AOAC Ref. | Method # | # of Labs. | Grand Median | Std Dev |
|---|------------|----------|------------|--------------|---------|
| AMMONIACAL NITROGEN | | | | | |
| Ammoniacal Nitrogen, Other | | 001.99 | 10 | 11.16 | 0.06 |
| Method Group 001.XX PCT | | | 10 | 11.16 | 0.08 |
| TOTAL NITROGEN | | | | | |
| Total Nitrogen, Modified Comprehensive | 978.02 | 010.11 | 1 | 11.09 | 0.00 |
| Total Nitrogen, Combustion | 993.13 | 010.60 | 16 | 11.18 | 0.25 |
| Total Nitrogen, Other | | 010.99 | 2 | 11.13 | 0.00 |
| Method Group 010.XX PCT | | | 19 | 11.15 | 0.23 |
| TOTAL PHOSPHATE | | | | | |
| Total Phosphate, Spectrometric | 978.02 | 020.20 | 15 | 53.74 | 0.40 |
| Total Phosphate, ICP | 970.03 | 020.40 | 1 | 52.64 | 0.00 |
| Total Phosphate, ICP, Lithium | 970.02 | 020.50 | 1 | 53.49 | 0.00 |
| Method Group 020.XX PCT | | | 17 | 53.66 | 0.52 |
| INSOLUBLE PHOSPHATE | | | | | |
| Insoluble Phosphate, Spectrometric | 963.03C(b) | 030.20 | 6 | 0.92 | 0.16 |
| Insoluble Phosphate, Automated | 978.01 | 030.40 | 2 | 0.62 | 0.06 |
| Insoluble Phosphate, Other | | 030.99 | 2 | 0.66 | 0.01 |
| Method Group 030.XX PCT | | | 10 | 0.69 | 0.25 |
| INDIRECT AVAILABLE PHOSPHATE | | | | | |
| Indirect Available Phosphate, Spectrometric | 960.02 | 040.20 | 7 | 53.03 | 0.12 |
| Indirect Available Phosphate, Other | | 040.99 | 1 | 53.07 | 0.00 |
| Method Group 040.XX PCT | | | 8 | 53.05 | 0.13 |
| DIRECT AVAILABLE PHOSPHATE | | | | | |
| Direct Available Phosphate, Gravimetric Quimociac | 960.03E | 041.10 | 1 | 50.93 | 0.00 |
| Direct Available Phosphate, Spectrometric | 960.03D | 041.20 | 1 | 52.65 | 0.00 |
| Direct Available Phosphate, Automated | 978.01 | 041.40 | 2 | 52.66 | 0.26 |
| Direct Available Phosphate, ICP | | 041.50 | 3 | 52.61 | 0.48 |
| Direct Available Phosphate, EDTA Extract | 993.01 | 041.60 | 5 | 52.52 | 0.46 |
| Method Group 041.XX PCT | | | 12 | 52.56 | 0.65 |
| WATER SOLUBLE PHOSPHATE | | | | | |
| Water Soluble Phosphate, Spectrometric | 970.01 | 048.20 | 10 | 48.10 | 0.60 |
| Water Soluble Phosphate, Other | | 048.99 | 4 | 47.95 | 0.11 |
| Method Group 048.XX PCT | | | 14 | 48.02 | 0.39 |
| SOLUBLE POTASH AS K₂O | | | | | |
| Soluble Potash, ICP(Oxalate) | | 050.50 | 3 | 0.18 | 0.02 |
| Soluble Potash, ICP(Citrate) | | 050.51 | 1 | 0.17 | 0.00 |
| Soluble Potash, Other | | 050.99 | 5 | 0.17 | 0.01 |
| Method Group 050.XX PCT | | | 9 | 0.17 | 0.01 |
| FREE WATER | | | | | |
| Free Water, Vacuum Oven | 965.08B | 060.00 | 11 | 0.85 | 0.13 |
| Free Water, Other | | 060.99 | 3 | 0.63 | 0.17 |
| Method Group 060.XX PCT | | | 14 | 0.84 | 0.23 |
| ACID SOLUBLE CALCIUM AS CaO | | | | | |
| Acid Soluble Calcium, Atomic Absorption | 945.04 | 101.00 | 1 | 0.24 | 0.00 |
| Acid Soluble Calcium, ICP | | 101.30 | 13 | 0.39 | 0.02 |
| Method Group 101.XX PCT | | | 14 | 0.39 | 0.03 |
| ACID SOLUBLE MAGNESIUM AS MgO | | | | | |
| Acid Soluble Magnesium, Atomic Absorption | 984.01 | 121.00 | 1 | 0.71 | 0.00 |
| Acid Soluble Magnesium, ICP | | 121.30 | 13 | 0.95 | 0.03 |
| Method Group 121.XX PCT | | | 14 | 0.95 | 0.07 |
| SULFATE SULFUR (S) | | | | | |
| Sulfur, Spectrometric | | 144.70 | 2 | 1.49 | 0.01 |
| Sulfur, Other | | 144.99 | 10 | 1.46 | 0.04 |
| Method Group 144.XX PCT | | | 12 | 1.47 | 0.05 |
| TOTAL SULFUR (S) | | | | | |
| Sulfur, Other | | 145.99 | 1 | 1.43 | 0.0 |

| | | | | | |
|---|-----------|--------|----|-------|------|
| Method Group 145.XX PCT | | | 1 | 1.43 | 0.0 |
| TOTAL ARSENIC | | | | | |
| Total Arsenic, ICP | 980.02(b) | 151.02 | 4 | 13.4 | 1.5 |
| Total Arsenic, Other | | 151.99 | 1 | 12.0 | 0.0 |
| Method Group 151.XX PPM | | | 5 | 12.7 | 1.9 |
| ACID SOLUBLE BORON | | | | | |
| Acid Soluble Boron, Other | | 165.99 | 1 | 34 | 0.0 |
| Method Group 165.XX PPM | | | 1 | 34 | 0.0 |
| TOTAL CADMIUM | | | | | |
| Total Cadmium, ICP | | 181.30 | 6 | 4.2 | 8.5 |
| Total Cadmium, Other | | 181.99 | 1 | 3.9 | 0.0 |
| Method Group 181.XX PPM | | | 7 | 4.0 | 7.0 |
| ALUMINUM AS Al₂O₃ | | | | | |
| ICP, % | | | 13 | 1.96 | 0.07 |
| Method Group 190.XX PCT | | | 13 | 1.96 | 0.08 |
| TOTAL CHROMIUM | | | | | |
| Total Chromium, ICP | | 191.30 | 6 | 95 | 4.9 |
| Total Chromium, Other | | 191.99 | 1 | 89 | 0.0 |
| Method Group 191.XX PPM | | | 7 | 94 | 6.2 |
| ACID SOLUBLE COBALT | | | | | |
| Acid Soluble Cobalt, ICP | | 202.30 | 6 | 3 | 0.5 |
| Acid Soluble Cobalt, Other | | 202.99 | 1 | 3 | 0.0 |
| Method Group 202.XX PPM | | | 7 | 3 | 0.5 |
| ACID SOLUBLE COPPER | | | | | |
| Acid Soluble Copper, ICP | | 221.30 | 6 | 3.0 | 6.5 |
| Acid Soluble Copper, Other | | 221.99 | 1 | 0.0 | 0.0 |
| Method Group 221.XX PPM | | | 4 | 2.0 | 5.4 |
| ACID SOLUBLE IRON AS Fe₂O₃ | | | | | |
| Acid Soluble Iron, ICP | | 241.30 | 13 | 1.24 | 0.02 |
| Method Group 241.XX PCT | | | 14 | 1.24 | 0.03 |
| TOTAL LEAD | | | | | |
| Total Lead, ICP | | 251.30 | 1 | | 0.0 |
| Total Lead, Other | | 251.99 | 1 | 1.3 | 0.0 |
| Method Group 251.XX PPM | | | 2 | 1 | 0.6 |
| ACID SOLUBLE MANGANESE | | | | | |
| Acid Soluble Manganese, Atomic Absorption | 972.02b | 261.11 | 1 | 513 | 0.0 |
| Acid Soluble Manganese, ICP | 972.02a | 261.30 | 3 | 496 | 16.5 |
| Acid Soluble Manganese, Other | | 261.99 | 3 | 492 | 7.3 |
| Method Group 261.XX PPM | | | 7 | 495 | 13.8 |
| TOTAL MERCURY | | | | | |
| Total Mercury, ICP | | 281.30 | 1 | 0.00 | 0.00 |
| Method Group 281.XX PPM | | | 1 | 0.06 | 0.00 |
| TOTAL MOLYBDENUM | | | | | |
| Total Molybdenum, ICP | | 289.30 | 6 | 22 | 2.4 |
| Total Molybdenum, Other | | 289.99 | 1 | 30 | 0.0 |
| Method Group 289.XX PPM | | | 7 | 24 | 3.3 |
| TOTAL NICKEL | | | | | |
| Total Nickel, ICP | | 291.30 | 3 | 14.2 | 0.4 |
| Total Nickel, icp | | 291.99 | 3 | 14.2 | 0.3 |
| Method Group 291.XX PPM | | | 6 | 14.2 | 0.5 |
| TOTAL SELENIUM | | | | | |
| Total Selenium, ICP | | 301.30 | 3 | 0.2 | 0.4 |
| Total Selenium, Other | | 301.99 | 1 | 2 | 0.0 |
| Method Group 301.XX PPM | | | 4 | 0.7 | 1.1 |
| SODIUM AS Na₂O | | | | | |
| Sodium, Other | | 311.99 | 7 | 0.23 | 0.01 |
| Method Group 311.XX PCT | | | 7 | 0.23 | 0.01 |
| ACID SOLUBLE ZINC | | | | | |
| Acid Soluble Zinc, Atomic Absorption | 975.02 | 321.00 | 1 | 313.8 | 0.0 |
| Acid Soluble Zinc, ICP | | 321.30 | 7 | 305.5 | 12.5 |
| Method Group 321.XX % | | | 8 | 308.7 | 14.5 |

FLUORIDE

| | | | | |
|-------------------------|--------|----|------|------|
| Volumetric | 325.10 | 10 | 1.63 | 0.27 |
| Distilled/Electrode | 325.99 | 3 | 1.65 | 0.09 |
| Method Group 325.XX PCT | | 13 | 1.65 | 0.30 |

AFPC Check Sample 12-2015

| 001.99 Ammoniacal Nitrogen | | |
|----------------------------|--------------|---------------|
| Lab | | Other |
| 34 | 11.24 | -1.222 |
| 61 | 11.24 | -1.222 |
| Std Dev | 11.23 | -1.000 |
| 24 | 11.22 | -0.906 |
| 61 | 11.22 | -0.906 |
| 23 | 11.17 | -0.118 |
| Median | 11.16 | 0.000 |
| 24 | 11.16 | 0.118 |
| 23 | 11.14 | 0.434 |
| 32 | 11.14 | 0.434 |
| 32 | 11.13 | 0.591 |
| Std Dev | 11.10 | 1.000 |
| 38 | 10.36 | 12.580 |

| 001.XX Ammoniacal Nitrogen | | |
|----------------------------|--------------|---------------|
| Lab | | Total Method |
| 34 | 11.24 | -1.222 |
| 61 | 11.24 | -1.222 |
| Std Dev | 11.23 | -1.000 |
| 24 | 11.22 | -0.906 |
| 61 | 11.22 | -0.906 |
| 23 | 11.17 | -0.118 |
| Median | 11.16 | 0.000 |
| 24 | 11.16 | 0.118 |
| 23 | 11.14 | 0.434 |
| 32 | 11.14 | 0.434 |
| 32 | 11.13 | 0.591 |
| Std Dev | 11.10 | 1.000 |
| 38 | 10.36 | 12.580 |

| 010.11 Total Nitrogen | | |
|-----------------------|--------------|------------------------|
| Lab | | Modified Comprehensive |
| 219 | 11.09 | 0.000 |
| Median | 11.09 | 0.000 |

| 010.60 Total Nitrogen | | |
|-----------------------|--------------|---------------|
| Lab | | Combustion |
| 47 | 11.53 | -1.382 |
| Std Dev | 11.43 | -1.000 |
| 110 | 11.39 | -0.841 |
| 66 | 11.38 | -0.781 |
| 219 | 11.33 | -0.601 |

| | | |
|----------------|--------------|--------------|
| 39 | 11.33 | -0.599 |
| 49 | 11.30 | -0.461 |
| 24 | 11.22 | -0.140 |
| 77 | 11.19 | -0.020 |
| Median | 11.18 | 0.000 |
| 24 | 11.18 | 0.020 |
| 9 | 11.15 | 0.140 |
| 99 | 11.14 | 0.180 |
| 63 | 11.04 | 0.561 |
| Std Dev | 10.93 | 1.000 |
| 29 | 10.86 | 1.281 |
| 103 | 10.62 | 2.243 |
| 111 | 10.55 | 2.523 |
| 137 | 10.06 | 4.505 |

| 010.99 Total Nitrogen | | |
|-----------------------|--------------|---------------|
| Lab | | Other |
| 32 | 11.14 | -1.340 |
| Std Dev | 11.13 | -1.000 |
| Median | 11.13 | 0.000 |
| Std Dev | 11.13 | 1.000 |
| 32 | 11.13 | 1.340 |

| 010.XX Total Nitrogen | | |
|-----------------------|--------------|---------------|
| Lab | | Total Method |
| 47 | 11.53 | -2.039 |
| 110 | 11.39 | -1.315 |
| 66 | 11.38 | -1.234 |
| Std Dev | 11.33 | -1.000 |
| 219 | 11.33 | -0.993 |
| 39 | 11.33 | -0.990 |
| 49 | 11.30 | -0.805 |
| 24 | 11.22 | -0.376 |
| 77 | 11.19 | -0.215 |
| 24 | 11.18 | -0.161 |
| 9 | 11.15 | 0.000 |
| Median | 11.15 | 0.000 |
| 32 | 11.14 | 0.054 |
| 99 | 11.14 | 0.054 |
| 32 | 11.13 | 0.107 |
| 219 | 11.09 | 0.322 |
| 63 | 11.04 | 0.563 |
| Std Dev | 10.96 | 1.000 |
| 29 | 10.86 | 1.529 |

| | | |
|-----|-------|-------|
| 103 | 10.62 | 2.817 |
| 111 | 10.55 | 3.192 |
| 137 | 10.06 | 5.848 |

| 020.20 Total Phosphate | | |
|------------------------|--------------|---------------|
| Lab | | Spectrometric |
| 99 | 54.47 | -1.814 |
| 61 | 54.18 | -1.091 |
| Std Dev | 54.14 | -1.000 |
| 24 | 54.10 | -0.891 |
| 24 | 54.06 | -0.804 |
| 61 | 53.93 | -0.467 |
| 32 | 53.87 | -0.330 |
| 34 | 53.77 | -0.081 |
| 9 | 53.74 | 0.000 |
| Median | 53.74 | 0.000 |
| 23 | 53.66 | 0.193 |
| 23 | 53.64 | 0.256 |
| 32 | 53.56 | 0.455 |
| 111 | 53.36 | 0.954 |
| Std Dev | 53.34 | 1.000 |
| 110 | 53.22 | 1.303 |
| 14 | 53.20 | 1.340 |
| 14 | 53.17 | 1.415 |

| 020.40 Total Phosphate | | |
|------------------------|--------------|--------------|
| Lab | | Automated |
| 137 | 52.64 | 0.000 |
| Median | 52.64 | 0.000 |

| 020.50 Total Phosphate | | |
|------------------------|--------------|--------------|
| Lab | | ICP |
| 111 | 53.49 | 0.000 |
| Median | 53.49 | 0.000 |

| 020.XX Total Phosphate | | |
|------------------------|--------------|---------------|
| Lab | | Total Method |
| 99 | 54.47 | -1.892 |
| 61 | 54.18 | -1.211 |
| 24 | 54.10 | -1.023 |
| Std Dev | 54.09 | -1.000 |
| 24 | 54.06 | -0.940 |
| 61 | 53.93 | -0.623 |
| 32 | 53.87 | -0.494 |

| | | |
|---------------|--------------|--------------|
| 34 | 53.77 | -0.259 |
| 9 | 53.74 | -0.182 |
| 23 | 53.66 | 0.000 |
| Median | 53.66 | 0.000 |

| | | |
|----------------|--------------|--------------|
| 23 | 53.64 | 0.059 |
| 32 | 53.56 | 0.247 |
| 111 | 53.49 | 0.400 |
| 111 | 53.36 | 0.717 |
| Std Dev | 53.23 | 1.000 |
| 110 | 53.22 | 1.046 |
| 14 | 53.20 | 1.081 |
| 14 | 53.17 | 1.152 |
| 137 | 52.64 | 2.410 |

| 030.20 Insoluble Phosphate | | |
|----------------------------|-------------|---------------|
| Lab | | Spectrometric |
| 61 | 1.18 | -1.646 |
| Std Dev | 1.08 | -1.000 |
| 24 | 0.96 | -0.235 |
| 24 | 0.94 | -0.141 |
| Median | 0.92 | 0.000 |
| 61 | 0.90 | 0.141 |
| Std Dev | 0.76 | 1.000 |
| 23 | 0.69 | 1.458 |
| 23 | 0.65 | 1.677 |

| 030.40 Insoluble Phosphate | | |
|----------------------------|-------------|---------------|
| Lab | | Automated |
| 34 | 0.70 | -1.340 |
| Std Dev | 0.68 | -1.000 |
| Median | 0.62 | 0.000 |
| Std Dev | 0.56 | 1.000 |
| 9 | 0.55 | 1.340 |

| 030.99 Insoluble Phosphate | | |
|----------------------------|-------------|---------------|
| Lab | | Other |
| 32 | 0.68 | -1.340 |
| Std Dev | 0.68 | -1.000 |
| Median | 0.66 | 0.000 |
| Std Dev | 0.65 | 1.000 |
| 32 | 0.65 | 1.340 |

| 030.XX Insoluble Phosphate | | |
|----------------------------|--|--------------|
| Lab | | Total Method |

| | | |
|----------------|-------------|---------------|
| 61 | 1.18 | -2.408 |
| 24 | 0.96 | -1.297 |
| 24 | 0.94 | -1.223 |
| 61 | 0.90 | -1.000 |
| Std Dev | 0.89 | -1.000 |
| 34 | 0.70 | -0.037 |
| Median | 0.69 | 0.000 |
| 23 | 0.69 | 0.037 |
| 32 | 0.68 | 0.062 |
| 23 | 0.65 | 0.210 |
| 32 | 0.65 | 0.235 |
| 9 | 0.55 | 0.729 |

| 040.20 Indirect Available Phosphate | | |
|-------------------------------------|---------------|---------------|
| Lab | Spectrometric | |
| 9 | 53.19 | -1.405 |
| 24 | 53.16 | -1.081 |
| Std Dev | 53.15 | -1.000 |
| 24 | 53.14 | -0.908 |
| 61 | 53.03 | 0.000 |
| Median | 53.03 | 0.000 |
| 61 | 53.00 | 0.303 |
| 23 | 52.99 | 0.389 |
| 23 | 52.98 | 0.475 |

| 040.99 Indirect Available Phosphate | | |
|-------------------------------------|--------------|--------------|
| Lab | Other | |
| 34 | 53.07 | 0.000 |
| Median | 53.07 | 0.000 |

| 040.XX Indirect Available Phosphate | | |
|-------------------------------------|--------------|---------------|
| Lab | Total Method | |
| 9 | 53.19 | -1.295 |
| Std Dev | 53.16 | -1.000 |
| 24 | 53.16 | -0.954 |
| 24 | 53.14 | -0.772 |
| 34 | 53.07 | -0.182 |
| Median | 53.05 | 0.000 |
| 61 | 53.03 | 0.182 |
| 61 | 53.00 | 0.500 |
| 23 | 52.99 | 0.591 |
| 23 | 52.98 | 0.681 |

| 041.10 Direct Available Phosphate | | |
|-----------------------------------|-----------------------|--------------|
| Lab | Gravimetric Quimociac | |
| 47 | 50.93 | 0.000 |
| Median | 50.93 | 0.000 |

| 041.20 Direct Available Phosphate | | |
|-----------------------------------|---------------|--------------|
| Lab | Spectrometric | |
| 47 | 52.65 | 0.000 |
| Median | 52.65 | 0.000 |

| 041.40 Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | Automated | |
| 38 | 53.00 | -1.340 |
| Std Dev | 52.91 | -1.000 |
| Median | 52.66 | 0.000 |
| Std Dev | 52.40 | 1.000 |
| 49 | 52.32 | 1.340 |

| 041.50 Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | ICP | |
| 63 | 53.25 | -1.350 |
| Std Dev | 53.08 | -1.000 |
| 64 | 52.61 | 0.000 |
| Median | 52.61 | 0.000 |
| Std Dev | 52.13 | 1.000 |
| 66 | 51.97 | 1.330 |

| 041.60 Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | EDTA Extract | |
| 29 | 54.37 | -4.035 |
| Std Dev | 52.98 | -1.000 |
| 77 | 52.72 | -0.425 |
| 219 | 52.52 | 0.000 |
| Median | 52.52 | 0.000 |
| 137 | 52.10 | 0.915 |
| Std Dev | 52.06 | 1.000 |
| 103 | 51.99 | 1.166 |

| 041.XX Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | Total Method | |
| 29 | 54.37 | -3.391 |
| 63 | 53.25 | -1.288 |
| Std Dev | 53.10 | -1.000 |
| 38 | 53.00 | -0.820 |

| | | |
|----------------|--------------|--------------|
| 77 | 52.72 | -0.286 |
| 47 | 52.65 | -0.155 |
| 64 | 52.61 | -0.080 |
| Median | 52.56 | 0.000 |
| 219 | 52.52 | 0.080 |
| 49 | 52.32 | 0.464 |
| 137 | 52.10 | 0.867 |
| Std Dev | 52.03 | 1.000 |
| 103 | 51.99 | 1.082 |
| 66 | 51.97 | 1.110 |
| 47 | 50.93 | 3.069 |

| 048.20 Water Soluble Phosphate | | |
|--------------------------------|---------------|---------------|
| Lab | Spectrometric | |
| 61 | 49.01 | -1.522 |
| Std Dev | 48.70 | -1.000 |
| 9 | 48.67 | -0.956 |
| 61 | 48.65 | -0.918 |
| 23 | 48.21 | -0.172 |
| 23 | 48.13 | -0.046 |
| Median | 48.10 | 0.000 |
| 24 | 48.08 | 0.046 |
| 24 | 47.95 | 0.256 |
| 14 | 47.67 | 0.726 |
| 111 | 47.65 | 0.768 |
| 14 | 47.63 | 0.801 |

| 048.99 Water Soluble Phosphate | | |
|--------------------------------|--------------|---------------|
| Lab | Other | |
| 34 | 48.24 | -2.727 |
| Std Dev | 48.06 | -1.000 |
| 32 | 47.97 | -0.119 |
| Median | 47.95 | 0.000 |
| 32 | 47.94 | 0.119 |
| Std Dev | 47.85 | 1.000 |
| 111 | 47.75 | 1.921 |

| 048.XX Water Soluble Phosphate | | |
|--------------------------------|--------------|---------------|
| Lab | Total Method | |
| 61 | 49.01 | -3.058 |
| 9 | 48.67 | -2.016 |
| 61 | 48.65 | -1.946 |
| Std Dev | 48.34 | -1.000 |
| 34 | 48.24 | -0.680 |

| | | |
|----------------|--------------|--------------|
| 23 | 48.21 | -0.572 |
| 23 | 48.13 | -0.340 |
| 24 | 48.08 | -0.170 |
| Median | 48.02 | 0.000 |
| 32 | 47.97 | 0.170 |
| 24 | 47.95 | 0.216 |
| 32 | 47.94 | 0.247 |
| 111 | 47.75 | 0.834 |
| Std Dev | 47.70 | 1.000 |
| 14 | 47.67 | 1.081 |
| 111 | 47.65 | 1.159 |
| 14 | 47.63 | 1.220 |

| 050.50 %K ₂ O Soluble Potash | | |
|---|--------------|---------------|
| Lab | ICP(Oxalate) | |
| 99 | 0.23 | -2.457 |
| Std Dev | 0.20 | -1.000 |
| 23 | 0.18 | 0.000 |
| Median | 0.18 | 0.000 |
| 23 | 0.17 | 0.223 |

| 050.51 %K ₂ O Soluble Potash | | |
|---|--------------|--------------|
| Lab | ICP(Citrate) | |
| 137 | 0.17 | 0.000 |
| Median | 0.17 | 0.000 |

| 050.99 Soluble Potash | | |
|-----------------------|-------------------|---------------|
| Lab | %K ₂ O | Other |
| 61 | 0.19 | -1.340 |
| Std Dev | 0.18 | -1.000 |
| 61 | 0.18 | -0.893 |
| 111 | 0.17 | 0.000 |
| Median | 0.17 | 0.000 |
| 24 | 0.17 | 0.447 |
| 24 | 0.17 | 0.447 |

| 050.XX Soluble Potash | | |
|-----------------------|-------------------|---------------|
| Lab | %K ₂ O | Total Method |
| 99 | 0.23 | -8.040 |
| 61 | 0.19 | -2.010 |
| 61 | 0.18 | -1.340 |
| Std Dev | 0.18 | -1.000 |
| 23 | 0.18 | -0.670 |
| 23 | 0.17 | 0.000 |

AFPC Check Sample 12-2015

| | | |
|---------------|-------------|--------------|
| 111 | 0.17 | 0.000 |
| 137 | 0.17 | 0.000 |
| Median | 0.17 | 0.000 |
| 24 | 0.17 | 0.670 |
| 24 | 0.17 | 0.670 |

| 060.00 | | Free Water |
|----------------|-------------|---------------|
| Lab | Vacuum Oven | |
| 61 | 1.12 | -2.168 |
| 61 | 1.01 | -1.261 |
| 9 | 0.98 | -1.025 |
| Std Dev | 0.97 | -1.000 |
| 32 | 0.88 | -0.276 |
| 34 | 0.88 | -0.276 |
| 32 | 0.85 | 0.000 |
| Median | 0.85 | 0.000 |
| 24 | 0.84 | 0.079 |
| 24 | 0.82 | 0.236 |
| Std Dev | 0.72 | 1.000 |
| 23 | 0.70 | 1.143 |
| 23 | 0.70 | 1.143 |
| 111 | 0.50 | 2.759 |

| 060.99 | | Free Water |
|----------------|-------------|---------------|
| Lab | Other | |
| 47 | 1.05 | -2.503 |
| Std Dev | 0.79 | -1.000 |
| 14 | 0.63 | 0.000 |
| Median | 0.63 | 0.000 |
| 14 | 0.60 | 0.177 |

| 060.XX | | Free Water |
|----------------|--------------|---------------|
| Lab | Total Method | |
| 61 | 1.12 | -1.493 |
| 47 | 1.05 | -1.120 |
| Std Dev | 1.03 | -1.000 |
| 61 | 1.01 | -0.880 |
| 9 | 0.98 | -0.720 |
| 32 | 0.88 | -0.213 |
| 34 | 0.88 | -0.213 |
| 32 | 0.85 | -0.027 |
| Median | 0.84 | 0.000 |
| 24 | 0.84 | 0.027 |
| 24 | 0.82 | 0.133 |

| | | |
|----------------|-------------|--------------|
| 23 | 0.70 | 0.747 |
| 23 | 0.70 | 0.747 |
| Std Dev | 0.65 | 1.000 |
| 14 | 0.63 | 1.147 |
| 14 | 0.60 | 1.307 |
| 111 | 0.50 | 1.840 |

| 101.00 | | Acid Soluble Calcium |
|---------------|-------------|----------------------|
| Lab | %CaO | Atomic Absorption |
| 219 | 0.24 | 0.000 |
| Median | 0.24 | 0.000 |

| 101.30 | | Acid Soluble Calcium |
|----------------|-------------|----------------------|
| Lab | %CaO | ICP |
| 111 | 0.43 | -1.876 |
| 24 | 0.41 | -1.072 |
| Std Dev | 0.41 | -1.000 |
| 61 | 0.41 | -0.804 |
| 34 | 0.40 | -0.536 |
| 32 | 0.40 | -0.268 |
| 61 | 0.40 | -0.268 |
| 32 | 0.39 | 0.000 |
| Median | 0.39 | 0.000 |
| 23 | 0.38 | 0.536 |
| 23 | 0.38 | 0.804 |
| 24 | 0.38 | 0.804 |
| Std Dev | 0.37 | 1.000 |
| 14 | 0.37 | 1.340 |
| 14 | 0.36 | 1.876 |
| 9 | 0.35 | 2.278 |

| 101.XX | | Acid Soluble Calcium |
|----------------|-------------|----------------------|
| Lab | %CaO | Total Method |
| 111 | 0.43 | -1.715 |
| 24 | 0.41 | -1.072 |
| Std Dev | 0.41 | -1.000 |
| 61 | 0.41 | -0.858 |
| 34 | 0.40 | -0.643 |
| 32 | 0.40 | -0.429 |
| 61 | 0.40 | -0.429 |
| 32 | 0.39 | -0.214 |
| Median | 0.39 | 0.000 |
| 23 | 0.38 | 0.214 |
| 23 | 0.38 | 0.429 |

| | | |
|----------------|-------------|--------------|
| 24 | 0.38 | 0.429 |
| 14 | 0.37 | 0.858 |
| Std Dev | 0.36 | 1.000 |
| 14 | 0.36 | 1.286 |
| 9 | 0.35 | 1.608 |
| 219 | 0.24 | 6.025 |

| 121.00 | | Acid Soluble Magnesium |
|---------------|-------------|------------------------|
| Lab | %MgO | Atomic Absorption |
| 219 | 0.71 | 0.000 |
| Median | 0.71 | 0.000 |

| 121.30 | | Acid Soluble Magnesium |
|----------------|-------------|------------------------|
| Lab | %MgO | ICP |
| 32 | 0.96 | -0.503 |
| 24 | 0.96 | -0.335 |
| 24 | 0.96 | -0.335 |
| 23 | 0.95 | -0.168 |
| 34 | 0.95 | -0.168 |
| 32 | 0.95 | 0.000 |
| 61 | 0.95 | 0.000 |
| 61 | 0.95 | 0.000 |
| Median | 0.95 | 0.000 |
| 23 | 0.94 | 0.168 |
| Std Dev | 0.92 | 1.000 |
| 9 | 0.91 | 1.173 |
| 14 | 0.86 | 3.015 |
| 14 | 0.86 | 3.015 |
| 111 | 0.86 | 3.015 |

| 121.XX | | Acid Soluble Magnesium |
|----------------|-------------|------------------------|
| Lab | %MgO | Total Method |
| 32 | 0.96 | -0.247 |
| 24 | 0.96 | -0.165 |
| 24 | 0.96 | -0.165 |
| 23 | 0.95 | -0.082 |
| 34 | 0.95 | -0.082 |
| 32 | 0.95 | 0.000 |
| 61 | 0.95 | 0.000 |
| 61 | 0.95 | 0.000 |
| Median | 0.95 | 0.000 |
| 23 | 0.94 | 0.082 |
| 9 | 0.91 | 0.577 |
| Std Dev | 0.88 | 1.000 |

| | | |
|-----|------|-------|
| 14 | 0.86 | 1.484 |
| 14 | 0.86 | 1.484 |
| 111 | 0.86 | 1.484 |
| 219 | 0.71 | 3.958 |

| 144.70 | | Sulfur |
|----------------|---------------|---------------|
| Lab | Spectrometric | |
| 14 | 1.51 | -1.340 |
| Std Dev | 1.51 | -1.000 |
| Median | 1.49 | 0.000 |
| Std Dev | 1.48 | 1.000 |
| 14 | 1.48 | 1.340 |

| 144.99 | | Sulfate Sulfur (S) |
|----------------|-------------|--------------------|
| Lab | Other | |
| 23 | 1.53 | -1.686 |
| 61 | 1.52 | -1.445 |
| 23 | 1.52 | -1.325 |
| Std Dev | 1.50 | -1.000 |
| 24 | 1.48 | -0.482 |
| 24 | 1.46 | 0.000 |
| 34 | 1.46 | 0.000 |
| Median | 1.46 | 0.000 |
| 9 | 1.45 | 0.181 |
| 32 | 1.45 | 0.241 |
| 61 | 1.45 | 0.361 |
| Std Dev | 1.42 | 1.000 |
| 32 | 1.40 | 1.445 |

| 144.XX | | Sulfate Sulfur (S) |
|----------------|--------------|--------------------|
| Lab | Total Method | |
| 23 | 1.53 | -1.411 |
| 61 | 1.52 | -1.185 |
| 23 | 1.52 | -1.072 |
| Std Dev | 1.51 | -1.000 |
| 14 | 1.51 | -0.959 |
| 24 | 1.48 | -0.282 |
| 14 | 1.48 | -0.169 |
| Median | 1.47 | 0.000 |
| 24 | 1.46 | 0.169 |
| 34 | 1.46 | 0.169 |
| 9 | 1.45 | 0.339 |
| 32 | 1.45 | 0.395 |
| 61 | 1.45 | 0.508 |

| | | |
|---------|------|-------|
| Std Dev | 1.42 | 1.000 |
| 32 | 1.40 | 1.523 |

| 145.99 Total Sulfur (S) | | |
|-------------------------|-------|-------|
| Lab | Other | |
| 111 | 1.43 | 0.000 |
| Median | 1.43 | 0.000 |

| 145.XX Total Sulfur (S) | | |
|-------------------------|--------------|-------|
| Lab | Total Method | |
| 111 | 1.43 | 0.000 |
| Median | 1.43 | 0.000 |

| 151.30 Total Arsenic | | |
|----------------------|-------|--------|
| Lab | ICP | |
| 18 | 16.10 | -1.783 |
| Std Dev | 14.91 | -1.000 |
| 18 | 14.05 | -0.432 |
| Median | 13.40 | 0.000 |
| 64 | 12.74 | 0.432 |
| 24 | 11.90 | 0.986 |

| 151.99 Total Arsenic | | |
|----------------------|-------|-------|
| Lab | Other | |
| 61 | 12.00 | 0.000 |
| Median | 12.00 | 0.000 |

| 151.XX Total Arsenic | | |
|----------------------|--------------|--------|
| Lab | Total Method | |
| 18 | 16.10 | -2.196 |
| Std Dev | 14.27 | -1.000 |
| 18 | 14.05 | -0.856 |
| 64 | 12.74 | 0.000 |
| Median | 12.74 | 0.000 |
| 61 | 12.00 | 0.484 |
| 24 | 11.90 | 0.549 |

| 165.99 Acid Soluble Boron | | |
|---------------------------|-------|-------|
| Lab | PPM | Other |
| 24 | 33.50 | 0.000 |
| Median | 33.50 | 0.000 |

| 65.XX, ppm Acid Soluble Boron | | |
|-------------------------------|-----|--------------|
| Lab | PPM | Total Method |

| | | |
|--------|-------|-------|
| 24 | 33.50 | 0.000 |
| Median | 33.50 | 0.000 |

| 181.30 Total Cadmium | | |
|----------------------|-------|--------|
| Lab | PPM | ICP |
| 61 | 19.00 | -1.742 |
| 61 | 19.00 | -1.742 |
| Std Dev | 12.71 | -1.000 |
| 18 | 4.45 | -0.026 |
| Median | 4.23 | 0.000 |
| 64 | 4.01 | 0.026 |
| 18 | 4.00 | 0.027 |
| 111 | 4.00 | 0.027 |

| 181.99 Total Cadmium | | |
|----------------------|-------|-------|
| Lab | Other | |
| 24 | 3.86 | 0.000 |
| Median | 3.86 | 0.000 |

| 181.XX Total Cadmium | | |
|----------------------|-------|--------------|
| Lab | PPM | Total Method |
| 61 | 19.00 | -2.601 |
| 61 | 19.00 | -2.601 |
| Std Dev | 9.77 | -1.000 |
| 18 | 4.45 | -0.077 |
| 64 | 4.01 | 0.000 |
| Median | 4.01 | 0.000 |
| 18 | 4.00 | 0.001 |
| 111 | 4.00 | 0.001 |
| 24 | 3.86 | 0.025 |

| 190.00 Aluminum | | | |
|-----------------|---------------------------------|--------|--|
| Lab | %Al ₂ O ₃ | ICP | |
| 14 | 2.07 | -1.608 | |
| 14 | 2.06 | -1.455 | |
| 32 | 2.04 | -1.225 | |
| 9 | 2.04 | -1.187 | |
| Std Dev | 2.03 | -1.000 | |
| 32 | 2.03 | -0.995 | |
| 24 | 1.97 | -0.153 | |
| 24 | 1.96 | 0.000 | |
| Median | 1.96 | 0.000 | |
| 23 | 1.95 | 0.153 | |
| 23 | 1.95 | 0.153 | |

| | | |
|---------|------|--------|
| 34 | 1.95 | 0.153 |
| 61 | 1.95 | 0.230 |
| 61 | 1.93 | 0.536 |
| Std Dev | 1.89 | 1.000 |
| 111 | 1.27 | 10.567 |

| 190.XX Aluminum | | |
|-----------------|---------------------------------|--------------|
| Lab | %Al ₂ O ₃ | Total Method |
| 14 | 2.07 | -1.608 |
| 14 | 2.06 | -1.455 |
| 32 | 2.04 | -1.225 |
| 9 | 2.04 | -1.187 |
| Std Dev | 2.03 | -1.000 |
| 32 | 2.03 | -0.995 |
| 24 | 1.97 | -0.153 |
| 24 | 1.96 | 0.000 |
| Median | 1.96 | 0.000 |
| 23 | 1.95 | 0.153 |
| 23 | 1.95 | 0.153 |
| 34 | 1.95 | 0.153 |
| 61 | 1.95 | 0.230 |
| 61 | 1.93 | 0.536 |
| Std Dev | 1.89 | 1.000 |
| 111 | 1.27 | 10.567 |

| 191.30 Total Chromium | | |
|-----------------------|--------|--------|
| Lab | ICP | |
| 18 | 103.00 | -1.637 |
| 18 | 101.20 | -1.269 |
| Std Dev | 99.89 | -1.000 |
| 61 | 96.50 | -0.307 |
| Median | 95.00 | 0.000 |
| 61 | 93.50 | 0.307 |
| 64 | 93.47 | 0.313 |
| 111 | 90.50 | 0.921 |

| 191.99 Total Chromium | | |
|-----------------------|-------|-------|
| Lab | PPM | Other |
| 24 | 88.90 | 0.000 |
| Median | 88.90 | 0.000 |

| 191.XX Total Chromium | | |
|-----------------------|--------|--------------|
| Lab | PPM | Total Method |
| 18 | 103.00 | -1.854 |

| | | |
|---------|--------|--------|
| 18 | 101.20 | -1.503 |
| Std Dev | 98.62 | -1.000 |
| 61 | 96.50 | -0.586 |
| 61 | 93.50 | 0.000 |
| Median | 93.50 | 0.000 |
| 64 | 93.47 | 0.006 |
| 111 | 90.50 | 0.586 |
| 24 | 88.90 | 0.898 |

| 202.30 Acid Soluble Cobalt | | |
|----------------------------|-----|-----|
| Lab | PPM | ICP |
| 61 | | |

| 202.99 Acid Soluble Cobalt | | |
|----------------------------|-------|-------|
| Lab | Other | |
| 24 | 2.87 | 0.000 |
| Median | 2.87 | 0.000 |

| 202.XX Acid Soluble Cobalt | | |
|----------------------------|------|--------------|
| Lab | PPM | Total Method |
| 61 | 4.30 | -2.792 |
| 64 | 3.57 | -1.161 |
| Std Dev | 3.50 | -1.000 |
| 61 | 3.20 | -0.335 |
| 18 | 3.05 | 0.000 |
| Median | 3.05 | 0.000 |
| 24 | 2.87 | 0.402 |
| 18 | 2.70 | 0.782 |
| Std Dev | 2.60 | 1.000 |
| 111 | 2.50 | 1.228 |

| 221.00 Acid Soluble Copper | | |
|----------------------------|-------------------|-------|
| Lab | Atomic Absorption | |
| 219 | 1.29 | 0.000 |
| Median | 1.29 | 0.000 |

| 221.30 Acid Soluble Copper | | |
|----------------------------|-------|--------|
| Lab | PPM | ICP |
| 61 | <0.2 | 0.000 |
| 61 | <0.2 | 0.000 |
| 111 | 18.50 | -2.374 |
| Std Dev | 9.53 | -1.000 |
| 18 | 3.00 | 0.000 |
| Median | 3.00 | 0.000 |
| 18 | 1.00 | 0.306 |

| 221.99 Acid Soluble Copper | | |
|----------------------------|-------------|--------------|
| Lab | | Other |
| 24 | 0.87 | 0.000 |
| Median | 0.87 | 0.000 |

| 221.XX Acid Soluble Copper | | |
|----------------------------|-------------|---------------|
| Lab | PPM | Total Method |
| 61 | <0.2 | 0.000 |
| 61 | <0.2 | 0.000 |
| 111 | 18.50 | -3.743 |
| Std Dev | 6.41 | -1.000 |
| 18 | 3.00 | -0.227 |
| Median | 2.00 | 0.000 |
| 18 | 1.00 | 0.227 |
| 24 | 0.87 | 0.256 |

| 241.30 Acid Soluble Iron | | |
|--------------------------|---------------------------------|---------------|
| Lab | %Fe ₂ O ₃ | ICP |
| 24 | 1.27 | -1.117 |
| Std Dev | 1.26 | -1.000 |
| 23 | 1.26 | -0.893 |
| 24 | 1.26 | -0.893 |
| 32 | 1.26 | -0.670 |
| 61 | 1.26 | -0.670 |
| 23 | 1.24 | 0.000 |
| 34 | 1.24 | 0.000 |
| Median | 1.24 | 0.000 |
| 14 | 1.24 | 0.223 |
| 111 | 1.23 | 0.447 |
| 61 | 1.23 | 0.670 |
| 32 | 1.22 | 0.893 |
| Std Dev | 1.22 | 1.000 |
| 9 | 1.22 | 1.005 |
| 14 | 1.21 | 1.340 |

| 241.XX Acid Soluble Iron | | |
|--------------------------|---------------------------------|---------------|
| Lab | %Fe ₂ O ₃ | Total Method |
| 219 | 1.29 | -2.062 |
| 24 | 1.27 | -1.031 |
| Std Dev | 1.26 | -1.000 |
| 23 | 1.26 | -0.825 |
| 24 | 1.26 | -0.825 |
| 32 | 1.26 | -0.618 |

| | | |
|----------------|-------------|--------------|
| 61 | 1.26 | -0.618 |
| 23 | 1.24 | 0.000 |
| 34 | 1.24 | 0.000 |
| Median | 1.24 | 0.000 |
| 14 | 1.24 | 0.206 |
| 111 | 1.23 | 0.412 |
| 61 | 1.23 | 0.618 |
| 32 | 1.22 | 0.825 |
| 9 | 1.22 | 0.928 |
| Std Dev | 1.22 | 1.000 |
| 14 | 1.21 | 1.237 |

| 251.30 Total Lead | | |
|-------------------|-------------|--------------|
| Lab | PPM | ICP |
| 61 | <1.2 | 0.000 |
| 61 | <1.2 | 0.000 |
| 111 | 0.00 | 0.000 |
| Median | 0.00 | 0.000 |

| 251.99 Total Lead | | |
|-------------------|-------------|--------------|
| Lab | | Other |
| 24 | 1.25 | 0.000 |
| Median | 1.25 | 0.000 |

| 251.XX Total Lead | | |
|-------------------|-------------|---------------|
| Lab | PPM | Total Method |
| 61 | <1.2 | 0.000 |
| 61 | <1.2 | 0.000 |
| 24 | 1.25 | -1.340 |
| Std Dev | 1.09 | -1.000 |
| Median | 0.63 | 0.000 |
| 111 | 0.00 | 1.340 |

| 261.11 Acid Soluble Manganese | | |
|-------------------------------|---------------|-------------------|
| Lab | | Atomic Absorption |
| 219 | 512.75 | 0.000 |
| Median | 512.75 | 0.000 |

| 261.30 Acid Soluble Manganese | | |
|-------------------------------|---------------|--------------|
| Lab | | ICP |
| 18 | 500.85 | -0.299 |
| 18 | 495.90 | 0.000 |
| Median | 495.90 | 0.000 |
| Std Dev | 479.35 | 1.000 |

| | | |
|-----|--------|-------|
| 111 | 456.50 | 2.381 |
|-----|--------|-------|

| 261.99 Acid Soluble Manganese | | |
|-------------------------------|---------------|--------------|
| Lab | PPM | Other |
| 61 | 494.50 | -0.412 |
| 61 | 491.50 | 0.000 |
| Median | 491.50 | 0.000 |
| Std Dev | 484.22 | 1.000 |
| 24 | 475.00 | 2.268 |

| 261.XX Acid Soluble Manganese | | |
|-------------------------------|---------------|---------------|
| Lab | PPM | Total Method |
| 219 | 512.75 | -1.617 |
| Std Dev | 505.79 | -1.000 |
| 18 | 500.85 | -0.563 |
| 18 | 495.90 | -0.124 |
| 61 | 494.50 | 0.000 |
| Median | 494.50 | 0.000 |
| 61 | 491.50 | 0.266 |
| Std Dev | 483.21 | 1.000 |
| 24 | 475.00 | 1.728 |
| 111 | 456.50 | 3.367 |

| 281.30 Total Mercury | | |
|----------------------|-------------|--------------|
| Lab | PPM | ICP |
| 24 | 0.06 | 0.000 |
| Median | 0.06 | 0.000 |

| 281.XX Total Mercury | | |
|----------------------|-------------|--------------|
| Lab | PPM | Total Method |
| 24 | 0.06 | 0.000 |
| Median | 0.06 | 0.000 |

| 289.30 Total Molybdenum | | |
|-------------------------|-----|-----|
| Lab | PPM | ICP |
| 61 | | |

| 289.99 Total Molybdenum | | |
|-------------------------|--------------|--------------|
| Lab | PPM | Other |
| 24 | 29.60 | 0.000 |
| Median | 29.60 | 0.000 |

| 289.XX Total Molybdenum | | |
|-------------------------|-------|--------------|
| Lab | PPM | Total Method |
| 24 | 29.60 | -2.197 |

| | | |
|----------------|--------------|---------------|
| Std Dev | 26.34 | -1.000 |
| 61 | 25.00 | -0.508 |
| 111 | 24.50 | -0.325 |
| 64 | 23.62 | 0.000 |
| Median | 23.62 | 0.000 |
| 18 | 21.30 | 0.850 |
| 18 | 20.90 | 0.997 |
| Std Dev | 20.89 | 1.000 |
| 61 | 20.00 | 1.327 |

| 291.30 Total Nickel | | |
|---------------------|--|-----|
| Lab | | ICP |
| 61 | | |

| 291.99 Total Nickel | | |
|---------------------|--------------|---------------|
| Lab | PPM | Other |
| 18 | 14.70 | -1.675 |
| Std Dev | 14.50 | -1.000 |
| 18 | 14.20 | 0.000 |
| Median | 14.20 | 0.000 |
| Std Dev | 13.90 | 1.000 |
| 24 | 13.90 | 1.005 |

| 291.XX Total Nickel | | |
|---------------------|--------------|---------------|
| Lab | PPM | Total Method |
| 61 | 15.00 | -1.986 |
| 18 | 14.70 | -1.230 |
| Std Dev | 14.61 | -1.000 |
| 64 | 14.23 | -0.032 |
| Median | 14.21 | 0.000 |
| 18 | 14.20 | 0.032 |
| 61 | 14.00 | 0.536 |
| 24 | 13.90 | 0.788 |

| 301.30 Total Selenium | | |
|-----------------------|-------------|---------------|
| Lab | PPM | ICP |
| 18 | 1.15 | -2.191 |
| Std Dev | 0.64 | -1.000 |
| 24 | 0.21 | 0.000 |
| Median | 0.21 | 0.000 |
| 111 | 0.00 | 0.489 |

| 301.99 Total Selenium | | |
|-----------------------|------|-------|
| Lab | PPM | Other |
| 18 | 2.20 | 0.000 |

AFPC Check Sample 12-2015

Median 2.20 0.000

| 301.XX | | Total Selenium |
|---------|------|----------------|
| Lab | PPM | Total Mthod |
| 18 | 2.20 | -1.623 |
| Std Dev | 1.62 | -1.000 |
| 18 | 1.15 | -0.502 |
| Median | 0.68 | 0.000 |
| 24 | 0.21 | 0.502 |
| 111 | 0.00 | 0.726 |

| 311.99 | | Sodium |
|---------|--------------------|--------|
| Lab | %Na ₂ O | Other |
| 111 | 0.29 | -9.827 |
| 23 | 0.24 | -1.787 |
| Std Dev | 0.24 | -1.000 |
| 23 | 0.24 | -0.893 |
| 24 | 0.23 | 0.000 |
| 24 | 0.23 | 0.000 |
| 61 | 0.23 | 0.000 |
| Median | 0.23 | 0.000 |
| Std Dev | 0.22 | 1.000 |
| 61 | 0.22 | 1.787 |

| 311.XX | | Sodium |
|---------|--------------------|--------------|
| Lab | %Na ₂ O | Total Method |
| 111 | 0.29 | -9.827 |
| 23 | 0.24 | -1.787 |
| Std Dev | 0.24 | -1.000 |
| 23 | 0.24 | -0.893 |
| 24 | 0.23 | 0.000 |
| 24 | 0.23 | 0.000 |
| 61 | 0.23 | 0.000 |
| Median | 0.23 | 0.000 |
| Std Dev | 0.22 | 1.000 |
| 61 | 0.22 | 1.787 |

| 321.00 | | Acid Soluble Zinc |
|--------|--------|-------------------|
| Lab | | Atomic Absorption |
| 219 | 313.80 | 0.000 |
| Median | 313.80 | 0.000 |

| 321.30 | | Acid Soluble Zinc |
|---------|--------|-------------------|
| Lab | PPM | ICP |
| 111 | 336.00 | -2.441 |
| Std Dev | 317.99 | -1.000 |
| 61 | 312.00 | -0.520 |
| 64 | 311.93 | -0.515 |
| 61 | 305.50 | 0.000 |
| Median | 305.50 | 0.000 |
| 18 | 297.70 | 0.624 |
| Std Dev | 293.01 | 1.000 |
| 18 | 292.75 | 1.021 |
| 24 | 289.00 | 1.321 |

| 321.XX | | Acid Soluble Zinc |
|---------|--------|-------------------|
| Lab | PPM | Total Method |
| 111 | 336.00 | -2.287 |
| Std Dev | 320.65 | -1.000 |
| 219 | 313.80 | -0.426 |
| 61 | 312.00 | -0.275 |
| 64 | 311.93 | -0.269 |
| Median | 308.72 | 0.000 |
| 61 | 305.50 | 0.269 |
| 18 | 297.70 | 0.923 |
| Std Dev | 296.78 | 1.000 |
| 18 | 292.75 | 1.338 |
| 24 | 289.00 | 1.652 |

| 325.10 | | Fluoride |
|--------|------|-----------|
| Lab | % | Electrode |
| 32 | 1.75 | -0.427 |
| 23 | 1.70 | -0.260 |
| 23 | 1.69 | -0.223 |
| 24 | 1.65 | -0.074 |
| 32 | 1.65 | -0.056 |
| Median | 1.63 | 0.000 |
| 24 | 1.62 | 0.056 |
| 34 | 1.33 | 1.113 |
| 111 | 1.32 | 1.168 |
| 14 | 0.80 | 3.081 |
| 14 | 0.14 | 5.512 |

| 325.99 | | Fluoride |
|--------|------|----------|
| Lab | % | Other |
| 61 | 1.67 | -0.217 |
| 61 | 1.65 | 0.000 |
| Median | 1.65 | 0.000 |

9 1.42 2.463

| 325.XX | | Fluoride |
|--------|------|--------------|
| Lab | % | Total Method |
| 32 | 1.75 | -0.400 |
| 23 | 1.70 | -0.220 |
| 23 | 1.69 | -0.180 |
| 61 | 1.67 | -0.080 |
| 24 | 1.65 | -0.020 |
| 32 | 1.65 | 0.000 |
| 61 | 1.65 | 0.000 |
| Median | 1.65 | 0.000 |
| 24 | 1.62 | 0.120 |
| 9 | 1.42 | 0.910 |
| 34 | 1.33 | 1.260 |
| 111 | 1.32 | 1.320 |
| 14 | 0.80 | 3.382 |
| 14 | 0.14 | 6.004 |