

| 001.10 Ammoniacal Nitrogen | | |
|----------------------------|------------------|--------------|
| Lab | MgO distillation | |
| 31 | 11.34 | 0.000 |
| Median | 11.34 | 0.000 |

| 001.99 Ammoniacal Nitrogen | | |
|----------------------------|--------------|---------------|
| Lab | Other | |
| 61 | 11.30 | -1.619 |
| 24 | 11.29 | -1.284 |
| Std Dev | 11.27 | -1.000 |
| 61 | 11.27 | -0.837 |
| 24 | 11.26 | -0.614 |
| 23 | 11.23 | -0.056 |
| Median | 11.23 | 0.000 |
| 23 | 11.23 | 0.056 |
| 34 | 11.21 | 0.391 |
| 79 | 11.20 | 0.614 |
| 140 | 11.20 | 0.614 |
| Std Dev | 11.18 | 1.000 |
| 38 | 10.70 | 11.892 |

| 001.XX Ammoniacal Nitrogen | | |
|----------------------------|--------------|---------------|
| Lab | Total Method | |
| 31 | 11.34 | -2.106 |
| 61 | 11.30 | -1.340 |
| 24 | 11.29 | -1.053 |
| Std Dev | 11.28 | -1.000 |
| 61 | 11.27 | -0.670 |
| 24 | 11.26 | -0.479 |
| 23 | 11.23 | 0.000 |
| Median | 11.23 | 0.000 |
| 23 | 11.23 | 0.096 |
| 34 | 11.21 | 0.383 |
| 79 | 11.20 | 0.574 |
| 140 | 11.20 | 0.574 |
| Std Dev | 11.18 | 1.000 |
| 38 | 10.70 | 10.241 |

| 002.99 Nitrate Nitrogen | | |
|-------------------------|-------------|--------------|
| Lab | Other | |
| 38 | 0.00 | 0.000 |
| Median | 0.00 | 0.000 |

| 002.XX Nitrate Nitrogen | | |
|-------------------------|--------------|--------------|
| Lab | Total Method | |
| 38 | 0.00 | 0.000 |
| Median | 0.00 | 0.000 |

| 010.60 Total Nitrogen | | |
|-----------------------|--------------|---------------|
| Lab | Combustion | |
| 64 | 17.82 | -79.700 |
| 80 | 11.45 | -2.101 |
| 31 | 11.44 | -1.980 |
| 237 | 11.40 | -1.492 |
| 63 | 11.38 | -1.188 |
| Std Dev | 11.36 | -1.000 |
| 63 | 11.34 | -0.700 |
| 14 | 11.32 | -0.457 |
| 14 | 11.31 | -0.396 |
| 49 | 11.31 | -0.335 |
| 66 | 11.30 | -0.213 |
| 38 | 11.29 | -0.152 |
| 75 | 11.29 | -0.152 |
| 44 | 11.29 | -0.091 |
| Median | 11.28 | 0.000 |
| 99 | 11.27 | 0.091 |
| 79 | 11.26 | 0.274 |
| 64 | 11.25 | 0.298 |
| 77 | 11.24 | 0.457 |
| 47 | 11.24 | 0.518 |
| 9 | 11.22 | 0.761 |
| 111 | 11.20 | 0.944 |
| Std Dev | 11.20 | 1.000 |
| 39 | 11.18 | 1.188 |
| 102 | 11.16 | 1.431 |
| 24 | 11.13 | 1.797 |
| 24 | 11.11 | 2.040 |
| 110 | 11.10 | 2.162 |
| 103 | 11.00 | 3.441 |

| 010.99 Total Nitrogen | | |
|-----------------------|--------------|--------------|
| Lab | Other | |
| 40 | 11.50 | 0.000 |
| Median | 11.50 | 0.000 |

| 010.XX Total Nitrogen | | |
|-----------------------|--------------|--|
| Lab | Total Method | |

| | | |
|----------------|--------------|---------------|
| 64 | 17.82 | -74.527 |
| 40 | 11.50 | -2.452 |
| 80 | 11.45 | -1.882 |
| 31 | 11.44 | -1.768 |
| 237 | 11.40 | -1.311 |
| 63 | 11.38 | -1.026 |
| Std Dev | 11.37 | -1.000 |
| 63 | 11.34 | -0.570 |
| 14 | 11.32 | -0.342 |
| 14 | 11.31 | -0.285 |
| 49 | 11.31 | -0.228 |
| 66 | 11.30 | -0.114 |
| 38 | 11.29 | -0.057 |
| 75 | 11.29 | -0.057 |
| 44 | 11.29 | 0.000 |
| Median | 11.29 | 0.000 |
| 99 | 11.27 | 0.171 |
| 79 | 11.26 | 0.342 |
| 64 | 11.25 | 0.365 |
| 77 | 11.24 | 0.513 |
| 47 | 11.24 | 0.570 |
| 9 | 11.22 | 0.798 |
| 111 | 11.20 | 0.969 |
| Std Dev | 11.20 | 1.000 |
| 39 | 11.18 | 1.197 |
| 102 | 11.16 | 1.426 |
| 24 | 11.13 | 1.768 |
| 24 | 11.11 | 1.996 |
| 110 | 11.10 | 2.110 |
| 103 | 11.00 | 3.307 |

| 020.10 Total Phosphate | | |
|------------------------|-----------------------|---------------|
| Lab | Gravimetric Quimociac | |
| 40 | 53.42 | -1.340 |
| Std Dev | 53.29 | -1.000 |
| Median | 52.91 | 0.000 |
| Std Dev | 52.53 | 1.000 |
| 241 | 52.40 | 1.340 |

| 020.20 Total Phosphate | | |
|------------------------|---------------|--------|
| Lab | Spectrometric | |
| 9 | 53.29 | -2.786 |
| 14 | 53.24 | -2.468 |
| 14 | 53.23 | -2.398 |

| | | |
|----------------|--------------|---------------|
| 31 | 53.15 | -1.798 |
| Std Dev | 53.03 | -1.000 |
| 34 | 53.00 | -0.776 |
| 23 | 52.99 | -0.705 |
| 99 | 52.96 | -0.494 |
| 23 | 52.94 | -0.317 |
| 61 | 52.89 | 0.000 |
| Median | 52.89 | 0.000 |
| 140 | 52.86 | 0.247 |
| 24 | 52.84 | 0.353 |
| 237 | 52.82 | 0.529 |
| 61 | 52.81 | 0.564 |
| 24 | 52.75 | 0.987 |
| 110 | 52.75 | 0.987 |
| Std Dev | 52.75 | 1.000 |
| 79 | 52.57 | 2.257 |
| 102 | 52.06 | 5.854 |

| 020.30 Total Phosphate | | |
|------------------------|-----------------|--------------|
| Lab | Alka. Quimociac | |
| 111 | 52.91 | 0.000 |
| Median | 52.91 | 0.000 |

| 020.40 Total Phosphate | | |
|------------------------|--------------|--------------|
| Lab | Automated | |
| 103 | 47.13 | 0.000 |
| Median | 47.13 | 0.000 |

| 020.50 Total Phosphate | | |
|------------------------|--------------|--------------|
| Lab | ICP | |
| 9 | 53.25 | 0.000 |
| Median | 53.25 | 0.000 |

| 020.XX Total Phosphate | | |
|------------------------|--------------|---------------|
| Lab | Total Method | |
| 40 | 53.42 | -2.017 |
| 9 | 53.29 | -1.511 |
| 9 | 53.25 | -1.355 |
| 14 | 53.24 | -1.335 |
| 14 | 53.23 | -1.296 |
| Std Dev | 53.15 | -1.000 |
| 31 | 53.15 | -0.965 |
| 34 | 53.00 | -0.400 |
| 23 | 52.99 | -0.361 |

| | | |
|----------------|--------------|--------------|
| 99 | 52.96 | -0.244 |
| 23 | 52.94 | -0.146 |
| 111 | 52.91 | -0.029 |
| Median | 52.90 | 0.000 |
| 61 | 52.89 | 0.029 |
| 140 | 52.86 | 0.166 |
| 24 | 52.84 | 0.224 |
| 237 | 52.82 | 0.322 |
| 61 | 52.81 | 0.341 |
| 24 | 52.75 | 0.575 |
| 110 | 52.75 | 0.575 |
| Std Dev | 52.64 | 1.000 |
| 79 | 52.57 | 1.277 |
| 241 | 52.40 | 1.939 |
| 102 | 52.06 | 3.265 |
| 103 | 47.13 | 22.483 |

| 030.20 Insoluble Phosphate | | |
|----------------------------|---------------|---------------|
| Lab | Spectrometric | |
| 14 | 0.44 | -1.763 |
| 61 | 0.43 | -1.618 |
| 14 | 0.42 | -1.569 |
| Std Dev | 0.36 | -1.000 |
| 61 | 0.29 | -0.266 |
| 79 | 0.26 | -0.024 |
| Median | 0.26 | 0.000 |
| 23 | 0.26 | 0.024 |
| 23 | 0.26 | 0.024 |
| 24 | 0.25 | 0.121 |
| 24 | 0.25 | 0.121 |
| 140 | 0.21 | 0.507 |

| 030.30 Insoluble Phosphate | | |
|----------------------------|-----------------|--------------|
| Lab | Alka. Quimociac | |
| 31 | 0.11 | 0.000 |
| Median | 0.11 | 0.000 |

| 030.40 Insoluble Phosphate | | |
|----------------------------|-------------|--------------|
| Lab | Automated | |
| 34 | 0.27 | 0.000 |
| Median | 0.27 | 0.000 |

| 030.50 Insoluble Phosphate | | |
|----------------------------|-------------|--------------|
| Lab | ICP | |
| 9 | 0.21 | 0.000 |
| Median | 0.21 | 0.000 |

| 030.XX Insoluble Phosphate | | |
|----------------------------|--------------|---------------|
| Lab | Total Method | |
| 14 | 0.44 | -6.198 |
| 61 | 0.43 | -5.695 |
| 14 | 0.42 | -5.528 |
| 61 | 0.29 | -1.005 |
| Std Dev | 0.28 | -1.000 |
| 34 | 0.27 | -0.503 |
| 79 | 0.26 | -0.168 |
| 23 | 0.26 | 0.000 |
| 23 | 0.26 | 0.000 |
| Median | 0.26 | 0.000 |
| 24 | 0.25 | 0.335 |
| 24 | 0.25 | 0.335 |
| Std Dev | 0.23 | 1.000 |
| 9 | 0.21 | 1.508 |
| 140 | 0.21 | 1.675 |
| 31 | 0.11 | 5.025 |

| 040.20 Indirect Available Phosphate | | |
|-------------------------------------|---------------|---------------|
| Lab | Spectrometric | |
| 31 | 53.04 | -2.084 |
| Std Dev | 52.84 | -1.000 |
| 14 | 52.81 | -0.839 |
| 14 | 52.79 | -0.731 |
| 23 | 52.74 | -0.433 |
| 23 | 52.68 | -0.135 |
| 140 | 52.66 | 0.000 |
| Median | 52.66 | 0.000 |
| 24 | 52.60 | 0.325 |
| 61 | 52.53 | 0.704 |
| 24 | 52.51 | 0.812 |
| Std Dev | 52.47 | 1.000 |
| 61 | 52.47 | 1.029 |
| 79 | 52.31 | 1.868 |

| 040.50 Indirect Available Phosphate | | |
|-------------------------------------|--------------|--------------|
| Lab | ICP | |
| 9 | 53.05 | 0.000 |
| Median | 53.05 | 0.000 |

| 040.99 Indirect Available Phosphate | | |
|-------------------------------------|--------------|--------------|
| Lab | Other | |
| 34 | 52.71 | 0.000 |
| Median | 52.71 | 0.000 |

| 040.XX Indirect Available Phosphate | | |
|-------------------------------------|--------------|---------------|
| Lab | Total Method | |
| 9 | 53.05 | -1.871 |
| 31 | 53.04 | -1.820 |
| Std Dev | 52.88 | -1.000 |
| 14 | 52.81 | -0.657 |
| 14 | 52.79 | -0.556 |
| 23 | 52.74 | -0.278 |
| 34 | 52.71 | -0.152 |
| 23 | 52.68 | 0.000 |
| Median | 52.68 | 0.000 |
| 140 | 52.66 | 0.126 |
| 24 | 52.60 | 0.430 |
| 61 | 52.53 | 0.784 |
| 24 | 52.51 | 0.885 |
| Std Dev | 52.48 | 1.000 |
| 61 | 52.47 | 1.087 |
| 79 | 52.31 | 1.871 |

| 041.10 Direct Available Phosphate | | |
|-----------------------------------|-----------------------|---------------|
| Lab | Gravimetric Quimociac | |
| 44 | 53.13 | -1.340 |
| Std Dev | 53.12 | -1.000 |
| Median | 53.12 | 0.000 |
| Std Dev | 53.11 | 1.000 |
| 39 | 53.11 | 1.340 |

| 041.20 Direct Available Phosphate | | |
|-----------------------------------|---------------|--------------|
| Lab | Spectrometric | |
| 237 | 52.30 | 0.000 |
| Median | 52.30 | 0.000 |

| 041.40 Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | Automated | |
| 49 | 53.81 | -1.752 |
| Std Dev | 53.36 | -1.000 |
| 39 | 52.96 | -0.330 |
| 14 | 52.78 | -0.021 |
| Median | 52.76 | 0.000 |

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|----------------|--------------|--------------|
| 14 | 52.75 | 0.021 |
| Std Dev | 52.16 | 1.000 |
| 38 | 51.90 | 1.442 |
| 103 | 51.47 | 2.162 |

| 041.50 Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | ICP | |
| 66 | 52.51 | -1.816 |
| Std Dev | 52.23 | -1.000 |
| 80 | 52.20 | -0.908 |
| 63 | 51.90 | 0.000 |
| Median | 51.90 | 0.000 |
| 63 | 51.75 | 0.432 |
| Std Dev | 51.56 | 1.000 |
| 47 | 50.61 | 3.826 |

| 041.60 Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | EDTA Extract | |
| 77 | 53.37 | -1.340 |
| Std Dev | 53.18 | -1.000 |
| Median | 52.62 | 0.000 |
| Std Dev | 52.06 | 1.000 |
| 75 | 51.87 | 1.340 |

| 041.XX Direct Available Phosphate | | |
|-----------------------------------|--------------|---------------|
| Lab | Total Method | |
| 49 | 53.81 | -1.704 |
| 77 | 53.37 | -1.172 |
| Std Dev | 53.23 | -1.000 |
| 44 | 53.13 | -0.876 |
| 39 | 53.11 | -0.858 |
| 39 | 52.96 | -0.677 |
| 14 | 52.78 | -0.453 |
| 14 | 52.75 | -0.423 |
| 66 | 52.51 | -0.127 |
| Median | 52.40 | 0.000 |
| 237 | 52.30 | 0.127 |
| 80 | 52.20 | 0.242 |
| 38 | 51.90 | 0.604 |
| 63 | 51.90 | 0.610 |
| 75 | 51.87 | 0.641 |
| 63 | 51.75 | 0.786 |
| Std Dev | 51.57 | 1.000 |
| 103 | 51.47 | 1.124 |

| | | |
|--------------------------------|-----------------|--------|
| 47 | 50.61 | 2.163 |
| 048.20 Water Soluble Phosphate | | |
| Lab | Spectrometric | |
| 23 | 48.32 | -1.058 |
| Std Dev | 48.30 | -1.000 |
| 31 | 48.19 | -0.733 |
| 79 | 48.09 | -0.505 |
| 61 | 48.09 | -0.493 |
| 140 | 47.91 | -0.072 |
| 23 | 47.88 | 0.000 |
| Median | 47.88 | 0.000 |
| 61 | 47.75 | 0.312 |
| 14 | 47.55 | 0.805 |
| 14 | 47.52 | 0.877 |
| 24 | 47.49 | 0.949 |
| Std Dev | 47.46 | 1.000 |
| 24 | 47.42 | 1.118 |
| 048.30 Water Soluble Phosphate | | |
| Lab | Alka. Quimociac | |
| 111 | 47.48 | 0.000 |
| Median | 47.48 | 0.000 |
| 048.99 Water Soluble Phosphate | | |
| Lab | Other | |
| 9 | 48.29 | -1.340 |
| Std Dev | 48.23 | -1.000 |
| Median | 48.05 | 0.000 |
| Std Dev | 47.88 | 1.000 |
| 34 | 47.82 | 1.340 |
| 048.XX Water Soluble Phosphate | | |
| Lab | Total Method | |
| 23 | 48.32 | -1.112 |
| 9 | 48.29 | -1.029 |
| Std Dev | 48.27 | -1.000 |
| 31 | 48.19 | -0.793 |
| 79 | 48.09 | -0.568 |
| 61 | 48.09 | -0.556 |
| 140 | 47.91 | -0.142 |
| 23 | 47.88 | -0.071 |
| Median | 47.85 | 0.000 |
| 34 | 47.82 | 0.071 |

| | | |
|---|--|--------|
| 61 | 47.75 | 0.237 |
| 14 | 47.55 | 0.722 |
| 14 | 47.52 | 0.793 |
| 24 | 47.49 | 0.864 |
| 111 | 47.48 | 0.876 |
| Std Dev | 47.43 | 1.000 |
| 24 | 47.42 | 1.029 |
| 050.50 %K ₂ O Soluble Potash | | |
| Lab | ICP(Oxalate) | |
| 23 | 0.12 | 0.000 |
| 23 | 0.12 | 0.000 |
| Median | 0.12 | 0.000 |
| 050.60 Soluble Potash | | |
| Lab | %K ₂ O Flame Photometric(Oxalate) | |
| 241 | 0.16 | 0.000 |
| Median | 0.16 | 0.000 |
| 050.99 Soluble Potash | | |
| Lab | %K ₂ O Other | |
| 61 | 0.13 | -0.365 |
| 61 | 0.13 | -0.365 |
| 102 | 0.12 | 0.000 |
| Median | 0.12 | 0.000 |
| 24 | 0.11 | 0.975 |
| 24 | 0.11 | 0.975 |
| 050.XX Soluble Potash | | |
| Lab | %K ₂ O Total Method | |
| 241 | 0.16 | -4.044 |
| Std Dev | 0.13 | -1.000 |
| 61 | 0.13 | -0.828 |
| 61 | 0.13 | -0.828 |
| 102 | 0.12 | -0.244 |
| Median | 0.12 | 0.000 |
| 23 | 0.12 | 0.244 |
| 23 | 0.12 | 0.244 |
| Std Dev | 0.11 | 1.000 |
| 24 | 0.11 | 1.316 |
| 24 | 0.11 | 1.316 |
| 060.00 Free Water | | |
| Lab | Vacuum Oven | |

| | | |
|-------------------|------------------|--------|
| 24 | 1.47 | -1.261 |
| 31 | 1.45 | -1.081 |
| Std Dev | 1.44 | -1.000 |
| 24 | 1.43 | -0.901 |
| 23 | 1.40 | -0.676 |
| 79 | 1.38 | -0.450 |
| 9 | 1.36 | -0.315 |
| Median | 1.33 | 0.000 |
| 23 | 1.29 | 0.315 |
| 34 | 1.29 | 0.315 |
| 14 | 1.27 | 0.541 |
| 14 | 1.24 | 0.811 |
| Std Dev | 1.21 | 1.000 |
| 111 | 1.21 | 1.036 |
| 140 | 1.20 | 1.171 |
| 060.10 Free Water | | |
| Lab | Vacuum Desiccate | |
| 61 | 1.27 | -2.144 |
| Std Dev | 1.25 | -1.000 |
| 61 | 1.23 | 0.000 |
| Median | 1.23 | 0.000 |
| 237 | 1.22 | 0.536 |
| 060.XX Free Water | | |
| Lab | Total Method | |
| 24 | 1.47 | -1.513 |
| 31 | 1.45 | -1.340 |
| 24 | 1.43 | -1.167 |
| Std Dev | 1.41 | -1.000 |
| 23 | 1.40 | -0.951 |
| 79 | 1.38 | -0.735 |
| 9 | 1.36 | -0.605 |
| 23 | 1.29 | 0.000 |
| 34 | 1.29 | 0.000 |
| Median | 1.29 | 0.000 |
| 61 | 1.27 | 0.173 |
| 14 | 1.27 | 0.216 |
| 14 | 1.24 | 0.475 |
| 61 | 1.23 | 0.519 |
| 237 | 1.22 | 0.605 |
| 111 | 1.21 | 0.692 |
| 140 | 1.20 | 0.821 |

| | | |
|-----------------------------|------|-------------------|
| 101.00 Acid Soluble Calcium | | |
| Lab | %CaO | Atomic Absorption |
| 241 | 0.65 | 0.000 |
| Median | 0.65 | 0.000 |
| 101.30 Acid Soluble Calcium | | |
| Lab | %CaO | ICP |
| 14 | 0.73 | -2.443 |
| 14 | 0.72 | -2.024 |
| Std Dev | 0.68 | -1.000 |
| 34 | 0.67 | -0.768 |
| 23 | 0.66 | -0.489 |
| 39 | 0.66 | -0.405 |
| 24 | 0.65 | -0.209 |
| 23 | 0.65 | -0.070 |
| Median | 0.64 | 0.000 |
| 31 | 0.64 | 0.070 |
| 61 | 0.62 | 0.628 |
| 61 | 0.62 | 0.768 |
| 237 | 0.61 | 0.907 |
| Std Dev | 0.61 | 1.000 |
| 102 | 0.60 | 1.213 |
| 9 | 0.60 | 1.326 |
| 24 | 0.57 | 2.024 |
| 101.XX Acid Soluble Calcium | | |
| Lab | %CaO | Total Method |
| 14 | 0.73 | -2.476 |
| 14 | 0.72 | -2.039 |
| Std Dev | 0.68 | -1.000 |
| 34 | 0.67 | -0.728 |
| 23 | 0.66 | -0.437 |
| 39 | 0.66 | -0.350 |
| 24 | 0.65 | -0.146 |
| 241 | 0.65 | -0.146 |
| 23 | 0.65 | 0.000 |
| Median | 0.65 | 0.000 |
| 31 | 0.64 | 0.146 |
| 61 | 0.62 | 0.728 |
| 61 | 0.62 | 0.874 |
| Std Dev | 0.61 | 1.000 |
| 237 | 0.61 | 1.020 |
| 102 | 0.60 | 1.339 |
| 9 | 0.60 | 1.457 |

24 0.57 2.185

| 121.00 Acid Soluble Magnesium | | |
|-------------------------------|-------------|-------------------|
| Lab | %MgO | Atomic Absorption |
| 241 | 1.22 | 0.000 |
| Median | 1.22 | 0.000 |

| 121.30 Acid Soluble Magnesium | | |
|-------------------------------|-------------|---------------|
| Lab | %MgO | ICP |
| 23 | 1.23 | -1.143 |
| Std Dev | 1.22 | -1.000 |

| | | |
|----------------|-------------|--------------|
| 9 | 1.22 | -0.881 |
| 23 | 1.21 | -0.620 |
| 24 | 1.21 | -0.620 |
| 34 | 1.20 | -0.358 |
| 14 | 1.19 | -0.097 |
| 39 | 1.19 | -0.097 |
| Median | 1.19 | 0.000 |
| 102 | 1.18 | 0.097 |
| 14 | 1.18 | 0.165 |
| 31 | 1.16 | 0.688 |
| 61 | 1.16 | 0.818 |
| 61 | 1.15 | 0.949 |
| Std Dev | 1.15 | 1.000 |
| 24 | 1.15 | 1.080 |
| 237 | 1.11 | 1.995 |

| 121.XX Acid Soluble Magnesium | | |
|-------------------------------|-------------|---------------|
| Lab | %MgO | Total Method |
| 23 | 1.23 | -1.021 |
| Std Dev | 1.23 | -1.000 |

| | | |
|----------------|-------------|--------------|
| 9 | 1.22 | -0.766 |
| 241 | 1.22 | -0.766 |
| 23 | 1.21 | -0.510 |
| 24 | 1.21 | -0.510 |
| 34 | 1.20 | -0.255 |
| 14 | 1.19 | 0.000 |
| 39 | 1.19 | 0.000 |
| Median | 1.19 | 0.000 |
| 102 | 1.18 | 0.189 |
| 14 | 1.18 | 0.255 |
| 31 | 1.16 | 0.766 |
| 61 | 1.16 | 0.893 |
| Std Dev | 1.15 | 1.000 |

61 1.15 1.021
24 1.15 1.149
237 1.11 2.042

| 144..01 Sulfate Sulfur (S) | | |
|----------------------------|-------------|---------------|
| Lab | | Gravimetric |
| 61 | 1.44 | -2.522 |
| Std Dev | 1.39 | -1.000 |

| | | |
|---------------|-------------|--------------|
| 61 | 1.36 | 0.000 |
| Median | 1.36 | 0.000 |
| 241 | 1.35 | 0.158 |

| 144.70 Sulfur | | |
|----------------|-------------|---------------|
| Lab | | Spectrometric |
| 14 | 1.42 | -1.340 |
| Std Dev | 1.42 | -1.000 |

| | | |
|----------------|-------------|--------------|
| 61 | 1.42 | 0.000 |
| Std Dev | 1.42 | 1.000 |
| 14 | 1.42 | 1.340 |

| 144.99 Sulfate Sulfur (S) | | |
|---------------------------|-------------|--------------|
| Lab | | Other |
| 23 | 1.43 | -0.975 |
| 23 | 1.43 | -0.975 |
| 24 | 1.42 | -0.487 |
| Median | 1.42 | 0.000 |

| | | |
|----------------|-------------|--------------|
| 24 | 1.41 | 0.487 |
| 34 | 1.41 | 0.487 |
| Std Dev | 1.40 | 1.000 |
| 31 | 1.32 | 9.258 |

| 144.XX Sulfate Sulfur (S) | | |
|---------------------------|-------------|--------------|
| Lab | | Total Method |
| 61 | 1.44 | -0.670 |
| 23 | 1.43 | -0.335 |
| 23 | 1.43 | -0.335 |
| 14 | 1.42 | -0.167 |
| 24 | 1.42 | -0.167 |
| 14 | 1.42 | 0.000 |
| Median | 1.42 | 0.000 |

| | | |
|----------------|-------------|--------------|
| 24 | 1.41 | 0.168 |
| 34 | 1.41 | 0.168 |
| Std Dev | 1.39 | 1.000 |
| 61 | 1.36 | 2.010 |

241 1.35 2.178
31 1.32 3.183

| 145.99 Total Sulfur (S) | | |
|-------------------------|-------------|---------------|
| Lab | | Other |
| 111 | 1.66 | -2.482 |
| Std Dev | 1.45 | -1.000 |

| | | |
|---------------|-------------|--------------|
| 102 | 1.36 | -0.401 |
| Median | 1.30 | 0.000 |
| 63 | 1.25 | 0.401 |
| 63 | 1.24 | 0.471 |

| 145.XX Total Sulfur (S) | | |
|-------------------------|-------------|---------------|
| Lab | | Total Method |
| 111 | 1.66 | -2.482 |
| Std Dev | 1.45 | -1.000 |

| | | |
|---------------|-------------|--------------|
| 102 | 1.36 | -0.401 |
| Median | 1.30 | 0.000 |
| 63 | 1.25 | 0.401 |
| 63 | 1.24 | 0.471 |

| 151.30 Total Arsenic | | |
|----------------------|--------------|---------------|
| Lab | | ICP |
| 64 | 20.20 | -2.033 |
| Std Dev | 19.08 | -1.000 |

| | | |
|---------------|--------------|--------------|
| 24 | 18.00 | 0.000 |
| Median | 18.00 | 0.000 |
| 102 | 17.30 | 0.647 |

| 151.XX Total Arsenic | | |
|----------------------|--------------|---------------|
| Lab | | Total Method |
| 64 | 20.20 | -2.033 |
| Std Dev | 19.08 | -1.000 |

| | | |
|---------------|--------------|--------------|
| 24 | 18.00 | 0.000 |
| Median | 18.00 | 0.000 |
| 102 | 17.30 | 0.647 |

| 165.99 Acid Soluble Boron | | |
|---------------------------|--------------|---------------|
| Lab | PPM | Other |
| 102 | 39.75 | -1.340 |
| Std Dev | 38.75 | -1.000 |

| | | |
|----------------|--------------|--------------|
| Median | 35.83 | 0.000 |
| Std Dev | 32.90 | 1.000 |
| 24 | 31.90 | 1.340 |

| 165.XX, ppm Acid Soluble Boron | | |
|--------------------------------|--------------|---------------|
| Lab | PPM | Total Method |
| 102 | 39.75 | -1.340 |
| Std Dev | 38.75 | -1.000 |
| Median | 35.83 | 0.000 |
| Std Dev | 32.90 | 1.000 |
| 24 | 31.90 | 1.340 |

| 181.30 Total Cadmium | | |
|----------------------|---------------|--------------|
| Lab | PPM | ICP |
| 61 | 147.00 | -0.486 |
| 64 | 145.21 | -0.237 |
| 61 | 144.50 | -0.139 |
| Median | 143.50 | 0.000 |

| | | |
|----------------|---------------|--------------|
| 237 | 142.50 | 0.139 |
| Std Dev | 136.29 | 1.000 |
| 102 | 133.00 | 1.457 |
| 64 | 27.74 | 16.062 |

| 181.99 Total Cadmium | | |
|----------------------|---------------|--------------|
| Lab | | Other |
| 24 | 151.00 | 0.000 |
| Median | 151.00 | 0.000 |

| 181.XX Total Cadmium | | |
|----------------------|---------------|---------------|
| Lab | PPM | Total Method |
| 24 | 151.00 | -1.042 |
| Std Dev | 150.74 | -1.000 |

| | | |
|---------------|---------------|--------------|
| 61 | 147.00 | -0.401 |
| 64 | 145.21 | -0.114 |
| 61 | 144.50 | 0.000 |
| Median | 144.50 | 0.000 |

| | | |
|----------------|---------------|--------------|
| 237 | 142.50 | 0.321 |
| Std Dev | 138.26 | 1.000 |
| 102 | 133.00 | 1.844 |
| 64 | 27.74 | 18.726 |

| 190.00 Aluminum | | |
|-----------------|---------------------------------|---------------|
| Lab | %Al ₂ O ₃ | ICP |
| 14 | 1.74 | -3.484 |
| 14 | 1.74 | -3.350 |
| 34 | 1.66 | -1.340 |
| Std Dev | 1.65 | -1.000 |

| | | |
|----------------|-------------|--------------|
| 23 | 1.64 | -0.670 |
| 23 | 1.62 | -0.268 |
| 24 | 1.61 | 0.000 |
| Median | 1.61 | 0.000 |
| 102 | 1.60 | 0.198 |
| 24 | 1.60 | 0.268 |
| 61 | 1.60 | 0.402 |
| 61 | 1.58 | 0.804 |
| Std Dev | 1.57 | 1.000 |
| 237 | 1.56 | 1.474 |

| 190.99 Aluminum | | |
|-----------------|---------------------------------|-------------------|
| Lab | %Al ₂ O ₃ | Atomic Absorption |
| 31 | 1.68 | -1.340 |
| Std Dev | 1.67 | -1.000 |
| Median | 1.66 | 0.000 |
| Std Dev | 1.64 | 1.000 |
| 241 | 1.63 | 1.340 |

| 190.XX Aluminum | | |
|-----------------|---------------------------------|---------------|
| Lab | %Al ₂ O ₃ | Total Method |
| 14 | 1.74 | -2.680 |
| 14 | 1.74 | -2.568 |
| 31 | 1.68 | -1.340 |
| Std Dev | 1.66 | -1.000 |
| 34 | 1.66 | -0.893 |
| 23 | 1.64 | -0.335 |
| 241 | 1.63 | -0.223 |
| 23 | 1.62 | 0.000 |
| Median | 1.62 | 0.000 |
| 24 | 1.61 | 0.223 |
| 102 | 1.60 | 0.389 |
| 24 | 1.60 | 0.447 |
| 61 | 1.60 | 0.558 |
| 61 | 1.58 | 0.893 |
| Std Dev | 1.58 | 1.000 |
| 237 | 1.56 | 1.452 |

| 191.30 Total Chromium | | |
|-----------------------|---------------|---------------|
| Lab | PPM | ICP |
| 31 | 567.00 | -2.229 |
| Std Dev | 539.15 | -1.000 |
| 64 | 530.21 | -0.605 |
| 237 | 519.50 | -0.132 |

| | | |
|----------------|---------------|--------------|
| 61 | 516.50 | 0.000 |
| Median | 516.50 | 0.000 |
| 61 | 508.00 | 0.375 |
| Std Dev | 493.85 | 1.000 |
| 102 | 481.00 | 1.567 |
| 64 | 243.96 | 12.032 |

| 191.99 Total Chromium | | |
|-----------------------|---------------|--------------|
| Lab | PPM | Other |
| 24 | 507.00 | 0.000 |
| Median | 507.00 | 0.000 |

| 191.XX Total Chromium | | |
|-----------------------|---------------|---------------|
| Lab | PPM | Total Method |
| 31 | 567.00 | -3.385 |
| 64 | 530.21 | -1.110 |
| Std Dev | 528.43 | -1.000 |
| 237 | 519.50 | -0.448 |
| 61 | 516.50 | -0.263 |
| Median | 512.25 | 0.000 |
| 61 | 508.00 | 0.263 |
| 24 | 507.00 | 0.325 |
| Std Dev | 496.07 | 1.000 |
| 102 | 481.00 | 1.932 |
| 64 | 243.96 | 16.585 |

| 202.30 Acid Soluble Cobalt | | |
|----------------------------|-------------|---------------|
| Lab | PPM | ICP |
| 64 | 5.38 | -184.250 |
| Std Dev | 4.01 | -1.000 |
| 61 | 4.00 | 0.000 |
| 61 | 4.00 | 0.000 |
| Median | 4.00 | 0.000 |
| Std Dev | 3.99 | 1.000 |
| 102 | 3.99 | 1.340 |
| 237 | 3.30 | 93.800 |

| 202.99 Acid Soluble Cobalt | | |
|----------------------------|-------------|--------------|
| Lab | PPM | Other |
| 24 | 4.16 | 0.000 |
| Median | 4.16 | 0.000 |

| 202.XX Acid Soluble Cobalt | | |
|----------------------------|-----|--------------|
| Lab | PPM | Total Method |

| | | |
|----------------|-------------|---------------|
| 64 | 5.38 | -14.451 |
| 24 | 4.16 | -1.682 |
| Std Dev | 4.10 | -1.000 |
| 61 | 4.00 | 0.000 |
| 61 | 4.00 | 0.000 |
| Median | 4.00 | 0.000 |
| 102 | 3.99 | 0.105 |
| Std Dev | 3.90 | 1.000 |
| 237 | 3.30 | 7.357 |

| 221.00 Acid Soluble Copper | | |
|----------------------------|-------------|-------------------|
| Lab | PPM | Atomic Absorption |
| 241 | 1.15 | 0.000 |
| Median | 1.15 | 0.000 |

| 221.30 Acid Soluble Copper | | |
|----------------------------|--------------|--------------|
| Lab | PPM | ICP |
| 61 | 85.00 | -0.506 |
| 61 | 84.50 | -0.413 |
| Median | 82.28 | 0.000 |
| 102 | 80.05 | 0.413 |
| Std Dev | 76.89 | 1.000 |
| 237 | 69.50 | 2.373 |

| 221.99 Acid Soluble Copper | | |
|----------------------------|--------------|--------------|
| Lab | PPM | Other |
| 24 | 77.70 | 0.000 |
| Median | 77.70 | 0.000 |

| 221.XX Acid Soluble Copper | | |
|----------------------------|--------------|--------------|
| Lab | PPM | Total Method |
| 61 | 85.00 | -0.975 |
| 61 | 84.50 | -0.877 |
| 102 | 80.05 | 0.000 |
| Median | 80.05 | 0.000 |
| 24 | 77.70 | 0.463 |
| Std Dev | 74.98 | 1.000 |
| 237 | 69.50 | 2.079 |

| 241.30 Acid Soluble Iron | | |
|--------------------------|---------------------------------|--------|
| Lab | %Fe ₂ O ₃ | ICP |
| 34 | 1.22 | -0.731 |
| 39 | 1.22 | -0.609 |
| 14 | 1.21 | -0.487 |

| | | |
|----------------|-------------|--------------|
| 14 | 1.20 | -0.244 |
| 23 | 1.20 | -0.122 |
| 31 | 1.20 | -0.122 |
| 24 | 1.19 | 0.000 |
| Median | 1.19 | 0.000 |
| 23 | 1.18 | 0.244 |
| Std Dev | 1.15 | 1.000 |
| 61 | 1.15 | 1.096 |
| 61 | 1.15 | 1.096 |
| 24 | 1.14 | 1.218 |
| 237 | 1.10 | 2.193 |
| 102 | 1.06 | 3.138 |

| 241.XX Acid Soluble Iron | | |
|--------------------------|---------------------------------|--------------|
| Lab | %Fe ₂ O ₃ | Total Method |
| 34 | 1.22 | -0.873 |
| 39 | 1.22 | -0.748 |
| 14 | 1.21 | -0.623 |
| 14 | 1.20 | -0.374 |
| 23 | 1.20 | -0.249 |
| 31 | 1.20 | -0.249 |
| 24 | 1.19 | -0.125 |
| Median | 1.19 | 0.000 |
| 23 | 1.18 | 0.125 |
| 241 | 1.15 | 0.873 |
| 61 | 1.15 | 0.997 |
| 61 | 1.15 | 0.997 |
| Std Dev | 1.14 | 1.000 |
| 24 | 1.14 | 1.122 |
| 237 | 1.10 | 2.119 |
| 102 | 1.06 | 3.086 |

| 251.30 Total Lead | | |
|-------------------|-------------|---------------|
| Lab | PPM | ICP |
| 237 | 8.05 | -3.727 |
| Std Dev | 4.57 | -1.000 |
| 102 | 3.60 | -0.233 |
| Median | 3.30 | 0.000 |
| 61 | 3.00 | 0.233 |
| 61 | 3.00 | 0.233 |

| 251.99 Total Lead | | |
|-------------------|------|-------|
| Lab | PPM | Other |
| 24 | 2.05 | 0.000 |

| | | |
|--------|------|-------|
| Median | 2.05 | 0.000 |
|--------|------|-------|

| 251.XX | Total Lead | |
|--------|------------|--------------|
| Lab | PPM | Total Method |

| | | |
|---------|------|---------|
| 237 | 8.05 | -11.373 |
| 102 | 3.60 | -1.340 |
| Std Dev | 3.44 | -1.000 |
| 61 | 3.00 | 0.000 |
| 61 | 3.00 | 0.000 |
| Median | 3.00 | 0.000 |
| Std Dev | 2.56 | 1.000 |
| 24 | 2.05 | 2.139 |

| 261.30 | Acid Soluble Manganese | |
|--------|------------------------|--|
| Lab | ICP | |

| | | |
|---------|--------|--------|
| 31 | 181.50 | -2.339 |
| Std Dev | 174.63 | -1.000 |
| 237 | 171.00 | -0.292 |
| Median | 169.50 | 0.000 |
| 39 | 168.00 | 0.292 |
| Std Dev | 164.37 | 1.000 |
| 102 | 163.00 | 1.267 |

| 261.99 | Acid Soluble Manganese | |
|--------|------------------------|-------|
| Lab | PPM | Other |

| | | |
|---------|--------|--------|
| 61 | 177.00 | -0.574 |
| 61 | 175.50 | 0.000 |
| Median | 175.50 | 0.000 |
| Std Dev | 172.89 | 1.000 |
| 24 | 170.00 | 2.106 |

| 261.XX | Acid Soluble Manganese | |
|--------|------------------------|--------------|
| Lab | PPM | Total Method |

| | | |
|---------|--------|--------|
| 31 | 181.50 | -1.941 |
| 61 | 177.00 | -1.109 |
| Std Dev | 176.41 | -1.000 |
| 61 | 175.50 | -0.832 |
| 237 | 171.00 | 0.000 |
| Median | 171.00 | 0.000 |
| 24 | 170.00 | 0.185 |
| 39 | 168.00 | 0.554 |
| Std Dev | 165.59 | 1.000 |
| 102 | 163.00 | 1.479 |

| 281.30 | Total Mercury | |
|--------|---------------|-----|
| Lab | PPM | ICP |

| | | |
|--------|-------|-------|
| 24 | <0.07 | 0.000 |
| Median | 0.00 | 0.000 |

| 281.99 | Total Mercury | |
|--------|---------------|-------|
| Lab | PPM | Other |

| | | |
|--------|------|-------|
| 102 | <0.4 | 0.000 |
| Median | 0.00 | 0.000 |

| 281.XX | Total Mercury | |
|--------|---------------|--------------|
| Lab | PPM | Total Method |

| | | |
|--------|-------|-------|
| 102 | <0.4 | 0.000 |
| 24 | <0.07 | 0.000 |
| Median | 0.00 | 0.000 |

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

| | | |
|---------|-------|--------|
| 102 | 14.45 | -1.565 |
| Std Dev | 13.93 | -1.000 |

| 289.99 | Total Molybdenum | |
|--------|------------------|-------|
| Lab | PPM | Other |

| | | |
|--------|-------|-------|
| 24 | 14.40 | 0.000 |
| Median | 14.40 | 0.000 |

| 289.XX | Total Molybdenum | |
|--------|------------------|--------------|
| Lab | PPM | Total Method |

| | | |
|---------|-------|--------|
| 102 | 14.45 | -1.272 |
| 24 | 14.40 | -1.228 |
| 64 | 14.16 | -1.013 |
| Std Dev | 14.14 | -1.000 |
| 61 | 13.00 | 0.000 |
| 61 | 13.00 | 0.000 |
| Median | 13.00 | 0.000 |
| 237 | 12.50 | 0.439 |
| Std Dev | 11.86 | 1.000 |
| 64 | 5.30 | 6.755 |

| 291.30 | Total Nickel | |
|--------|--------------|-----|
| Lab | PPM | ICP |

| | | |
|---------|--------|--------|
| 64 | 246.80 | -1.066 |
| Std Dev | 246.21 | -1.000 |
| 61 | 239.00 | -0.195 |
| 61 | 238.00 | -0.084 |

| Median | 237.25 | 0.000 |
|--------|--------|-------|
|--------|--------|-------|

| | | |
|---------|--------|--------|
| 237 | 236.50 | 0.084 |
| Std Dev | 228.29 | 1.000 |
| 102 | 223.50 | 1.535 |
| 64 | 24.85 | 23.718 |

| 291.99 | Total Nickel | |
|--------|--------------|-------|
| Lab | PPM | Other |

| | | |
|--------|--------|-------|
| 24 | 231.00 | 0.000 |
| Median | 231.00 | 0.000 |

| 291.XX | Total Nickel | |
|--------|--------------|--------------|
| Lab | PPM | Total Method |

| | | |
|---------|--------|--------|
| 64 | 246.80 | -1.227 |
| Std Dev | 244.90 | -1.000 |
| 61 | 239.00 | -0.298 |
| 61 | 238.00 | -0.179 |
| 237 | 236.50 | 0.000 |
| Median | 236.50 | 0.000 |
| 24 | 231.00 | 0.655 |
| Std Dev | 228.10 | 1.000 |
| 102 | 223.50 | 1.548 |
| 64 | 24.85 | 25.210 |

| 301.30 | Total Selenium | |
|--------|----------------|-----|
| Lab | PPM | ICP |

| | | |
|--------|-------|-------|
| 24 | <0.50 | 0.000 |
| 102 | 1.65 | 0.000 |
| Median | 1.65 | 0.000 |

| 301.XX | Total Selenium | |
|--------|----------------|--------------|
| Lab | PPM | Total Method |

| | | |
|--------|-------|-------|
| 24 | <0.50 | 0.000 |
| 102 | 1.65 | 0.000 |
| Median | 1.65 | 0.000 |

| 311.00 | Sodium | |
|--------|--------------------|-------------------|
| Lab | %Na ₂ O | Atomic Absorbtion |

| | | |
|---------|------|--------|
| 241 | 0.15 | -1.340 |
| Std Dev | 0.15 | -1.000 |
| Median | 0.15 | 0.000 |
| Std Dev | 0.15 | 1.000 |
| 61 | 0.15 | 1.340 |

| 311.99 | Sodium | |
|--------|--------------------|-------|
| Lab | %Na ₂ O | Other |

| | | |
|---------|------|--------|
| 24 | 0.17 | -1.608 |
| Std Dev | 0.16 | -1.000 |
| 24 | 0.16 | -0.893 |
| 23 | 0.16 | -0.536 |
| Median | 0.15 | 0.000 |
| 23 | 0.14 | 0.536 |
| 61 | 0.14 | 0.536 |
| Std Dev | 0.13 | 1.000 |
| 102 | 0.11 | 2.533 |

| 311.XX | Sodium | |
|--------|--------------------|--------------|
| Lab | %Na ₂ O | Total Method |

| | | |
|---------|------|--------|
| 24 | 0.17 | -1.855 |
| 24 | 0.16 | -1.031 |
| Std Dev | 0.16 | -1.000 |
| 23 | 0.16 | -0.618 |
| 241 | 0.15 | -0.206 |
| Median | 0.15 | 0.000 |
| 61 | 0.15 | 0.206 |
| 23 | 0.14 | 0.618 |
| 61 | 0.14 | 0.618 |
| Std Dev | 0.14 | 1.000 |
| 102 | 0.11 | 2.923 |

| 321.30 | Acid Soluble Zinc | |
|--------|-------------------|-----|
| Lab | PPM | ICP |

| | | |
|---------|---------|--------|
| 64 | 1673.00 | -1.679 |
| Std Dev | 1639.44 | -1.000 |
| 237 | 1619.00 | -0.587 |
| 24 | 1597.00 | -0.142 |
| 39 | 1590.00 | 0.000 |
| 61 | 1590.00 | 0.000 |
| Median | 1590.00 | 0.000 |
| 61 | 1555.00 | 0.708 |
| Std Dev | 1540.56 | 1.000 |
| 102 | 1480.00 | 2.225 |
| 64 | 478.18 | 22.488 |

| 321.XX | Acid Soluble Zinc | |
|--------|-------------------|--------------|
| Lab | PPM | Total Method |

| | | |
|---------|---------|--------|
| 64 | 1673.00 | -1.679 |
| Std Dev | 1639.44 | -1.000 |

| | | | | | |
|---------|---------|--------|-----|------|-------|
| 237 | 1619.00 | -0.587 | 102 | 1.19 | 1.953 |
| 24 | 1597.00 | -0.142 | 14 | 0.17 | 9.725 |
| 39 | 1590.00 | 0.000 | 14 | 0.17 | 9.725 |
| 61 | 1590.00 | 0.000 | | | |
| Median | 1590.00 | 0.000 | | | |
| 61 | 1555.00 | 0.708 | | | |
| Std Dev | 1540.56 | 1.000 | | | |
| 102 | 1480.00 | 2.225 | | | |
| 64 | 478.18 | 22.488 | | | |

| 325.10 | | Fluoride |
|--------|------|-----------|
| Lab | % | Electrode |
| 23 | 1.53 | -0.662 |
| 23 | 1.50 | -0.482 |
| 24 | 1.48 | -0.361 |
| 24 | 1.47 | -0.301 |
| 31 | 1.44 | -0.120 |
| 34 | 1.42 | 0.000 |
| Median | 1.42 | 0.000 |
| 237 | 1.36 | 0.391 |
| 111 | 1.32 | 0.602 |
| 102 | 1.19 | 1.415 |
| 14 | 0.17 | 7.528 |
| 14 | 0.17 | 7.528 |

| 325.99 | | Fluoride |
|--------|------|----------|
| Lab | % | Other |
| 61 | 1.53 | -1.340 |
| Median | 1.51 | 0.000 |
| 61 | 1.50 | 1.340 |

| 325.XX | | Fluoride |
|--------|------|--------------|
| Lab | % | Total Method |
| 23 | 1.53 | -0.689 |
| 61 | 1.53 | -0.689 |
| 23 | 1.50 | -0.459 |
| 61 | 1.50 | -0.421 |
| 24 | 1.48 | -0.306 |
| 24 | 1.47 | -0.230 |
| 31 | 1.44 | 0.000 |
| Median | 1.44 | 0.000 |
| 34 | 1.42 | 0.153 |
| 237 | 1.36 | 0.651 |
| 111 | 1.32 | 0.919 |