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Jewett White

(11070033)

491415



MERCURY QA/QC CHECKLIST

Page 1 of 2Project Name: Jewette White Project #: 11070033Date of Sample Prep 9/27/11 Date of Sample Analysis 9/27/11

Preparer(s) F. Xu Analyst(s) F. Xu

(Circle) MATRIX: 1. Aqueous (2) Solid 3. Sludge 4. Oil 5. Other _____

(Circle) PREPARATION: (1) EPA-SOP-C-110 (rev. # 2.2) 2. Other - (see special comments)

ANALYSIS: EPA-SOP-C-110 (rev. # 2.2) Instrument: Cetac (Serial #: 019709MAS)

1. Calibration

- Minimum of 5 standards + blank?
- Correlation coefficient $r \geq 0.995$?
- ICV run immediately after last cal. std., & within 10% of T.V.?
- ICB < the Reporting Limit?
- Low check (0.20 ppb) std run after ICB, and at the end of the run.
- Low check (0.20 ppb) std within 30% (0.14 ppb to 0.26 ppb) of T.V.?
- CCV/CCB run every 10 samples or less, at end of run?
- CCVs within 20% of T.V.?
- CCBs < the Reporting Limit?

| | | | |
|-----|-------------------------------------|----|-------|
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ |

2. Accuracy and Precision

AQUEOUS

- Prep. Blank < the Reporting Limit?
- LCS % recovery within acceptance limits of 80 - 120%?
- LCS RPD within $\pm 20\%$?
- Sample spike (MS) recovery within 80 - 120%?

| | | | | | |
|-----|-------|----|-------|-----|-------------------------------------|
| YES | _____ | NO | _____ | N/A | <input checked="" type="checkbox"/> |
| YES | _____ | NO | _____ | N/A | <input checked="" type="checkbox"/> |
| YES | _____ | NO | _____ | N/A | <input checked="" type="checkbox"/> |
| YES | _____ | NO | _____ | N/A | <input checked="" type="checkbox"/> |

SOLID

- Prep. Blank < the Reporting Limit?
- LCS % recovery within acceptance limits?
- LCS RPD within $\pm 25\%$?
- Sample spike (MS) recovery within 75 - 125%?

| | | | | | |
|-----|-------------------------------------|----|-------------------------------------|-----|-------|
| YES | <input checked="" type="checkbox"/> | NO | _____ | N/A | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ | N/A | _____ |
| YES | <input checked="" type="checkbox"/> | NO | _____ | N/A | _____ |
| YES | _____ | NO | <input checked="" type="checkbox"/> | N/A | _____ |

3. Samples analyzed within 28 days of collection date?

| | | | | | |
|-----|-------------------------------------|----|-------|-----|-------|
| YES | <input checked="" type="checkbox"/> | NO | _____ | N/A | _____ |
|-----|-------------------------------------|----|-------|-----|-------|

4. Documentation

- Raw data included and complete?

| | | | | | |
|-----|-------------------------------------|----|-------|-----|-------|
| YES | <input checked="" type="checkbox"/> | NO | _____ | N/A | _____ |
|-----|-------------------------------------|----|-------|-----|-------|

5. Any QA/QC qualifiers? If YES (explain on next page)

| | | | |
|-----|-------|----|-------------------------------------|
| YES | _____ | NO | <input checked="" type="checkbox"/> |
|-----|-------|----|-------------------------------------|

Completed By: Date: 10/5/11Peer Review: Date: 10/11/11

QUALIFIERS and SPECIAL COMMENTS

Page 2 of 2

Project Name: Jewett White Lead

Project # 11070033

Five (5) soil samples (AN03693, AN03657, AN03666, AN03675 & AN03684) were analyzed for mercury by CVAAS on 09/27/2011.

AN03693 was used as the Matrix Spike (MS) sample.

The recovery for the MS sample (AN03693MS) is low. However, the concentration of mercury in the original sample (AN03693) is greater than the concentration of spike. So the qualifier "L" is not applicable.

All other QA/QC criteria passed so no qualifier is necessary.

HG ANALYSIS

FILENAME: HG092711 (DATA FILE: 11092700.DB)

PAGE 1 OF 1

PROJECT NAME(S) (NUMBER) : Jewette White(10070033)

SAMPLE ANALYSIS DATE: 09/27/11

ANALYST(S): F.Xu

SAMPLE PREPARATION DATE: 09/27/11

PREP CHEMIST(S): F.Xu

NUMBER OF SAMPLES AND MATRIX: 5 SDs

| SAMPLE ID | CONC. PPB | % SOLIDS | SOLIDS ALIQUOT g | AQUEOUS ALIQUOT mL | FINAL VOLUME mL | SOLIDS CONV. FACTOR | DILUTION FACTOR | REPORTED VALUE & QUALIFIER | UNITS | |
|-------------------|--------------|----------|------------------------|--------------------------|-----------------------|---------------------------|--------------------|----------------------------------|-------|-----------------------------------|
| Calibration Zero | 0.0 | | | 25 | 25 | | | | | |
| Standard #1 | 0.2 | | | 25 | 25 | | | | | |
| Standard #2 | 0.5 | | | 25 | 25 | | | | | |
| Standard #3 | 0.7 | | | 25 | 25 | | | | | |
| Standard #4 | 1.0 | | | 25 | 25 | | | | | |
| Standard #5 | 3.0 | | | 25 | 25 | | | | | |
| Standard #6 | 5.0 | | | 25 | 25 | | | | | |
| ICV | 0.96282 | | | 25 | 25 | | | | | %Recov. = 96 |
| ICB | 0.02038 | | | 25 | 25 | | | | | |
| LOW CHECK | 0.196 | | | 25 | 25 | | 1 | | | %Recov. = 98.0 |
| PBS B12P46 | 0.03761 | 100 | 0.10 | | 25 | 0.25 | 1 | 0.050 U | mg/Kg | |
| LCSS-1X20 B12P46 | 2.77192 | 100 | 0.10 | | 25 | 0.25 | 20 | 13.86 | mg/Kg | AVG= 13.92 |
| LCSS-2 X20 B12P46 | 2.79618 | 100 | 0.10 | | 25 | 0.25 | 20 | 13.98 | mg/Kg | RPD= 0.87 |
| AN03693 | 9.06699 | 45.22 | 0.39 | | 25 | 0.14 | 1 | * | mg/Kg | * See re-analysis at 10X dilution |
| AN03693 MS | 9.06218 | 45.22 | 0.46 | | 25 | 0.12 | 1 | 1.089 | mg/Kg | %Recov. = -0.5 |
| AN03657 | 9.06317 | 42.75 | 0.30 | | 25 | 0.19 | 1 | * | mg/Kg | * See re-analysis at 10X dilution |
| AN03666 | 0.06636 | 75.41 | 0.41 | | 25 | 0.08 | 1 | 0.016 U | mg/Kg | |
| AN03675 | 8.81733 | 74.11 | 0.50 | | 25 | 0.07 | 1 | * | mg/Kg | * See re-analysis at 10X dilution |
| CCV-1 | 0.9737 | | | 25 | 25 | | | | | %Recov. = 97.4 |
| CCB-1 | 0.01503 | | | 25 | 25 | | | | | |
| AN03684 | 9.04353 | 37.84 | 0.27 | | 25 | 0.24 | 1 | * | mg/Kg | * See re-analysis at 10X dilution |
| AN03657 X10 | 2.63499 | 42.75 | 0.30 | | 25 | 0.19 | 10 | 5.136 ✓ | mg/Kg | |
| AN03666 | 0.06769 | 75.41 | 0.41 | | 25 | 0.08 | 1 | 0.016 U | mg/Kg | |
| AN03675 X10 | 0.91642 | 74.11 | 0.50 | | 25 | 0.07 | 10 | 0.618 | mg/Kg | |
| AN03684 X10 | 1.85235 | 37.84 | 0.27 | | 25 | 0.24 | 10 | 4.533 ✓ | mg/Kg | |
| AN03693 X10 | 2.89087 | 45.22 | 0.39 | | 25 | 0.14 | 10 | 4.098 ✓ | mg/Kg | |
| CCV-2 | 0.97664 | | | 25 | 25 | | | | | %Recov. = 97.7 |
| CCB-2 | 0.0086 | | | 25 | 25 | | | | | |
| LOW CHECK | 0.21083 | | | 25 | 25 | | 1 | | | %Recov. = 105.4 |

END

Analyst
Date Started
Worksheet
Comment

Tuesday, September 27, 2011, 10:48:03
EPAESAT

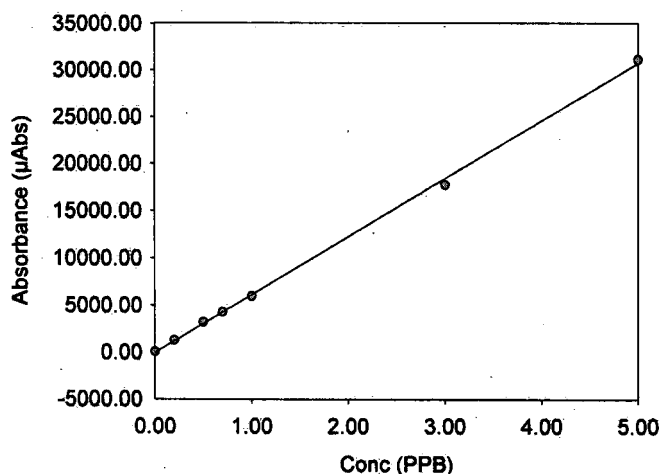
* All concentrations are dilution corrected.

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|------------|--------------------|------------|------|----------------|-------------------------|-------|
| Std Tube 6 | 27-Sep-2011, 10:48 | 5.00 | 0.12 | 29100.00 | 29166 29154 29114 29090 | |

Information about this calibration could not be retrieved from the Master File.

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|------------------|--------------------|------------|------|----------------|-------------------------|-------|
| Calibration Zero | 27-Sep-2011, 10:50 | 0.00 | 7.96 | 60.40 | 60 55 60 67 | |
| Standard #1 | 27-Sep-2011, 10:52 | 0.20 | 0.16 | 1270.00 | 1273 1273 1275 1278 | |
| Standard #2 | 27-Sep-2011, 10:54 | 0.50 | 0.25 | 3220.00 | 3205 3225 3215 3218 | |
| Standard #3 | 27-Sep-2011, 10:56 | 0.70 | 0.30 | 4290.00 | 4282 4273 4301 4296 | |
| Standard #4 | 27-Sep-2011, 10:58 | 1.00 | 0.30 | 5970.00 | 5946 5956 5972 5987 | |
| Standard #5 | 27-Sep-2011, 11:01 | 3.00 | 0.38 | 17800.00 | 17691 17730 17793 17845 | |
| Standard #6 | 27-Sep-2011, 11:03 | 5.00 | 0.22 | 31200.00 | 31082 31139 31178 31247 | |

Calibration Data



Int.
Slope

-49.269
6161.076

Correlation

0.99955

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|-------------------|--------------------|------------|-------|----------------|-------------------------|-------|
| ICV | 27-Sep-2011, 11:05 | 0.96 | 1.31 | 5880.00 | 5997 5861 5843 5830 | |
| ICB | 27-Sep-2011, 11:07 | 0.02 | 13.00 | 76.30 | 56 71 88 91 | |
| LOW CHECK | 27-Sep-2011, 11:10 | 0.20 | 0.53 | 1160.00 | 1157 1167 1158 1151 | |
| PBS B12P46 | 27-Sep-2011, 11:12 | 0.04 | 3.68 | 182.00 | 186 184 190 170 | |
| LCSS-1X20 B12P46 | 27-Sep-2011, 11:14 | 2.77 | 0.18 | 17000.00 | 17015 16999 17029 17072 | |
| LCSS-2 X20 B12P46 | 27-Sep-2011, 11:16 | 2.80 | 0.26 | 17200.00 | 17122 17168 17197 17226 | |
| AN03693 | 27-Sep-2011, 11:18 | Sat'd. | 0.00 | 55800.00 | 55813 55813 55813 55813 | SO |
| AN03693 MS | 27-Sep-2011, 11:21 | Sat'd. | 0.00 | 55800.00 | 55784 55784 55784 55784 | SO |
| AN03657 | 27-Sep-2011, 11:25 | Sat'd. | 0.00 | 55800.00 | 55790 55790 55790 55790 | SO |
| AN03666 | 27-Sep-2011, 11:34 | 0.07 | 2.32 | 360.00 | 367 367 347 357 | |
| AN03675 | 27-Sep-2011, 11:36 | 8.82 | 0.15 | 54300.00 | 54164 54271 54356 54309 | O |

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|-----------|--------------------|------------|------|----------------|---------------------|-------|
| CCV-1 | 27-Sep-2011, 11:39 | 0.97 | 0.45 | 5950.00 | 5912 5949 5962 5975 | |

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|-----------|--------------------|------------|------|----------------|-------------|-------|
| CCB-1 | 27-Sep-2011, 11:41 | 0.02 | 1.49 | 43.40 | 44 43 41 45 | |

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|-------------|--------------------|------------|------|----------------|-------------------------|-------|
| AN03684 | 27-Sep-2011, 11:43 | Sat'd. | 0.00 | 55700.00 | 55669 55669 55669 55669 | SO |
| AN03657 X10 | 27-Sep-2011, 11:46 | 2.63 | 0.14 | 16200.00 | 16170 16206 16203 16161 | |
| AN03666 X10 | 27-Sep-2011, 11:48 | 0.07 | 2.53 | 368.00 | 362 369 382 358 | |
| AN03675 X10 | 27-Sep-2011, 11:50 | 0.92 | 0.24 | 5600.00 | 5608 5594 5579 5607 | |
| AN03684 X10 | 27-Sep-2011, 11:52 | 1.85 | 0.21 | 11400.00 | 11329 11382 11376 11366 | |
| AN03693 X10 | 27-Sep-2011, 11:54 | 2.89 | 0.06 | 17800.00 | 17750 17757 17768 17772 | |

AN03666
2x 9/27/11

Analyst
Date Started Tuesday, September 27, 2011, 11:57:00
Worksheet EPAESAT
Comment

* All concentrations are dilution corrected.

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|-----------|--------------------|------------|------|----------------|---------------------|-------|
| CCV-2 | 27-Sep-2011, 11:57 | 0.98 | 0.30 | 5970.00 | 5942 5971 5978 5980 | |

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|-----------|--------------------|------------|-------|----------------|----------|-------|
| CCB-2 | 27-Sep-2011, 11:59 | 0.01 | 14.30 | 3.73 | 9 5 8 -7 | |

| Sample ID | Analysis Time | Conc (PPB) | %RSD | Avg. μ Abs | Readings | Flags |
|-----------|--------------------|------------|------|----------------|---------------------|-------|
| LOW CHECK | 27-Sep-2011, 12:01 | 0.21 | 0.47 | 1250.00 | 1249 1252 1242 1256 | |

PROJECT NAME & NUMBER: Jewette White (11070033)
NUMBER OF SAMPLES & MATRIX: 5 soils
ANALYST: F. Xu.

Balance#: 32Page #: 120Oven#: D-62

Method: CLP SOW; 5.00-10.00g sample dried at 103-105 degC for 12-24 hours.

Note: Before starting the % Solids determination, an aliquot should be taken as follows:

(PLEASE CIRCLE HOW ALIQUOT WAS OBTAINED)

A. For Organic analyses, except VOA, decant any standing water.

B. For other analyses: mix the sample thoroughly.

Name of Survey(s): Jewett White lead

Project Number: 11070033

Date placed in oven at 103-105degC: 9/25/2011 Time: 3:45 AM PMDate removed from oven at 103-105degC: 9/26/2011 Time: 8:01 AM PM

| SAMPLE ID | WT OF DISH (grams) | WT OF DISH + WET/AIR- DRIED SAMPLE (grams) | WT OF DISH + DRIED SAMPLE (grams) | PERCENT SOLIDS | PERCENT MOISTURE | CHECK IF AIR- DRIED |
|-------------|-----------------------|---|--|-------------------|---------------------|------------------------------|
| | -A- | -B- | -C- | | | |
| AN03675 | 1.1720 | 10.9615 | 8.4267 | 74.11% | 25.89% | |
| AN03675Dup* | 1.1823 | 11.1599 | 8.6680 | 75.03% | 24.97% | |
| AN03677 | 1.1700 | 9.6458 | 5.3560 | 49.39% | 50.61% | |
| AN03678 | 1.1734 | 10.0112 | 5.7832 | 52.16% | 47.84% | |
| AN03679 | 1.1799 | 10.3599 | 5.7679 | 49.98% | 50.02% | |
| AN03680 | 1.1711 | 9.0273 | 5.0623 | 49.53% | 50.47% | |
| AN03681 | 1.1760 | 8.9258 | 4.9242 | 48.37% | 51.63% | |
| AN03682 | 1.1849 | 10.6832 | 5.7387 | 47.94% | 52.06% | |
| AN03683 | 1.1745 | 9.2339 | 4.9804 | 47.22% | 52.78% | |
| AN03684 | 1.1838 | 10.5067 | 4.7120 | 37.84% | 62.16% | |
| AN03685 | 1.1791 | 9.7356 | 4.9402 | 43.96% | 56.04% | |
| AN03686 | 1.1721 | 9.9436 | 5.0627 | 44.36% | 55.64% | |
| AN03687 | 1.1778 | 10.1584 | 5.1697 | 44.45% | 55.55% | |
| AN03688 | 1.1793 | 8.7604 | 4.4739 | 43.46% | 56.54% | |
| AN03689 | 1.1821 | 10.8057 | 5.5489 | 45.38% | 54.62% | |
| AN03690 | 1.1774 | 9.4328 | 4.9356 | 45.52% | 54.48% | |
| AN03691 | 1.1846 | 9.7719 | 5.0080 | 44.52% | 55.48% | |
| AN03692 | 1.1774 | 10.2722 | 5.5841 | 48.45% | 51.55% | |
| AN03693 | 1.1712 | 9.3047 | 4.8493 | 45.22% | 54.78% | |
| AN03694 | 1.1757 | 9.0029 | 5.0060 | 48.94% | 51.06% | |
| | | | | #VALUE! | #VALUE! | |
| | | | Av % Solids | Av % Moisture | RPD % Solids | RPD % Moisture |
| | | | | | RPD<20% | RPD<20% |
| | | | 74.57% | 25.43% | 1.23% | 3.61% |

*Duplicate Must Be From First Sample Entered on the List for Correct RPD

PERCENT = C - A (*100)
SOLIDS B - APERCENT = B - C (*100)
MOISTURE B - AAnalyst R. R. CTDValidated By/Date: F. Xu 9/26/11

Balance#: 33Page #: 119Oven#: D-92

Method: CLP SOW; 5.00-10.00g sample dried at 103-105 degC for 12-24 hours.

Note: Before starting the % Solids determination, an aliquot should be taken as follows:

(PLEASE CIRCLE HOW ALIQUOT WAS OBTAINED)

(A) For Organic analyses, except VOA,: decant any standing water.

(B) For other analyses: mix the sample thoroughly.

Name of Survey(s): Jewett White lead

Project Number: 11070033

Date placed in oven at 103-105degC: 9/25/2011 Time: 3:15 AM (PM)

Date removed from oven at 103-105degC: 9/26/2011 Time: 8:00 AM (PM)

| SAMPLE ID | WT OF DISH (grams) | WT OF DISH + WET/AIR- DRIED SAMPLE (grams) | WT OF DISH + DRIED SAMPLE (grams) | PERCENT SOLIDS | PERCENT MOISTURE | CHECK IF AIR- DRIED |
|-------------|-----------------------|---|--|-------------------|---------------------|------------------------------|
| | -A- | -B- | -C- | | | |
| AN03657 | 1.1744 | 8.9972 | 4.5190 | 42.75% | 57.25% | |
| AN03657Dup* | 1.1727 | 9.6692 | 5.0455 | 45.58% | 54.42% | |
| AN03658 | 1.1858 | 9.0646 | 4.6159 | 43.54% | 56.46% | |
| AN03659 | 1.1763 | 10.6380 | 5.4240 | 44.89% | 55.11% | |
| AN03660 | 1.1766 | 9.7253 | 5.1448 | 46.42% | 53.58% | |
| AN03661 | 1.1770 | 9.3746 | 5.0327 | 47.03% | 52.97% | |
| AN03662 | 1.1829 | 9.3522 | 5.1825 | 48.96% | 51.04% | |
| AN03663 | 1.1859 | 10.7565 | 6.2749 | 53.17% | 46.83% | |
| AN03664 | 1.1837 | 8.1728 | 4.8729 | 52.79% | 47.21% | |
| AN03665 | 1.1718 | 9.9436 | 6.6107 | 62.00% | 38.00% | |
| AN03666 | 1.1761 | 10.0593 | 7.8746 | 75.41% | 24.59% | |
| AN03667 | 1.1709 | 9.1012 | 6.9243 | 72.55% | 27.45% | |
| AN03668 | 1.1767 | 10.9187 | 7.7805 | 67.79% | 32.21% | |
| AN03669 | 1.1797 | 9.1417 | 6.1064 | 61.88% | 38.12% | |
| AN03670 | 1.1751 | 9.1800 | 6.7689 | 69.88% | 30.12% | |
| AN03671 | 1.1829 | 10.3402 | 8.9889 | 85.24% | 14.76% | |
| AN03672 | 1.1765 | 10.9058 | 8.6635 | 76.95% | 23.05% | |
| AN03673 | 1.1717 | 10.6303 | 9.1627 | 84.48% | 15.52% | |
| AN03674 | 1.1682 | 9.6041 | 7.2497 | 72.09% | 27.91% | |
| AN03676 | 1.1809 | 9.6681 | 6.9305 | 67.74% | 32.26% | |
| | | | | #DIV/0! | #DIV/0! | |
| | | | Av % Solids | Av % Moisture | RPD % Solids | RPD % Moisture |
| | | | | | RPD<20% | RPD<20% |
| | | | 44.17% | 55.83% | 6.40% | 5.06% |

*Duplicate Must Be From First Sample Entered on the List for Correct RPD

PERCENT = C - A (*100)
SOLIDS B - APERCENT = B - C (*100)
MOISTURE B - AAnalyst: R. R. R.Validated By/Date: F. X. 9/26/11



A Waters Company

Certificate of Analysis

Lot No. D069-540

Certification

| Parameter | Total Concentration ¹ (mg/kg) | Certified Value ² (mg/kg) | Uncertainty ³ | QC PALs™ ⁴ (mg/kg) | PT PALs™ ⁵ (mg/kg) |
|------------|--|--|--------------------------|-------------------------------------|-------------------------------------|
| aluminum | 48500* | 9780 | 4.3% | 3810 - 15700 | 4340 - 15200 |
| antimony | 259 | 121 | 6.1% | DL - 265 | 25.9 - 304 |
| arsenic | 121 | 109 | 16.5% | 90.7 - 128 | 76.2 - 143 |
| barium | 793 | 325 | 6.2% | 270 - 380 | 241 - 409 |
| beryllium | 98.8 | 92.1 | 4.3% | 77.1 - 107 | 68.6 - 116 |
| boron | 171 | 142 | 24.3% | 90.7 - 193 | 90.4 - 194 |
| cadmium | 123 | 110 | 12.9% | 88.8 - 131 | 80.6 - 139 |
| calcium | 11400* | 6700 | 13.2% | 5250 - 8150 | 4960 - 8410 |
| chromium | 159 | 93.4 | 5.1% | 75.3 - 112 | 64.7 - 122 |
| cobalt | 143 | 133 | 15.7% | 108 - 158 | 98.8 - 167 |
| copper | 93.7 | 74.7 | 5.0% | 62.6 - 86.8 | 55.0 - 94.5 |
| iron | 29800* | 13100 | 4.9% | 6620 - 19500 | 4250 - 21900 |
| lead | 180 | 152 | 18.3% | 120 - 184 | 112 - 192 |
| magnesium | 4870 | 2980 | 4.0% | 2070 - 3880 | 1960 - 3990 |
| manganese | 705 | 443 | 13.3% | 340 - 546 | 340 - 548 |
| mercury | 17.9 | 16.3 | 23.6% | 11.6 - 21.0 | 8.37 - 24.2 |
| molybdenum | 101 | 82.5 | 20.0% | 59.2 - 108 | 57.0 - 114 |
| nickel | 129 | 109 | 13.1% | 88.5 - 129 | 78.8 - 138 |
| potassium | 18800* | 2770 | 2.2% | 1810 - 3730 | 1710 - 3820 |
| selenium | 230 | 207 | 7.6% | 164 - 249 | 142 - 272 |
| silver | 56.7 | 51.9 | 1.7% | 34.4 - 69.4 | 34.5 - 69.2 |
| sodium | 10000* | 724 | 14.1% | 513 - 936 | 410 - 1040 |
| strontium | 251 | 111 | 17.6% | 84.7 - 136 | 77.8 - 143 |
| thallium | 192 | 171 | 8.6% | 133 - 208 | 117 - 224 |
| tin | 151 | 135 | 1.6% | 107 - 163 | 79.7 - 190 |
| titanium | 2340* | 193 | 11.2% | 56.9 - 330 | 0.00 - 398 |
| vanadium | 152 | 110 | 5.8% | 84.5 - 136 | 73.7 - 146 |
| zinc | 330 | 299 | 9.6% | 245 - 352 | 214 - 383 |

Please see footnotes on back

DL - Detection Limit

Metals in Soil

Catalog No. 540

Issue Date: August 23, 2010

Revision Date: Original



A Waters Company

1. The **Total Concentrations** are equal to the background concentrations in the soil matrix (measured using neutron activation, XRF, and total digestion techniques) plus the amount of each analyte spiked onto the soil. For Trace Metals, the values listed are only "theoretical values" based upon the methodologies listed.
2. The **Certified Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study based on all applicable digestion techniques reported in the study. The certified values are based on an "as received" basis, assuming 100% solids content.
3. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA using a 3050 digestion procedure followed by ICP and/or ICP-MS analysis for the metals and a BrCl leach followed by CVAA analysis for Hg, multiplied by a coverage factor which is equal to the Student t factor at a 95% confidence interval at n-1 degrees of freedom.
4. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The **QC PALs™** reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the **QC PALs™** to realistically evaluate your performance against your peers.
5. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the **PT PALs™** when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.
6. This standard expires 1/2014. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com.

Certifying Officer: Tom Widera

* These parameters are native matrix elements and are present at high concentrations in the unspiked soil. As methods 3050 and 3051 do not normally dissolve elements bound in silicate structures, the recoveries of these elements will be low relative to the recoveries of the elements that are primarily spiked onto the soil.

NOTE: For laboratories that use internal standards in their analysis procedures, the following elements have been measured in this standard at the listed concentrations. (Note: these concentrations are for informational use only and do not represent "Certified Values". Ce - 46.2 mg/Kg; La - 25.6 mg/Kg; Y - 8.54 mg/Kg.)

MANUAL CALCULATION :

MERCURY (solids)

GENERAL FORMULA :

$$\text{SOLID SAMPLE : MG/KG (dry weight)} = \frac{\text{ug/L} \times \text{D.F} \times \text{V}}{\text{W} \times \% \text{TS}/100}$$

where:

ug/L = Instrument reading (ave. of three replicates)

D.F = DILUTION FACTOR

V = FINAL VOLUME OF DIGESTATE, Liter

= 0.025 L

W = WEIGHT OF SAMPLE , gram(s)

= _____ g

% TS = PERCENT TOTAL SOLIDS

note # 1: D.F = 1 (when no dilution)

note # 2: MG/KG = ug / g

Example calculation on sample # AN 03693 with (% TS = 45.22)

Dilution Factor = 10

using the above equation : (for solid samples)

Analyte: Hg

$$\text{MG/KG} = \frac{2.8909 \times 10 \times 0.025}{0.39 \times 45.22/100}$$

(ug / g)

$$= \frac{0.7227}{0.176358} = 4.098.$$

MG/KG =
(ug / g)

4.1

(ROUNDED VALUE FOR LIMS)

DATA PACKAGE CHECKLIST (ICP AND HG)

PROJECT NAME: Jewett White Lead and PROJECT NUMBER: 11070033

NUMBER OF SAMPLES & MATRIX TYPE: Folder # 2 (20 AG + 38 SOILS)

Analysis for Hg ✓ Number of run(s) 1

Analysis for ICP ✓ Number of run(s) 3

1) TDF Evaluation Form N/A* Cover Letter N/A* and TDF(s) N/A* ^{See Folder # 1}

Program Manager: Signed and Dated ✓

2) DEPT. (METE) REPORT DATA from LIMS *

Peer Reviewer: Signed and Dated _____

3) Hg QA/QC Checklist plus special comments ✓ Excel Worksheet ✓

Raw Data ✓ Percent Solids Form ✓ LCS Solid Certificate ✓
and Manual Calculation ✓

Peer Reviewer: Hg QA/QC checklist signed and dated _____

4) ICP RLs ✓ Qualifier codes ✓ Percent Solids Form ✓

LCS Solid Certificate ✓ LDR Form ✓ and Manual Calculation ✓

5) ICP QA/QC checklist plus special comments ✓ QA/QC Forms (Macros) ✓

and RAW DATA with a) Cover Page ✓, b) Command Lists ✓, c) Vertical Summary ✓

Peer Reviewer: ICP QA/QC checklist signed and dated _____

6) Hg Prep Logs (CALs /QCs /Samples) ✓ and

Weighing Balance # (included on front page) ✓

7) Hg Analysis Log (analytical sequence) _____

8) Reference IDs (Promium#) for:

a) CAL Stds. ✓ b) QC Stds. ✓ and following reagents such as:

c) KMnO₄ ✓ d) K₂S₂O₈ ✓ e) NH₂OH.HCl ✓ f) SnCl₂.2H₂O ✓

8) ICP Prep Logs ✓ and Weighing Balance # (included on front page) ✓

9) ICP Analysis Log(s) ✓ including (Promium#) CAL and QC STD. ID's ✓

10) Chain of Custody: Internal ✓ External ✓ and Analytical Request Form(s) (ARF) *

11) LIMS Reviewer: Validated Data for a) Hg ✓ and b) ICP Metals ✓

Reporting Limits (RLs) - ICAP 6300 Duo

| ANALYTE | RL AQUEOUS ug/L | RL SOIL mg/Kg |
|----------------------|-----------------------|---------------------|
| Silver (Ag3280) | 5 | 0.5 |
| Aluminum (Al3961 A) | 100 | 10 |
| Aluminum (Al3961 R) | 100 | 10 |
| Arsenic (As1890) | 8 | 0.8 |
| Barium (Ba4554 R) | 100 | 10 |
| Beryllium (Be3131 R) | 3 | 0.3 |
| Calcium (Ca3179 R) | 500 | 50 |
| Cadmium (Cd2265) | 3 | 0.3 |
| Cobalt (Co2286) | 20 | 2 |
| Chromium (Cr2677) | 5 | 0.5 |
| Copper (Cu3247) | 10 | 1 |
| Iron (Fe2599 A) | 50 | 5 |
| Iron (Fe2599 R) | 50 | 5 |
| Potassium (K_7664 R) | 500 | 50 |
| Magnesium (Mg2790 R) | 500 | 50 |
| Manganese (Mn2576) | 5 | 0.5 |
| Sodium (Na5895 R) | 1,000 | 100 |
| Nickel (Ni2316) | 20 | 2 |
| Lead (Pb2203) | 8 | 0.8 |
| Antimony (Sb2068) | 20 | 2 |
| Selenium (Se1960) | 20 | 2 |
| Thallium (Tl1908) | 20 | 2 |
| Vanadium (V_2924) | 20 | 2 |
| Zinc (Zn2062) | 20 | 2 |
| Molybdenum (Mo2020) | 10 | 1 |
| Titanium (Ti3372) | 10 | 1 |

LIMS QUALIFIER CODES

| Qualifier Codes | Definition |
|-----------------|---|
| J | Estimated value |
| K | Reported value is biased high, i.e., the actual value is expected to be lower than the reported value. |
| L | Reported value is biased low, i.e., the actual value is expected to be greater than the reported value. |
| U | Not Detected (i.e., below RL) |
| UJ | Analyte concentration below estimated RL. |

Balance#:

33

Oven#:

D-92

Page #:

119

Method: CLP SOW; 5.00-10.00g sample dried at 103-105 degC for 12-24 hours.

Note: Before starting the % Solids determination, an aliquot should be taken as follows:

(PLEASE CIRCLE HOW ALIQUOT WAS OBTAINED)

(A) For Organic analyses, except VOA.: decant any standing water.

(B) For other analyses: mix the sample thoroughly.

Name of Survey(s):

Jewett White lead

Project Number:

11070033

Date placed in oven at 103-105degC:

9/25/2011

Time:

3:15

AM/PM

Date removed from oven at 103-105degC:

9/26/2011

Time:

8:00

AM/PM

| SAMPLE ID | WT OF DISH (grams) | WT OF DISH + WET/AIR- DRIED SAMPLE (grams) | WT OF DISH + DRIED SAMPLE (grams) | PERCENT SOLIDS | PERCENT MOISTURE | CHECK IF AIR- DRIED |
|-------------|-----------------------|---|--|-------------------|---------------------|------------------------------|
| | -A- | -B- | -C- | | | |
| AN03657 | 1.1744 | 8.9972 | 4.5190 | 42.75% | 57.25% | |
| AN03657Dup* | 1.1727 | 9.6692 | 5.0455 | 45.58% | 54.42% | |
| AN03658 | 1.1858 | 9.0646 | 4.6159 | 43.54% | 56.46% | |
| AN03659 | 1.1763 | 10.6380 | 5.4240 | 44.89% | 55.11% | |
| AN03660 | 1.1766 | 9.7253 | 5.1448 | 46.42% | 53.58% | |
| AN03661 | 1.1770 | 9.3746 | 5.0327 | 47.03% | 52.97% | |
| AN03662 | 1.1829 | 9.3522 | 5.1825 | 48.96% | 51.04% | |
| AN03663 | 1.1859 | 10.7565 | 6.2749 | 53.17% | 46.83% | |
| AN03664 | 1.1837 | 8.1728 | 4.8729 | 52.79% | 47.21% | |
| AN03665 | 1.1718 | 9.9436 | 6.6107 | 62.00% | 38.00% | |
| AN03666 | 1.1761 | 10.0593 | 7.8746 | 75.41% | 24.59% | |
| AN03667 | 1.1709 | 9.1012 | 6.9243 | 72.55% | 27.45% | |
| AN03668 | 1.1767 | 10.9187 | 7.7805 | 67.79% | 32.21% | |
| AN03669 | 1.1797 | 9.1417 | 6.1064 | 61.88% | 38.12% | |
| AN03670 | 1.1751 | 9.1800 | 6.7689 | 69.88% | 30.12% | |
| AN03671 | 1.1829 | 10.3402 | 8.9889 | 85.24% | 14.76% | |
| AN03672 | 1.1765 | 10.9058 | 8.6635 | 76.95% | 23.05% | |
| AN03673 | 1.1717 | 10.6303 | 9.1627 | 84.48% | 15.52% | |
| AN03674 | 1.1682 | 9.6041 | 7.2497 | 72.09% | 27.91% | |
| AN03676 | 1.1809 | 9.6681 | 6.9305 | 67.74% | 32.26% | |
| | | | | #DIV/0! | #DIV/0! | |
| | | | Av % Solids | Av % Moisture | RPD % Solids | RPD % Moisture |
| | | | | | RPD<20% | RPD<20% |
| | | | 44.17% | 55.83% | 6.40% | 5.06% |

*Duplicate Must Be From First Sample Entered on the List for Correct RPD

 PERCENT = C - A (*100)
 SOLIDS B - A

 PERCENT = B - C (*100)
 MOISTURE B - A

Analyst

R. R. R.

Validated By/Date:

F. Xu 9/26/11

Balance#: 32Page #: 120Oven#: D-92

Method: CLP SOW; 5.00-10.00g sample dried at 103-105 degC for 12-24 hours.

Note: Before starting the % Solids determination, an aliquot should be taken as follows:

(PLEASE CIRCLE HOW ALIQUOT WAS OBTAINED)

A. For Organic analyses, except VOA.; decant any standing water.

B. For other analyses: mix the sample thoroughly.

Name of Survey(s): Jewett White lead

Project Number: 11070033

Date placed in oven at 103-105degC: 9/25/2011 Time: 3:45 AM/PM

Date removed from oven at 103-105degC: 9/26/2011 Time: 8:01 AM/PM

| SAMPLE ID | WT OF DISH (grams) | WT OF DISH + WET/AIR- DRIED SAMPLE (grams) | WT OF DISH + DRIED SAMPLE (grams) | PERCENT SOLIDS | PERCENT MOISTURE | CHECK IF AIR- DRIED |
|-------------|-----------------------|---|--|-------------------|---------------------|------------------------------|
| | -A- | -B- | -C- | | | |
| AN03675 | 1.1720 | 10.9615 | 8.4267 | 74.11% | 25.89% | |
| AN03675Dup* | 1.1823 | 11.1599 | 8.6680 | 75.03% | 24.97% | |
| AN03677 | 1.1700 | 9.6458 | 5.3560 | 49.39% | 50.61% | |
| AN03678 | 1.1734 | 10.0112 | 5.7832 | 52.16% | 47.84% | |
| AN03679 | 1.1799 | 10.3599 | 5.7679 | 49.98% | 50.02% | |
| AN03680 | 1.1711 | 9.0273 | 5.0623 | 49.53% | 50.47% | |
| AN03681 | 1.1760 | 8.9258 | 4.9242 | 48.37% | 51.63% | |
| AN03682 | 1.1849 | 10.6832 | 5.7387 | 47.94% | 52.06% | |
| AN03683 | 1.1745 | 9.2339 | 4.9804 | 47.22% | 52.78% | |
| AN03684 | 1.1838 | 10.5067 | 4.7120 | 37.84% | 62.16% | |
| AN03685 | 1.1791 | 9.7356 | 4.9402 | 43.96% | 56.04% | |
| AN03686 | 1.1721 | 9.9436 | 5.0627 | 44.36% | 55.64% | |
| AN03687 | 1.1778 | 10.1584 | 5.1697 | 44.45% | 55.55% | |
| AN03688 | 1.1793 | 8.7604 | 4.4739 | 43.46% | 56.54% | |
| AN03689 | 1.1821 | 10.8057 | 5.5489 | 45.38% | 54.62% | |
| AN03690 | 1.1774 | 9.4328 | 4.9356 | 45.52% | 54.48% | |
| AN03691 | 1.1846 | 9.7719 | 5.0080 | 44.52% | 55.48% | |
| AN03692 | 1.1774 | 10.2722 | 5.5841 | 48.45% | 51.55% | |
| AN03693 | 1.1712 | 9.3047 | 4.8493 | 45.22% | 54.78% | |
| AN03694 | 1.1757 | 9.0029 | 5.0060 | 48.94% | 51.06% | |
| | | | | #VALUE! | #VALUE! | |
| | | | Av % Solids | Av % Moisture | RPD % Solids | RPD % Moisture |
| | | | | | RPD<20% | RPD<20% |
| | | | 74.57% | 25.43% | 1.23% | 3.61% |

*Duplicate Must Be From First Sample Entered on the List for Correct RPD

| | | | | | |
|-----------|-------|--------|-----------|-------|--------|
| PERCENT = | C - A | (*100) | PERCENT = | B - C | (*100) |
| SOLIDS | B - A | | MOISTURE | B - A | |

Analyst: R. R. VitoValidated By/Date: F. Xu 9/26/17



A Waters Company

Certificate of Analysis

Lot No. D069-540

Certification

| Parameter | Total Concentration ¹ (mg/kg) | Certified Value ² (mg/kg) | Uncertainty ³ | QC PALs™ ⁴ (mg/kg) | PT PALs™ ⁵ (mg/kg) |
|------------|--|--|--------------------------|-------------------------------------|-------------------------------------|
| aluminum | 48500* | 9780 | 4.3% | 3810 - 15700 | 4340 - 15200 |
| antimony | 259 | 121 | 6.1% | DL - 265 | 25.9 - 304 |
| arsenic | 121 | 109 | 16.5% | 90.7 - 128 | 76.2 - 143 |
| barium | 793 | 325 | 6.2% | 270 - 380 | 241 - 409 |
| beryllium | 98.8 | 92.1 | 4.3% | 77.1 - 107 | 68.6 - 116 |
| boron | 171 | 142 | 24.3% | 90.7 - 193 | 90.4 - 194 |
| cadmium | 123 | 110 | 12.9% | 88.8 - 131 | 80.6 - 139 |
| calcium | 11400* | 6700 | 13.2% | 5250 - 8150 | 4960 - 8410 |
| chromium | 159 | 93.4 | 5.1% | 75.3 - 112 | 64.7 - 122 |
| cobalt | 143 | 133 | 15.7% | 108 - 158 | 98.8 - 167 |
| copper | 93.7 | 74.7 | 5.0% | 62.6 - 86.8 | 55.0 - 94.5 |
| iron | 29800* | 13100 | 4.9% | 6620 - 19500 | 4250 - 21900 |
| lead | 180 | 152 | 18.3% | 120 - 184 | 112 - 192 |
| magnesium | 4870 | 2980 | 4.0% | 2070 - 3880 | 1960 - 3990 |
| manganese | 705 | 443 | 13.3% | 340 - 546 | 340 - 548 |
| mercury | 17.9 | 16.3 | 23.6% | 11.6 - 21.0 | 8.37 - 24.2 |
| molybdenum | 101 | 82.5 | 20.0% | 59.2 - 106 | 57.0 - 114 |
| nickel | 129 | 109 | 13.1% | 88.5 - 129 | 78.8 - 138 |
| potassium | 18800* | 2770 | 2.2% | 1810 - 3730 | 1710 - 3820 |
| selenium | 230 | 207 | 7.6% | 164 - 249 | 142 - 272 |
| silver | 56.7 | 51.9 | 1.7% | 34.4 - 69.4 | 34.5 - 69.2 |
| sodium | 10000* | 724 | 14.1% | 513 - 936 | 410 - 1040 |
| strontium | 251 | 111 | 17.6% | 84.7 - 136 | 77.8 - 143 |
| thallium | 192 | 171 | 8.6% | 133 - 208 | 117 - 224 |
| tin | 151 | 135 | 1.6% | 107 - 163 | 79.7 - 190 |
| titanium | 2340* | 193 | 11.2% | 56.9 - 330 | 0.00 - 398 |
| vanadium | 152 | 110 | 5.8% | 84.5 - 136 | 73.7 - 146 |
| zinc | 330 | 299 | 9.6% | 245 - 352 | 214 - 383 |

Please see footnotes on back

DL - Detection Limit

Metals in Soil

Catalog No. 540

Issue Date: August 23, 2010

Revision Date: Original



A Waters Company

1. The **Total Concentrations** are equal to the background concentrations in the soil matrix (measured using neutron activation, XRF, and total digestion techniques) plus the amount of each analyte spiked onto the soil. For Trace Metals, the values listed are only "theoretical values" based upon the methodologies listed.
 2. The **Certified Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study based on all applicable digestion techniques reported in the study. The certified values are based on an "as received" basis, assuming 100% solids content.
 3. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA using a 3050 digestion procedure followed by ICP and/or ICP-MS analysis for the metals and a BrCl leach followed by CVAA analysis for Hg, multiplied by a coverage factor which is equal to the Student t factor at a 95% confidence interval at n-1 degrees of freedom.
 4. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.
 5. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.
 6. This standard expires 1/2014. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.
- If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com.

Certifying Officer: Tom Widera

* These parameters are native matrix elements and are present at high concentrations in the unspiked soil. As methods 3050 and 3051 do not normally dissolve elements bound in silicate structures, the recoveries of these elements will be low relative to the recoveries of the elements that are primarily spiked onto the soil.

NOTE: For laboratories that use internal standards in their analysis procedures, the following elements have been measured in this standard at the listed concentrations. (Note: these concentrations are for informational use only and do not represent "Certified Values". Ce - 48.2 mg/Kg; La - 25.6 mg/Kg; Y - 8.54 mg/Kg.)

Linear Dynamic Range (LDR) - ICAP 6300 Duo

(Effective Date: 02/2011)

| ANALYTE (NON-SALTS) | ug/L | ppm |
|------------------------|---------|-----|
| Silver (Ag3280) | 5,000 | 5 |
| Arsenic (As1890) | 100,000 | 100 |
| Barium (Ba4554 R) | 95,000 | 95 |
| Beryllium (Be3131 R) | 75,000 | 75 |
| Cadmium (Cd2265) | 75,000 | 75 |
| Cobalt (Co2286) | 100,000 | 100 |
| Chromium (Cr2677) | 110,000 | 110 |
| Copper (Cu3247) | 50,000 | 50 |
| Manganese (Mn2576) | 35,000 | 35 |
| Nickel (Ni2316) | 95,000 | 95 |
| Lead (Pb2203) | 75,000 | 75 |
| Antimony (Sb2068) | 80,000 | 80 |
| Selenium (Se1960) | 95,000 | 95 |
| Thallium (Tl1908) | 100,000 | 100 |
| Vanadium (V_2924) | 100,000 | 100 |
| Zinc (Zn2062) | 80,000 | 80 |
| Molybdenum (Mo2020) | 110,000 | 110 |
| Titanium (Ti3372) | 40,000 | 40 |

| ANALYTE (SALTS) | ug/L | ppm |
|----------------------|-----------|------|
| Aluminum (Al3961 A) | 72,500 | 72.5 |
| Aluminum (Al3961 R) | 900,000 | 900 |
| Calcium (Ca3179 R) | 1,000,000 | 1000 |
| Iron (Fe2599 A) | 85,000 | 85 |
| Iron (Fe2599 R) | 500,000 | 500 |
| Potassium (K_7664 R) | 600,000 | 600 |
| Magnesium (Mg2790 R) | 1,000,000 | 1000 |
| Sodium (Na5895 R) | 750,000 | 750 |

| ADDITIONAL ANALYTES | ug/L | ppm |
|---------------------|---------|-----|
| Boron (B_2089) | 100,000 | 100 |
| Silicon (Si2881 A) | 300,000 | 300 |
| Silicon (Si2881 R) | 550,000 | 550 |
| Strontium (Sr3464) | 100,000 | 100 |
| Tin (Sn1899) | 100,000 | 100 |

MANUAL CALCULATION PER ANALYTE:

ICP METALS (solids)

GENERAL FORMULA :

$$\text{SOLID SAMPLE : MG/KG (dry weight)} = \frac{\text{ug/L} \times \text{D.F} \times \text{V}}{\text{W} \times \% \text{TS}/100}$$

where:

D.F = DILUTION FACTOR

V = FINAL VOLUME OF DIGESTATE, Liter
= 0.050 L

W = WEIGHT OF SAMPLE , grams
= 0.79 g

% TS = PERCENT TOTAL SOLIDS

note # 1: D.F = 1 (when no dilution)

note # 2: MG/KG = ug / g

Example calculation on sample #

AN02678

with

(% TS = 52.16)

using the above equation : (for solid samples) D.F = 10

Analyte:

Pb

MG/KG =
(ug / g)

23,630 ug/L X 10 X 0.050 L

0.79 g X 52.16/100

= 28,672.7

MG/KG =
(ug / g)

29,000

(ROUNDED VALUE FOR LIMS)

ICP-AES QA/QC CHECKLIST

Page 1 of 2Project Name Lowell White lead Project No. 11070033Date(s) of Sample Analysis 9/25/11 Date(s) of Sample Prep. 9/24/11Preparer(s): R. Recto Analyst(s): R. Recto(Circle) Matrix: Aqueous Solid Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: TAL Metals minus Na)

| | YES | NO | N/A |
|---|-------------------------------------|--------------------------|--------------------------|
| A. Analysis performed within holding time of 6 months? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| B. At least a two point standardization performed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| C. ICV run immediately after calibration? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| D. ICV $\pm 10\%$ for each element of interest? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| E. % RSD of the 3 ICV replicates $< 20\%$? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| F. ICB $<$ the Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| G. RLs (IPC Low Level) within control limits ($\pm 30\%RL$)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| H. IOS concentrations within $\pm 20\%$ of the T.V. for all Spiked elements? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I. IOS concentrations $<$ Reporting Limit for all Non-Spiked elements? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| J. CCV / CCB run at a maximum of 10 samples? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| K. CCVs within $\pm 20\%$ of the T.V. for non-NPDES projects ($\pm 10\%$ for NPDES)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| L. CCBs $<$ the Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

II. DIGESTION BATCH QC: (for the elements of interest stated above)

| | | | |
|--|-------------------------------------|-------------------------------------|--------------------------|
| A. Prep Blank $<$ Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| B. Avg. % Recovery of 2 Aqueous LCSs within $\pm 20\%$ of T.V. for all elements of interest? ($\pm 25\%$ for Solid LCSs or within control limits) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| C. RPD of the 2 LCSs $< 20\%$ for all elements of interest? ($\pm 25\%$ for Solid LCSs)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| D. % Recovery of the Matrix Spike $\pm 20\%$ for all elements of interest? ($\pm 25\%$ for Solid)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| E. Was the % Difference between the MS and the Serial Dilution within $\pm 10.0\%$? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| F. Thallium results $<$ Reporting Limit for all non-spiked samples in this particular project | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| G. For samples with results $>$ Reporting Limit, was the % RSD $< 20\%$? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| H. Any QA/QC qualifiers? If YES (explain on next page) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Completed By: R. RectoDate: 9/27/11Peer Review: Yelena KhuradDate: 10/12/11

QUALIFIERS and SPECIAL COMMENTS

Page 2 of 2

Project Name: JEWETT WHITE LEAD

Project # 11070033

Twenty (20) aqueous samples (9 ADs + 11 ATs) were analyzed for TAL Metals by ICP-AES on 09/25/11.

AD = Aqueous Dissolved: AN03637, AN03639, AN03641, AN03643, AN03645, AN03647, AN03649, AN03651, AN03656

AT = Aqueous Total: AN03638, AN03640, AN03642, AN03644, AN03646, AN03648, AN03650, AN03652, AN03653, AN03654, AN03655

QC failures were encountered for Na throughout the entire analysis due to long term memory effects from each individual samples. Hence TAL metals except Na were reported during this analytical batch. (See Na re-analysis on 09/28/11).

Matrix Spike #1:

The percent recoveries of the Matrix Spike (AN03637 MS) were below the lower acceptance limit of 80% for Ca, K, and Mg. Since the concentrations of Ca, K, and Mg in the original non-spiked sample were greater than 1X the spike concentration, the QC qualifiers associated with these analytes were considered not applicable (N/A).

Matrix Spike #2:

The percent recoveries of the Matrix Spike (AN03638 MS) were below the lower acceptance limit of 80% for Ca and Mg. Since the concentrations of Ca and Mg in the original non-spiked sample were greater than 1X the spike concentration, the QC qualifiers associated with these analytes were considered not applicable (N/A).

| ELEMENT | TRUE VALUE | ICV | %REC | FLAG | REP. LIMIT | ICB | FLAG |
|---------|---------------|-------------|-------|------|------------|-------------|------|
| | ug/L | 25 Sep 2011 | | | ug/L | 25 Sep 2011 | |
| | | 14:45:43 | | | | 14:50:28 | |
| Ag3280 | 200 | 197.1 | 98.6 | PASS | 5 | 0.6202 | PASS |
| Al3082A | 5000 | 4806 | 96.1 | PASS | 100 | 0.057 | PASS |
| Al3082R | 5000 | 4903 | 98.1 | PASS | 100 | -9.935 | PASS |
| As1890 | 200 | 196.5 | 98.3 | PASS | 8 | 0.8605 | PASS |
| Ba4554R | 200 | 199.2 | 99.6 | PASS | 100 | 0.3961 | PASS |
| Be3131R | 200 | 197.5 | 98.8 | PASS | 3 | 0.1157 | PASS |
| Ca3179R | 5000 | 5036 | 100.7 | PASS | 500 | -5.532 | PASS |
| Cd2265 | 200 | 198.5 | 99.3 | PASS | 3 | -0.0113 | PASS |
| Co2286 | 200 | 196.3 | 98.2 | PASS | 20 | 0.107 | PASS |
| Cr2677 | 200 | 208.6 | 104.3 | PASS | 5 | 0.0607 | PASS |
| Cu3247 | 200 | 212 | 106.0 | PASS | 5 | -0.3665 | PASS |
| Fe2599A | 5000 | 5147 | 102.9 | PASS | 50 | -0.7828 | PASS |
| Fe2599R | 5000 | 5041 | 100.8 | PASS | 50 | 1.401 | PASS |
| K_7664R | 5000 | 4994 | 99.9 | PASS | 500 | -12.42 | PASS |
| Mg2790R | 5000 | 4975 | 99.5 | PASS | 500 | 22.14 | PASS |
| Mn2576 | 200 | 213.2 | 106.6 | PASS | 5 | 0.0379 | PASS |
| Na5895R | 5000 | 4990 | 99.8 | PASS | 1000 | -103 | PASS |
| Ni2316 | 200 | 200 | 100.0 | PASS | 20 | -0.2416 | PASS |
| Pb2203 | 200 | 198.1 | 99.1 | PASS | 8 | -0.0959 | PASS |
| Sb2068 | 200 | 199 | 99.5 | PASS | 20 | 3.144 | PASS |
| Se1960 | 200 | 198.6 | 99.3 | PASS | 20 | 1.485 | PASS |
| Ti1908 | 200 | 203.2 | 101.6 | PASS | 20 | 0.0392 | PASS |
| V_2924 | 200 | 202.2 | 101.1 | PASS | 20 | 0.1338 | PASS |
| Zn2062 | 200 | 204.6 | 102.3 | PASS | 20 | 1.786 | PASS |
| Mo2020 | 200 | 203.6 | 101.8 | PASS | 10 | 0.3084 | PASS |
| Ti3372 | 200 | 206.1 | 103.1 | PASS | 10 | 0.0683 | PASS |
| B_2089 | 200 | 207 | 103.5 | PASS | 10 | 3.93 | PASS |
| Si2881A | 5000 | 4993 | 99.9 | PASS | 500 | 0.7889 | PASS |
| Si2881R | 5000 | 4959 | 99.2 | PASS | 500 | -4.952 | PASS |
| Sr3464 | 200 | 198.9 | 99.5 | PASS | 10 | -0.6439 | PASS |
| Sn1899 | 200 | 201.1 | 100.6 | PASS | 10 | -0.3232 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | ACCEPTANCE LIMITS | | RL START | %REC | FLAG | RL END | %REC | FLAG |
|---------|---------------|----------------------|------|-------------|---------|---------|-------------|-------|------|
| | ug/L | ug/L | ug/L | 25 Sep 2011 | | | 25 Sep 2011 | | |
| | | | | 14:55:20 | | | 17:50:26 | | |
| Ag3280 | 5 | 3.5 | 6.5 | 5.364 | 107.3 | PASS | 5.299 | 106.0 | PASS |
| Al3082A | 100 | 70.0 | 130 | 93.58 | 93.6 | PASS | 90.04 | 90.0 | PASS |
| Al3082R | 100 | 70.0 | 130 | 97.38 | 97.4 | PASS | 118.9 | 118.9 | PASS |
| As1890 | 8 | 5.6 | 10.4 | 8.687 | 108.6 | PASS | 8.167 | 102.1 | PASS |
| Ba4554R | 100 | 70.0 | 130 | 101.2 | 101.2 | PASS | 98.86 | 98.9 | PASS |
| Be3131R | 3 | 2.1 | 3.9 | 2.864 | 95.5 | PASS | 2.981 | 99.4 | PASS |
| Ca3179R | 500 | 350 | 650 | 506.1 | 101.2 | PASS | 514.6 | 102.9 | PASS |
| Cd2265 | 3 | 2.1 | 3.9 | 2.869 | 95.6 | PASS | 3.034 | 101.1 | PASS |
| Co2286 | 20 | 14.0 | 26.0 | 20.2 | 101.0 | PASS | 20.13 | 100.7 | PASS |
| Cr2677 | 5 | 3.5 | 6.5 | 5.574 | 111.5 | PASS | 5.505 | 110.1 | PASS |
| Cu3247 | 10 | 7.0 | 13.0 | 10.29 | 102.9 | PASS | 9.525 | 95.3 | PASS |
| Fe2599A | 50 | 35.0 | 65.0 | 52.83 | 105.7 | PASS | 55.75 | 111.5 | PASS |
| Fe2599R | 50 | 35.0 | 65.0 | 54.54 | 109.1 | PASS | 52.93 | 105.9 | PASS |
| K_7664R | 500 | 350 | 650 | 464.9 | 93.0 | PASS | 455.7 | 91.1 | PASS |
| Mg2790R | 500 | 350 | 650 | 527.8 | 105.6 | PASS | 566.3 | 113.3 | PASS |
| Mn2576 | 5 | 3.5 | 6.5 | 5.315 | 106.3 | PASS | 5.613 | 112.3 | PASS |
| Na5895R | 1000 | 700 | 1300 | 912.2 | 91.2 | PASS | 1836 | 183.6 | FAIL |
| Ni2316 | 20 | 14.0 | 26.0 | 20.12 | 100.6 | PASS | 20.38 | 101.9 | PASS |
| Pb2203 | 8 | 5.6 | 10.4 | 9.37 | 117.1 | PASS | 8.194 | 102.4 | PASS |
| Sb2068 | 20 | 14.0 | 26.0 | 22.9 | 114.5 | PASS | 17.1 | 85.5 | PASS |
| Se1960 | 20 | 14.0 | 26.0 | 22.96 | 114.8 | PASS | 19.37 | 96.9 | PASS |
| Ti1908 | 20 | 14.0 | 26.0 | 19.88 | 99.4 | PASS | 19.08 | 95.4 | PASS |
| V_2924 | 20 | 14.0 | 26.0 | 20.4 | 102.0 | PASS | 20.3 | 101.5 | PASS |
| Zn2062 | 20 | 14.0 | 26.0 | 19.58 | 97.9 | PASS | 21.69 | 108.5 | PASS |
| Mo2020 | 10 | 7.0 | 13.0 | 10.48 | 104.8 | PASS | 10.18 | 101.8 | PASS |
| Ti3372 | 10 | 7.0 | 13.0 | 10.19 | 101.9 | PASS | 9.87 | 98.7 | PASS |
| B_2089 | 10 | 7.0 | 13.0 | F 13.35 | #VALUE! | #VALUE! | 9.162 | 91.6 | PASS |
| Si2881A | 500 | 350 | 650 | 505 | 101.0 | PASS | 497.9 | 99.6 | PASS |
| Si2881R | 500 | 350 | 650 | 497.6 | 99.5 | PASS | 494.6 | 98.9 | PASS |
| Sr3464 | 10 | 7.0 | 13.0 | 9.838 | 98.4 | PASS | 9.83 | 98.3 | PASS |
| Sn1899 | 10 | 7.0 | 13.0 | 9.671 | 96.7 | PASS | 11.04 | 110.4 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE | ACCEPTANCE | | 2RL | %REC | FLAG | 2RL | %REC | FLAG |
|---------|-------|------------|------|-------------|-------|------|-------------|-------|------|
| | VALUE | LIMITS | | START | | | END | | |
| | ug/L | ug/L | ug/L | 25 Sep 2011 | | | 25 Sep 2011 | | |
| | | | | 15:00:09 | | | 17:55:15 | | |
| Ag3280 | 10 | 7.0 | 13.0 | 10.43 | 104.3 | PASS | 10.26 | 102.6 | PASS |
| Al3082A | 200 | 140 | 260 | 189.1 | 94.6 | PASS | 180.6 | 90.3 | PASS |
| Al3082R | 200 | 140 | 260 | 176.9 | 88.5 | PASS | 189.7 | 94.9 | PASS |
| As1890 | 16 | 11.2 | 20.8 | 20.08 | 125.5 | PASS | 16.21 | 101.3 | PASS |
| Ba4554R | 200 | 140 | 260 | 200.1 | 100.1 | PASS | 198.6 | 99.3 | PASS |
| Be3131R | 6 | 4.2 | 7.8 | 6.164 | 102.7 | PASS | 5.86 | 97.7 | PASS |
| Ca3179R | 1000 | 700 | 1300 | 1004 | 100.4 | PASS | 1026 | 102.6 | PASS |
| Cd2265 | 6 | 4.2 | 7.8 | 5.843 | 97.4 | PASS | 6.062 | 101.0 | PASS |
| Co2286 | 40 | 28.0 | 52.0 | 40.5 | 101.3 | PASS | 40.47 | 101.2 | PASS |
| Cr2677 | 10 | 7.0 | 13.0 | 10.68 | 106.8 | PASS | 11.28 | 112.8 | PASS |
| Cu3247 | 20 | 16.0 | 24 | 21.02 | 105.1 | PASS | 20.09 | 100.5 | PASS |
| Fe2599A | 100 | 70.0 | 130 | 103.3 | 103.3 | PASS | 108.5 | 108.5 | PASS |
| Fe2599R | 100 | 70.0 | 130 | 104.4 | 104.4 | PASS | 105.5 | 105.5 | PASS |
| K_7664R | 1000 | 700 | 1300 | 977.1 | 97.7 | PASS | 1000 | 100.0 | PASS |
| Mg2790R | 1000 | 700 | 1300 | 1037 | 103.7 | PASS | 1047 | 104.7 | PASS |
| Mn2576 | 10 | 7.0 | 13.0 | 10.8 | 108.0 | PASS | 11.29 | 112.9 | PASS |
| Na5895R | 2000 | 1400 | 2600 | 1919 | 96.0 | PASS | 2706 | 135.3 | FAIL |
| Ni2316 | 40 | 28.0 | 52.0 | 39.5 | 98.8 | PASS | 40.63 | 101.6 | PASS |
| Pb2203 | 16 | 11.2 | 20.8 | 17.73 | 110.8 | PASS | 15.83 | 98.9 | PASS |
| Sb2068 | 40 | 28.0 | 52.0 | 40.12 | 100.3 | PASS | 38.91 | 97.3 | PASS |
| Se1960 | 40 | 28.0 | 52.0 | 39.06 | 97.7 | PASS | 44.48 | 111.2 | PASS |
| Ti1908 | 40 | 28.0 | 52.0 | 40.57 | 101.4 | PASS | 39.76 | 99.4 | PASS |
| V_2924 | 40 | 28.0 | 52.0 | 40.32 | 100.8 | PASS | 41.36 | 103.4 | PASS |
| Zn2062 | 40 | 28.0 | 52.0 | 40.19 | 100.5 | PASS | 43.47 | 108.7 | PASS |
| Mo2020 | 20 | 14.0 | 26.0 | 21.16 | 105.8 | PASS | 20.6 | 103.0 | PASS |
| Ti3372 | 20 | 14.0 | 26.0 | 20.73 | 103.7 | PASS | 20.34 | 101.7 | PASS |
| B_2089 | 20 | 14.0 | 26.0 | 21.6 | 108.0 | PASS | 19.81 | 99.1 | PASS |
| Si2881A | 1000 | 700 | 1300 | 987.2 | 98.7 | PASS | 1004 | 100.4 | PASS |
| Si2881R | 1000 | 700 | 1300 | 990.1 | 99.0 | PASS | 999.2 | 99.9 | PASS |
| Sr3464 | 20 | 14.0 | 26.0 | 20.26 | 101.3 | PASS | 21.02 | 105.1 | PASS |
| Sn1899 | 20 | 14.0 | 26.0 | 20.4 | 102.0 | PASS | 21.86 | 109.3 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | LOWER LIMIT | UPPER LIMIT | IOS START | %REC | FLAG | IOS END | %REC | FLAG | COMMENTS |
|---------|---------------|----------------|----------------|--------------|-------|------|-------------|-------|------|------------------|
| | ug/L | ug/L | ug/L | 25 Sep 2011 | | | 25 Sep 2011 | | | |
| | | | | 15:04:58 | | | 18:00:02 | | | |
| Ag3280 | 0 | -5.0 | 5.0 | 0.3116 | | PASS | -0.4367 | | PASS | |
| Al3082A | 300000 | 200000 | 300000 | 266700 | *N/A | *N/A | 262300 | *N/A | *N/A | switch to radial |
| Al3082R | 300000 | 200000 | 300000 | 287500 | 95.8 | PASS | 285000 | 95.0 | PASS | |
| As1890 | 0 | -8.0 | 8.0 | -0.828 | | PASS | 2.585 | | PASS | |
| Ba4554R | 0 | -100 | 100 | 0.4009 | | PASS | 0.6491 | | PASS | |
| Be3131R | 0 | -3.0 | 3.0 | 0.3298 | | PASS | 0.331 | | PASS | |
| Ca3179R | 300000 | 200000 | 300000 | 286200 | 95.4 | PASS | 292100 | 97.4 | PASS | |
| Cd2265 | 0 | -3.0 | 3.0 | 1.739 | | PASS | -1.256 | | PASS | |
| Co2286 | 0 | -20.0 | 20.0 | -0.8783 | | PASS | -0.7817 | | PASS | |
| Cr2677 | 0 | -5.0 | 5.0 | -0.8459 | | PASS | 0.0106 | | PASS | |
| Cu3247 | 0 | -5.0 | 5.0 | 3.135 | | PASS | 2.977 | | PASS | |
| Fe2599A | 300000 | 200000 | 300000 | 216300 | *N/A | *N/A | 241900 | *N/A | *N/A | switch to radial |
| Fe2599R | 300000 | 200000 | 300000 | 280900 | 93.6 | PASS | 290500 | 96.8 | PASS | |
| K_7664R | 0 | -500 | 500 | 57.18 | | PASS | 8.167 | | PASS | |
| Mg2790R | 300000 | 200000 | 300000 | 292400 | 97.5 | PASS | 306600 | 102.2 | PASS | |
| Mn2576 | 0 | -5.0 | 5.0 | 0.1204 | | PASS | 0.0978 | | PASS | |
| Na5895R | 300000 | 200000 | 300000 | 305400 | 101.8 | PASS | 302900 | 101.0 | PASS | |
| Ni2316 | 0 | -20.0 | 20.0 | -4.746 | | PASS | -3.348 | | PASS | |
| Pb2203 | 0 | -8.0 | 8.0 | -6.932 | | PASS | 4.576 | | PASS | |
| Sb2068 | 0 | -20.0 | 20.0 | -4.413 | | PASS | -5.441 | | PASS | |
| Se1960 | 0 | -20.0 | 20.0 | 1.307 | | PASS | -2.331 | | PASS | |
| Ti1908 | 0 | -20.0 | 20.0 | 1.111 | | PASS | -0.9452 | | PASS | |
| V_2924 | 0 | -20.0 | 20.0 | -0.2127 | | PASS | -0.2955 | | PASS | |
| Zn2062 | 0 | -20.0 | 20.0 | -1.423 | | PASS | -1.619 | | PASS | |
| Mo2020 | 0 | -10.0 | 10.0 | -2.453 | | PASS | -2.507 | | PASS | |
| Ti3372 | 0 | -10.0 | 10.0 | 1.559 | | PASS | 1.186 | | PASS | |
| B_2089 | 0 | -10.0 | 10.0 | -0.0756 | | PASS | -1.363 | | PASS | |
| Si2881A | 0 | -500 | 500 | -3.67 | | PASS | -11.94 | | PASS | |
| Si2881R | 0 | -500 | 500 | 14.85 | | PASS | -9.367 | | PASS | |
| Sr3464 | 0 | -10.0 | 10.0 | 1.086 | | PASS | 0.2643 | | PASS | |
| Sn1899 | 0 | -10.0 | 10.0 | 0.4389 | | PASS | 1.529 | | PASS | |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-1 | %REC | FLAG | REP. LIMIT | CCB-1 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 25 Sep 2011 | | | ug/L | 25 Sep 2011 | |
| | | 15:58:53 | | | | 16:03:31 | |
| Ag3280 | 200 | 191.9 | 96.0 | PASS | 5 | 0.1746 | PASS |
| Al3082A | 5000 | 4446 | 88.9 | PASS | 100 | -0.693 | PASS |
| Al3082R | 5000 | 4893 | 97.9 | PASS | 100 | -2.218 | PASS |
| As1890 | 200 | 206 | 103.0 | PASS | 8 | -0.9562 | PASS |
| Ba4554R | 200 | 195.3 | 97.7 | PASS | 100 | 0.4145 | PASS |
| Be3131R | 200 | 189.2 | 94.6 | PASS | 3 | 0.0796 | PASS |
| Ca3179R | 5000 | 5277 | 105.5 | PASS | 500 | -1.322 | PASS |
| Cd2265 | 200 | 210.5 | 105.3 | PASS | 3 | -0.0881 | PASS |
| Co2286 | 200 | 196.6 | 98.3 | PASS | 20 | -0.0903 | PASS |
| Cr2677 | 200 | 224.3 | 112.2 | PASS | 5 | -0.6956 | PASS |
| Cu3247 | 200 | 195.2 | 97.6 | PASS | 5 | -0.6883 | PASS |
| Fe2599A | 5000 | 5486 | 109.7 | PASS | 50 | -0.515 | PASS |
| Fe2599R | 5000 | 5204 | 104.1 | PASS | 50 | 2.444 | PASS |
| K_7664R | 5000 | 5260 | 105.2 | PASS | 500 | 36.63 | PASS |
| Mg2790R | 5000 | 5461 | 109.2 | PASS | 500 | 40.32 | PASS |
| Mn2576 | 200 | 224.7 | 112.4 | PASS | 5 | -0.2205 | PASS |
| Na5895R | 5000 | 6858 | 137.2 | FAIL | 1000 | 931.9 | PASS |
| Ni2316 | 200 | 204.5 | 102.3 | PASS | 20 | -0.6295 | PASS |
| Pb2203 | 200 | 211.2 | 105.6 | PASS | 8 | 1.941 | PASS |
| Sb2068 | 200 | 193.3 | 96.7 | PASS | 20 | 3.053 | PASS |
| Se1960 | 200 | 211.3 | 105.7 | PASS | 20 | -1.229 | PASS |
| Ti1908 | 200 | 198.7 | 99.4 | PASS | 20 | 0.1668 | PASS |
| V_2924 | 200 | 205.1 | 102.6 | PASS | 20 | 0.062 | PASS |
| Zn2062 | 200 | 235.2 | 117.6 | PASS | 20 | -0.3306 | PASS |
| Mo2020 | 200 | 197.1 | 98.6 | PASS | 10 | -0.082 | PASS |
| Ti3372 | 200 | 201.5 | 100.8 | PASS | 10 | -0.4836 | PASS |
| B_2089 | 200 | 187.6 | 93.8 | PASS | 10 | 0.8012 | PASS |
| Si2881A | 5000 | 5089 | 101.8 | PASS | 500 | -4.215 | PASS |
| Si2881R | 5000 | 5083 | 101.7 | PASS | 500 | -3.227 | PASS |
| Sr3464 | 200 | 212.3 | 106.2 | PASS | 10 | -0.7732 | PASS |
| Sn1899 | 200 | 214.2 | 107.1 | PASS | 10 | -1.091 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-2 | %REC | FLAG | REP. LIMIT | CCB-2 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 25 Sep 2011 | | | ug/L | 25 Sep 2011 | |
| | | 16:57:21 | | | | 17:01:59 | |
| Ag3280 | 200 | 196.9 | 98.5 | PASS | 5 | 0.1825 | PASS |
| Al3082A | 5000 | 4530 | 90.6 | PASS | 100 | -0.4393 | PASS |
| Al3082R | 5000 | 4899 | 98.0 | PASS | 100 | 4.018 | PASS |
| As1890 | 200 | 200.1 | 100.1 | PASS | 8 | 1.602 | PASS |
| Ba4554R | 200 | 196.8 | 98.4 | PASS | 100 | 0.9239 | PASS |
| Be3131R | 200 | 189 | 94.5 | PASS | 3 | 0.1724 | PASS |
| Ca3179R | 5000 | 5269 | 105.4 | PASS | 500 | -4.142 | PASS |
| Cd2265 | 200 | 209.2 | 104.6 | PASS | 3 | -0.2126 | PASS |
| Co2286 | 200 | 196.8 | 98.4 | PASS | 20 | 0.1332 | PASS |
| Cr2677 | 200 | 228.9 | 114.5 | PASS | 5 | 0.5211 | PASS |
| Cu3247 | 200 | 196.1 | 98.1 | PASS | 5 | -1.218 | PASS |
| Fe2599A | 5000 | 5677 | 113.5 | PASS | 50 | -0.4931 | PASS |
| Fe2599R | 5000 | 5297 | 105.9 | PASS | 50 | 0.3726 | PASS |
| K_7664R | 5000 | 5312 | 106.2 | PASS | 500 | -31.65 | PASS |
| Mg2790R | 5000 | 5500 | 110.0 | PASS | 500 | 13.49 | PASS |
| Mn2576 | 200 | 231 | 115.5 | PASS | 5 | -0.1823 | PASS |
| Na5895R | 5000 | 7220 | 144.4 | FAIL | 1000 | 1205 | FAIL |
| Ni2316 | 200 | 206 | 103.0 | PASS | 20 | -0.3929 | PASS |
| Pb2203 | 200 | 207.9 | 104.0 | PASS | 8 | 2.95 | PASS |
| Sb2068 | 200 | 185.3 | 92.7 | PASS | 20 | 2.348 | PASS |
| Se1960 | 200 | 209.2 | 104.6 | PASS | 20 | 1.427 | PASS |
| Ti1908 | 200 | 201.2 | 100.6 | PASS | 20 | -0.1896 | PASS |
| V_2924 | 200 | 210 | 105.0 | PASS | 20 | -0.0955 | PASS |
| Zn2062 | 200 | 236.9 | 118.5 | PASS | 20 | -0.0626 | PASS |
| Mo2020 | 200 | 197.7 | 98.9 | PASS | 10 | -0.1916 | PASS |
| Ti3372 | 200 | 203.9 | 102.0 | PASS | 10 | -0.3705 | PASS |
| B_2089 | 200 | 183.8 | 91.9 | PASS | 10 | 0.8802 | PASS |
| Si2881A | 5000 | 5203 | 104.1 | PASS | 500 | -4.966 | PASS |
| Si2881R | 5000 | 5064 | 101.3 | PASS | 500 | -3.325 | PASS |
| Sr3464 | 200 | 218 | 109.0 | PASS | 10 | -0.7054 | PASS |
| Sn1899 | 200 | 216.5 | 108.3 | PASS | 10 | -0.8663 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-3 | %REC | FLAG | REP. LIMIT | CCB-3 | FLAG |
|---------|---------------|-------------|---------|---------|---------------|-------------|---------|
| | ug/L | 25 Sep 2011 | | | ug/L | 25 Sep 2011 | |
| | | 17:40:59 | | | | 17:45:37 | |
| Ag3280 | 200 | 193.1 | 96.6 | PASS | 5 | 0.605 | PASS |
| Al3082A | 5000 | 4437 | 88.7 | PASS | 100 | -0.3425 | PASS |
| Al3082R | 5000 | 4854 | 97.1 | PASS | 100 | -2.411 | PASS |
| As1890 | 200 | 202.2 | 101.1 | PASS | 8 | -0.4798 | PASS |
| Ba4554R | 200 | 195.4 | 97.7 | PASS | 100 | 1.173 | PASS |
| Be3131R | 200 | 187.7 | 93.9 | PASS | 3 | 0.2103 | PASS |
| Ca3179R | 5000 | 5248 | 105.0 | PASS | 500 | -8.353 | PASS |
| Cd2265 | 200 | 210.3 | 105.2 | PASS | 3 | -0.1365 | PASS |
| Co2286 | 200 | 195.9 | 98.0 | PASS | 20 | -0.0716 | PASS |
| Cr2677 | 200 | 226.9 | 113.5 | PASS | 5 | 0.3263 | PASS |
| Cu3247 | 200 | 194.5 | 97.3 | PASS | 5 | -0.2611 | PASS |
| Fe2599A | 5000 | 5557 | 111.1 | PASS | 50 | -0.5777 | PASS |
| Fe2599R | 5000 | 5217 | 104.3 | PASS | 50 | 1.094 | PASS |
| K_7664R | 5000 | 5195 | 103.9 | PASS | 500 | -19.82 | PASS |
| Mg2790R | 5000 | 5466 | 109.3 | PASS | 500 | -1.814 | PASS |
| Mn2576 | 200 | 227.4 | 113.7 | PASS | 5 | -0.1388 | PASS |
| Na5895R | 5000 | F 6800 | #VALUE! | #VALUE! | 1000 | F 1082 | #VALUE! |
| Ni2316 | 200 | 204.3 | 102.2 | PASS | 20 | 0.2443 | PASS |
| Pb2203 | 200 | 210.1 | 105.1 | PASS | 8 | 1.41 | PASS |
| Sb2068 | 200 | 184.9 | 92.5 | PASS | 20 | 0.9649 | PASS |
| Se1960 | 200 | 209 | 104.5 | PASS | 20 | -1.875 | PASS |
| Ti1908 | 200 | 197.1 | 98.6 | PASS | 20 | 0.8768 | PASS |
| V_2924 | 200 | 206.7 | 103.4 | PASS | 20 | -0.3282 | PASS |
| Zn2062 | 200 | 236.8 | 118.4 | PASS | 20 | -0.1681 | PASS |
| Mo2020 | 200 | 195.2 | 97.6 | PASS | 10 | 0.1069 | PASS |
| Ti3372 | 200 | 201.2 | 100.6 | PASS | 10 | -0.5418 | PASS |
| B_2089 | 200 | 184.9 | 92.5 | PASS | 10 | -0.492 | PASS |
| Si2881A | 5000 | 5123 | 102.5 | PASS | 500 | -4.285 | PASS |
| Si2881R | 5000 | 5039 | 100.8 | PASS | 500 | 19.57 | PASS |
| Sr3464 | 200 | 214.8 | 107.4 | PASS | 10 | -0.6164 | PASS |
| Sn1899 | 200 | 216.3 | 108.2 | PASS | 10 | 0.6119 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | PBW B19P30 | REP. LIMIT | ACCEPTANCE LIMITS | | FLAG |
|---------|---------------|---------------|----------------------|-------|------|
| | 25 Sep 2011 | ug/L | ug/L | ug/L | |
| | 15:10:31 | | | | |
| Ag3280 | 0.5735 | 5 | 5 | -5 | PASS |
| Al3082A | 33.14 | 100 | 100 | -100 | PASS |
| Al3082R | 37.6 | 100 | 100 | -100 | PASS |
| As1890 | 0.11 | 8 | 8 | -8 | PASS |
| Ba4554R | -0.1063 | 100 | 100 | -100 | PASS |
| Be3131R | -0.2106 | 3 | 3 | -3 | PASS |
| Ca3179R | 32.93 | 500 | 500 | -500 | PASS |
| Cd2265 | -0.3053 | 3 | 3 | -3 | PASS |
| Co2286 | -0.0377 | 20 | 20 | -20 | PASS |
| Cr2677 | -0.4835 | 5 | 5 | -5 | PASS |
| Cu3247 | -0.3189 | 5 | 5 | -5 | PASS |
| Fe2599A | 35.95 | 50 | 50 | -50 | PASS |
| Fe2599R | 35.61 | 50 | 50 | -50 | PASS |
| K_7664R | -4.976 | 500 | 500 | -500 | PASS |
| Mg2790R | 46.49 | 500 | 500 | -500 | PASS |
| Mn2576 | -0.1693 | 5 | 5 | -5 | PASS |
| Na5895R | -5.626 | 1000 | 1000 | -1000 | PASS |
| Ni2316 | -0.5434 | 20 | 20 | -20 | PASS |
| Pb2203 | -0.8422 | 8 | 8 | -8 | PASS |
| Sb2068 | 2.067 | 20 | 20 | -20 | PASS |
| Se1960 | 0.5227 | 20 | 20 | -20 | PASS |
| Ti1908 | 0.9067 | 20 | 20 | -20 | PASS |
| V_2924 | 0.2085 | 20 | 20 | -20 | PASS |
| Zn2062 | -1.277 | 20 | 20 | -20 | PASS |
| Mo2020 | 0.0452 | 10 | 10 | -10 | PASS |
| Ti3372 | -0.1418 | 10 | 10 | -10 | PASS |
| B_2089 | 0.1126 | 10 | 10 | -10 | PASS |
| Si2881A | 0.1488 | 500 | 500 | -500 | PASS |
| Si2881R | -6.814 | 500 | 500 | -500 | PASS |
| Sr3464 | -0.9322 | 10 | 10 | -10 | PASS |
| Sn1899 | -0.23 | 10 | 10 | -10 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | LCSW-1 B19P30 | LCSW-2 B19P30 | MEAN | SPIKE LEVEL | RPD | % REC | FLAG |
|---------|------------------|------------------|---------|-------------|---------|---------|---------|
| | 25 Sep 2011 | 25 Sep 2011 | ug/L | ug/L | | | |
| | 15:15:21 | 15:20:01 | | | | | |
| Ag3280 | 193.7 | 186.7 | 190.2 | 200 | 1.00 | 94 | PASS |
| Al3082A | 4883 | 4703 | 4793 | 5000 | 3.76 | 96 | PASS |
| Al3082R | 5041 | 4930 | 4985.5 | 5000 | 2.23 | 100 | PASS |
| As1890 | 191.5 | 192.3 | 191.9 | 200 | 0.42 | 96 | PASS |
| Ba4554R | 193.3 | 188.5 | 190.9 | 200 | 2.51 | 95 | PASS |
| Be3131R | 196.3 | 193.5 | 195 | 200 | 1.44 | 97 | PASS |
| Ca3179R | 5115 | 4995 | 5055.0 | 5000 | 2.37 | 101 | PASS |
| Cd2265 | 194.1 | 194.2 | 194.2 | 200 | 0.05 | 97 | PASS |
| Co2286 | 194.1 | 192.8 | 193.5 | 200 | 0.67 | 97 | PASS |
| Cr2677 | 198.4 | 195.4 | 196.9 | 200 | 1.52 | 98 | PASS |
| Cu3247 | 193.5 | 189.1 | 191 | 200 | 2.30 | 96 | PASS |
| Fe2599A | 5167 | 4998 | 5083 | 5000 | 3.33 | 102 | PASS |
| Fe2599R | 5071 | 4967 | 5019 | 5000 | 2.07 | 100 | PASS |
| K_7664R | 5008 | 4860 | 4934.0 | 5000 | 3.00 | 99 | PASS |
| Mg2790R | 5101 | 5034 | 5068 | 5000 | 1.32 | 101 | PASS |
| Mn2576 | 204.5 | 199.9 | 202.2 | 200 | 2.27 | 101 | PASS |
| Na5895R | 5034 | 4900 | 4967.0 | 5000 | 2.70 | 99 | PASS |
| Ni2316 | 195.9 | 193.2 | 194.6 | 200 | 1.39 | 97 | PASS |
| Pb2203 | 195.9 | 196.5 | 196.2 | 200 | 0.31 | 98 | PASS |
| Sb2068 | 190.1 | 192.3 | 191.2 | 200 | 1.15 | 96 | PASS |
| Se1960 | 198.2 | 191.8 | 195.0 | 200 | 3.28 | 98 | PASS |
| Ti1908 | 193.5 | 191.3 | 192.4 | 200 | 1.14 | 96 | PASS |
| V_2924 | 195.5 | 190.6 | 193.1 | 200 | 2.54 | 97 | PASS |
| Zn2062 | 199 | 200.3 | 199.7 | 200 | 0.65 | 100 | PASS |
| Mo2020 | 194 | 190.5 | 192.3 | 200 | 1.82 | 96 | PASS |
| Ti3372 | 199.5 | 195.2 | 197.4 | 200 | 2.18 | 99 | PASS |
| B_2089 | 186.5 | 183.7 | 185.1 | 200 | 1.51 | 93 | PASS |
| Si2881A | F 180.1 | F 175.7 | #VALUE! | 5000 | #VALUE! | #VALUE! | #VALUE! |
| Si2881R | F 180.1 | F 185.0 | #VALUE! | 5000 | #VALUE! | #VALUE! | #VALUE! |
| Sr3464 | 197.9 | 193.7 | 195.8 | 200 | 2.15 | 98 | PASS |
| Sn1899 | 193.9 | 192.2 | 193.1 | 200 | 0.88 | 97 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | MDL | AN03637 | AN03637 MS | SPIKE LEVEL | % REC | FLAG | QUALIFIER | COMMENTS |
|---------|------|-------------|-------------|-------------|---------|-------|-----------|------------------|
| | | 25 Sep 2011 | 25 Sep 2011 | ug/L | | | | |
| | | 15:24:42 | 15:29:36 | | | | | |
| Ag3280 | 1.33 | 0.4444 | 210.5 | 200 | 105.3 | PASS | | |
| Al3082A | 25.2 | -30.78 | 5219 | 5000 | 104.4 | PASS | | |
| Al3082R | 28.2 | -55.3 | 5010 | 5000 | 100.2 | PASS | | |
| As1890 | 4.8 | 5.671 | 206.5 | 200 | 100.4 | PASS | | |
| Ba4554R | 27.6 | 64.95 | 257.5 | 200 | 96.3 | PASS | | |
| Be3131R | 1.44 | 0.408 | 187 | 200 | 93.5 | PASS | | |
| Ca3179R | 133 | 132800 | 133600 | 5000 | 16.0 | L | N/A | > 1X Spike Level |
| Cd2265 | 1.46 | -0.2407 | 187.6 | 200 | 93.8 | PASS | | |
| Co2286 | 5.44 | -0.2644 | 184.9 | 200 | 92.5 | PASS | | |
| Cr2677 | 2.9 | 1.313 | 199.8 | 200 | 99.9 | PASS | | |
| Cu3247 | 5.03 | 1.155 | 197 | 200 | 98.5 | PASS | | |
| Fe2599A | 14.2 | 249.9 | 5432 | 5000 | 103.6 | PASS | | |
| Fe2599R | 13.7 | 246.3 | 5254 | 5000 | 100.2 | PASS | | |
| K_7664R | 154 | 117700 | 118800 | 5000 | 22.0 | L | N/A | > 1X Spike Level |
| Mg2790R | 139 | 353100 | 345600 | 5000 | -150.0 | L | N/A | > 1X Spike Level |
| Mn2576 | 3.04 | 106.7 | 312.3 | 200 | 102.8 | PASS | | |
| Na5895R | 274 | F 2400000 | F 2293000 | 5000 | #VALUE! | ##### | | |
| Ni2316 | 5.43 | 1.427 | 187 | 200 | 93.5 | PASS | | |
| Pb2203 | 2.39 | 6.269 | 188.8 | 200 | 91.3 | PASS | | |
| Sb2068 | 11.2 | 3.009 | 192.1 | 200 | 96.1 | PASS | | |
| Se1960 | 11.2 | -0.5841 | 204.3 | 200 | 102.2 | PASS | | |
| Ti1908 | 7.58 | -1.479 | 174.2 | 200 | 87.1 | PASS | | |
| V_2924 | 5.62 | 0.025 | 196.8 | 200 | 98.4 | PASS | | |
| Zn2062 | 5.71 | 0.5856 | 203.6 | 200 | 101.8 | PASS | | |
| Mo2020 | 2.7 | 3.244 | 189.3 | 200 | 93.0 | PASS | | |
| Ti3372 | 2.91 | 0.3748 | 197.8 | 200 | 98.9 | PASS | | |
| B_2089 | 2.5 | 1278 | 1370 | 200 | 46.0 | L | | |
| Si2881A | 40.5 | 3795 | 3947 | 5000 | 3.0 | L | | |
| Si2881R | 50.5 | 3737 | 3862 | 5000 | 2.5 | L | | |
| Sr3464 | 2.5 | 2183 | 2354 | 200 | 85.5 | PASS | | |
| Sn1899 | 2.4 | 0.9885 | 185.5 | 200 | 92.8 | PASS | | |

Note: Darkened areas were not analytes of interest

| ELEMENT | MS Value (ug/L) AN03637 MS | SDL Value (ug/L) AN03637 SDL | % Difference | FLAG | QUALIFIER | COMMENTS |
|---------|-------------------------------|---------------------------------|--------------|-------|-----------|----------|
| | 25 Sep 2011 | 25 Sep 2011 | | | | |
| | 15:29:36 | 15:34:23 | | | | |
| Ag3280 | 210.5 | 194.3 | 7.70 | PASS | | |
| Al3082A | 5219 | 4956 | 5.04 | PASS | | |
| Al3082R | 5010 | 4819 | 3.81 | PASS | | |
| As1890 | 206.5 | 197.4 | 4.41 | PASS | | |
| Ba4554R | 257.5 | 249.9 | 2.95 | PASS | | |
| Be3131R | 187 | 188 | -0.53 | PASS | | |
| Ca3179R | 133600 | 133600 | 0.00 | PASS | | |
| Cd2265 | 187.6 | 191.3 | -1.97 | PASS | | |
| Co2286 | 184.9 | 188.3 | -1.84 | PASS | | |
| Cr2677 | 199.8 | 202.7 | -1.45 | PASS | | |
| Cu3247 | 197 | 189.3 | 3.91 | PASS | | |
| Fe2599A | 5432 | 5408 | 0.44 | PASS | | |
| Fe2599R | 5254 | 5281 | -0.51 | PASS | | |
| K_7664R | 118800 | 111900 | 5.81 | PASS | | |
| Mg2790R | 345600 | 346400 | -0.23 | PASS | | |
| Mn2576 | 312.3 | 310 | 0.74 | PASS | | |
| Na5895R | F 2293000 | F 2664000 | #VALUE! | ##### | | |
| Ni2316 | 187 | 193 | -3.21 | PASS | | |
| Pb2203 | 188.8 | 205.7 | -8.95 | PASS | | |
| Sb2068 | 192.1 | 179 | 6.82 | PASS | | |
| Se1960 | 204.3 | 196.3 | 3.92 | PASS | | |
| Ti1908 | 174.2 | 194.8 | -11.83 | PASS | | |
| V_2924 | 196.8 | 192.7 | 2.08 | PASS | | |
| Zn2062 | 203.6 | 214.1 | -5.16 | PASS | | |
| Mo2020 | 189.3 | 191 | -0.90 | PASS | | |
| Ti3372 | 197.8 | 192.1 | 2.88 | PASS | | |
| B_2089 | 1370 | 1385 | -1.09 | PASS | | |
| Si2881A | 3947 | 3786 | 4.08 | PASS | | |
| Si2881R | 3862 | 3739 | 3.18 | PASS | | |
| Sr3464 | 2354 | 2366 | -0.51 | PASS | | |
| Sn1899 | 185.5 | 193.4 | -4.26 | PASS | | |

Note: Darkened areas were not analytes of interest

| ELEMENT | MDL | AN03638 | AN03638 MS | SPIKE LEVEL | % REC | FLAG | COMMENTS | QUALIFIER |
|---------|------|-------------|-------------|-------------|-------|-------|----------|------------------|
| | | 25 Sep 2011 | 25 Sep 2011 | ug/L | | | | |
| | | 16:28:11 | 16:33:04 | | | | | |
| Ag3280 | 1.33 | -0.44 | 204.8 | 200 | 102.4 | PASS | | |
| Al3082A | 25.2 | 11.75 | 5082 | 5000 | 101.6 | PASS | | |
| Al3082R | 28.2 | 7.943 | 5058 | 5000 | 101.2 | PASS | | |
| As1890 | 4.8 | -1.494 | 210.3 | 200 | 105.2 | PASS | | |
| Ba4554R | 27.6 | 69.58 ✓ | 260.3 | 200 | 95.4 | PASS | | |
| Be3131R | 1.44 | 0.6603 | 179.2 | 200 | 89.6 | PASS | | |
| Ca3179R | 133 | 138600 ✓ | 142500 | 5000 | 78.0 | L | N/A | > 1X Spike Level |
| Cd2265 | 1.46 | -0.0928 | 199 | 200 | 99.5 | PASS | | |
| Co2286 | 5.44 | -0.3057 | 187.5 | 200 | 93.8 | PASS | | |
| Cr2677 | 2.9 | 2.576 | 218 | 200 | 109.0 | PASS | | |
| Cu3247 | 5.03 | 2.522 | 189.6 | 200 | 94.8 | PASS | | |
| Fe2599A | 14.2 | 308.9 | 5899 | 5000 | 111.8 | PASS | | |
| Fe2599R | 13.7 | 288.6 | 5482 | 5000 | 103.9 | PASS | | |
| K_7664R | 154 | 122900 ✓ | 126900 | 5000 | 80.0 | PASS | | |
| Mg2790R | 139 | 371200 ✓ | 372200 | 5000 | 20.0 | L | N/A | > 1X Spike Level |
| Mn2576 | 3.04 | 123.4 ✓ | 342.4 | 200 | 109.5 | PASS | | |
| Na5895R | 274 | F 2379000 | F 2338000 | 5000 | ##### | ##### | | |
| Ni2316 | 5.43 | 1.813 ✓ | 193.6 | 200 | 96.8 | PASS | | |
| Pb2203 | 2.39 | 75.07 ✓ | 276.4 | 200 | 100.7 | PASS | | |
| Sb2068 | 11.2 | 3.1 | 181.5 | 200 | 90.8 | PASS | | |
| Se1960 | 11.2 | 1.494 | 211 | 200 | 105.5 | PASS | | |
| Ti1908 | 7.58 | -0.1813 | 176.2 | 200 | 88.1 | PASS | | |
| V_2924 | 5.62 | -0.3304 | 204.8 | 200 | 102.4 | PASS | | |
| Zn2062 | 5.71 | 4.705 | 235.3 | 200 | 117.7 | PASS | | |
| Mo2020 | 2.7 | 2.661 | 188.9 | 200 | 94.5 | PASS | | |
| Ti3372 | 2.91 | 1.33 | 198.8 | 200 | 99.4 | PASS | | |
| B_2089 | 2.5 | 1213 | 1350 | 200 | 68.5 | L | | |
| Si2881A | 40.5 | 4099 | 4335 | 5000 | 4.7 | L | | |
| Si2881R | 50.5 | 3977 | 4176 | 5000 | 4.0 | L | | |
| Sr3464 | 2.5 | 2383 | 2594 | 200 | 105.5 | PASS | | |
| Sn1899 | 2.4 | 0.5736 | 205.8 | 200 | 102.9 | PASS | | |

| ELEMENT | MS Value (ug/L) AN03638 MS | SDL Value (ug/L) AN03638 SDL | % Difference | FLAG | COMMENTS | QUALIFIER |
|---------|-------------------------------|---------------------------------|--------------|-------|----------|-----------|
| | 25 Sep 2011 | 25 Sep 2011 | | | | |
| | 16:33:04 | 16:37:50 | | | | |
| Ag3280 | 204.8 | 192.7 | 5.91 | PASS | | |
| Al3082A | 5082 | 4921 | 3.17 | PASS | | |
| Al3082R | 5058 | 5072 | -0.28 | PASS | | |
| As1890 | 210.3 | 205 | 2.52 | PASS | | |
| Ba4554R | 260.3 | 260.6 | -0.12 | PASS | | |
| Be3131R | 179.2 | 183.4 | -2.34 | PASS | | |
| Ca3179R | 142500 | 141400 | 0.77 | PASS | | |
| Cd2265 | 199 | 194.9 | 2.06 | PASS | | |
| Co2286 | 187.5 | 189.6 | -1.12 | PASS | | |
| Cr2677 | 218 | 213.3 | 2.16 | PASS | | |
| Cu3247 | 189.6 | 182.6 | 3.69 | PASS | | |
| Fe2599A | 5899 | 5774 | 2.12 | PASS | | |
| Fe2599R | 5482 | 5420 | 1.13 | PASS | | |
| K_7664R | 126900 | 116700 | 8.04 | PASS | | |
| Mg2790R | 372200 | 367900 | 1.16 | PASS | | |
| Mn2576 | 342.4 | 335.4 | 2.04 | PASS | | |
| Na5895R | F 2338000 | F 2766000 | #VALUE! | ##### | | |
| Ni2316 | 193.6 | 194.7 | -0.57 | PASS | | |
| Pb2203 | 276.4 | 271.2 | 1.88 | PASS | | |
| Sb2068 | 181.5 | 195.5 | -7.71 | PASS | | |
| Se1960 | 211 | 206.8 | 1.99 | PASS | | |
| Ti1908 | 176.2 | 181.2 | -2.84 | PASS | | |
| V_2924 | 204.8 | 198.9 | 2.88 | PASS | | |
| Zn2062 | 235.3 | 219.4 | 6.76 | PASS | | |
| Mo2020 | 188.9 | 190.6 | -0.90 | PASS | | |
| Ti3372 | 198.8 | 192.4 | 3.22 | PASS | | |
| B_2089 | 1350 | 1372 | -1.63 | PASS | | |
| Si2881A | 4335 | 4142 | 4.45 | PASS | | |
| Si2881R | 4176 | 4005 | 4.09 | PASS | | |
| Sr3464 | 2594 | 2548 | 1.77 | PASS | | |
| Sn1899 | 205.8 | 197.9 | 3.84 | PASS | | |

SUMMARY- VERTICAL REPORT

| | Blank | MID STD | HIGH STD | ICV | ICB | RL | 2RL | IOS |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 25 Sep 2011 14:30:51 | 25 Sep 2011 14:35:39 | 25 Sep 2011 14:40:26 | 25 Sep 2011 14:45:43 | 25 Sep 2011 14:50:28 | 25 Sep 2011 14:55:20 | 25 Sep 2011 15:00:09 | 25 Sep 2011 15:04:58 |
| Ag3280 | -.0008 | .3752 | .7743 | 197.1 | .6202 | 5.364 | 10.43 | .3116 |
| Al3961A | .0054 | 2.329 | 4.898 | 4806. | .0570 | 93.58 | 189.1 | 266700. |
| Al3961R | .0016 | .2433 | .4893 | 4903. | -9.935 | 97.38 | 176.9 | 287500. |
| As1890 | -.0001 | .1833 | .3634 | 196.5 | .8605 | 8.687 | 20.08 | -.8280 |
| Ba4554R | .0059 | 10.81 | 21.61 | 199.2 | .3961 | 101.2 | 200.1 | .4009 |
| Be3131R | .0010 | 9.300 | 18.72 | 197.5 | .1157 | 2.864 | 6.164 | .3298 |
| Ca3179R | .0065 | .5797 | 1.144 | 5036. | -5.532 | 506.1 | 1004. | 286200. |
| Cd2265 | .0002 | 6.457 | 12.66 | 198.5 | -.0113 | 2.869 | 5.843 | 1.739 |
| Co2286 | .0001 | 2.261 | 4.498 | 196.3 | .1070 | 20.20 | 40.50 | -.8783 |
| Cr2677 | .0001 | .9488 | 1.859 | 208.6 | .0607 | 5.574 | 10.68 | -.8459 |
| Cu3247 | .0144 | 4.436 | 9.067 | 212.0 | -.3665 | 10.29 | 21.02 | .3.135 |
| Fe2599A | .0016 | 2.358 | 4.718 | 5147. | -.7828 | 52.83 | 103.3 | 216300. |
| Fe2599R | .0003 | .3361 | .6708 | 5041. | 1.401 | 54.54 | 104.4 | 280900. |
| K_7664R | -.0046 | .1396 | .2860 | 4994. | -12.42 | 464.9 | 977.1 | 57.18 |
| Mg2790R | -.0001 | .0635 | .1232 | 4975. | 22.14 | 527.8 | 1037. | 292400. |
| Mn2576 | .0007 | 15.03 | 29.31 | 213.2 | .0379 | 5.315 | 10.80 | .1204 |
| Na5895R | .0353 | .5292 | 1.038 | 4990. | -103.0 | 812.2 | 1918. | 385400. |
| Ni2316 | .0000 | 1.176 | 2.336 | 200.0 | -.2416 | 20.12 | 39.50 | -4.746 |
| Pb2203 | .0002 | .4544 | .8943 | 198.1 | -.0959 | 9.370 | 17.73 | -6.932 |
| Sb2068 | .0000 | .3096 | .6211 | 199.0 | 3.144 | 22.90 | 40.12 | -4.413 |
| Se1960 | .0002 | .1394 | .2772 | 198.6 | 1.485 | 22.96 | 39.06 | 1.307 |
| Ti1908 | -.0002 | .2354 | .4736 | 203.2 | .0392 | 19.88 | 40.57 | 1.111 |
| V_2924 | .0000 | 3.382 | 6.874 | 202.2 | .1338 | 20.40 | 40.32 | -.2127 |
| Zn2062 | .0021 | 2.660 | 5.052 | 204.6 | 1.786 | 19.58 | 40.19 | -1.423 |
| | | | | | | | | |
| Mo2020 | .0000 | 1.510 | 3.075 | 203.6 | .3084 | 10.48 | 21.16 | -2.453 |
| Ti3372 | .0000 | 9.926 | 19.96 | 206.1 | .0683 | 10.19 | 20.73 | 1.559 |
| B_2089 | .0002 | .8903 | 1.802 | 207.0 | 3.930 | F 13.35 | 21.60 | -.0756 |
| Si2881A | .0163 | .7124 | 1.417 | 4993. | .7889 | 505.0 | 987.2 | -3.670 |
| Si2881R | .0009 | .1150 | .2295 | 4959. | -4.952 | 497.6 | 990.1 | 14.85 |
| Sn1899 | .0001 | .3819 | .7499 | 201.1 | -.3232 | 9.671 | 20.40 | .4389 |
| Sr3464 | -.0002 | 2.552 | 5.063 | 198.9 | -.6439 | 9.838 | 20.26 | 1.086 |
| Y_2243-A | 17756. | 17891. | 17150. | 17602. | 17788. | 18058. | 17886. | 15394. |
| Y_3203-A | 37166. | 37589. | 36499. | 36528. | 36716. | 36534. | 37004. | 33872. |
| Y_3600-R | 19389. | 19265. | 19449. | 19235. | 18952. | 18734. | 19155. | 19025. |

9/20/11

SUMMARY- VERTICAL REPORT

| | PBW B19P30 | LCSW-1 B19P30 | LCSW-2 B19P30 | AN03637 | AN03637 MS | AN03637 SDL | AN03639 | AN03641 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 25 Sep 2011 15:10:31 | 25 Sep 2011 15:15:21 | 25 Sep 2011 15:20:01 | 25 Sep 2011 15:24:42 | 25 Sep 2011 15:29:36 | 25 Sep 2011 15:34:23 | 25 Sep 2011 15:39:16 | 25 Sep 2011 15:44:09 |
| Ag3280 | .5735 | 193.7 | 186.7 | .4444 | 210.5 | 194.3 | .1715 | .0079 |
| Al3961A | 33.14 | 4883. | 4703. | -30.78 | 5219. | 4956. | -24.83 | -28.77 |
| Al3961R | 37.60 | 5041. | 4930. | F -55.30 | 5010. | 4819. | -47.39 | F -53.81 |
| As1890 | .1100 | 191.5 | 192.3 | 5.671 | 206.5 | 197.4 | 3.544 | 2.123 |
| Ba4554R | -1.083 | 193.3 | 188.5 | 64.95 | 257.5 | 249.9 | 39.43 | 115.2 |
| Be3131R | -2106 | 196.3 | 193.5 | .4080 | 187.0 | 188.0 | .4550 | .4938 |
| Ca3179R | 32.93 | 5115. | 4995. | 132800. | 133600. | 133600. | 119900. | 161900. |
| Cd2265 | -3053 | 194.1 | 194.2 | -2407 | 187.6 | 191.3 | -2111 | -2707 |
| Co2286 | -.0377 | 194.1 | 192.8 | -.2644 | 184.9 | 188.3 | .5073 | .1254 |
| Cr2677 | -.4835 | 198.4 | 195.4 | 1.313 | 199.8 | 202.7 | 2.093 | 1.896 |
| Cu3247 | -.3189 | 193.5 | 189.1 | 1.155 | 197.0 | 189.3 | 3.736 | -.4286 |
| Fe2599A | 35.95 | 5167. | 4998. | 249.9 | 5432. | 5408. | 397.9 | 62.45 |
| Fe2599R | 35.61 | 5071. | 4967. | 246.3 | 5254. | 5281. | 387.1 | 55.60 |
| K_7664R | -4.976 | 5008. | 4860. | 117700. | 118800. | 111900. | 111300. | 137600. |
| Mg2790R | 46.49 | 5101. | 5034. | 353100. | 345600. | 346400. | 338000. | 370000. |
| Mn2576 | -1.693 | 204.5 | 199.9 | 106.7 | 312.3 | 310.0 | 174.7 | 1769. |
| Na5895R | -5.626 | 5034. | 4900. | F 2400000. | F 2290000. | F 2684000. | F 2296000. | F 2646000. |
| Ni2316 | -.5434 | 195.9 | 193.2 | 1.427 | 187.0 | 193.0 | 2.199 | .6236 |
| Pb2203 | -.8422 | 195.9 | 196.5 | 6.269 | 188.8 | 205.7 | 26.92 | 1.296 |
| Sb2068 | 2.067 | 190.1 | 192.3 | 3.009 | 192.1 | 179.0 | 2.369 | 1.731 |
| Se1960 | .5227 | 198.2 | 191.8 | -.5841 | 204.3 | 196.3 | -2.283 | 3.578 |
| Ti1908 | .9067 | 193.5 | 191.3 | -1.479 | 174.2 | 194.8 | -1.319 | -1.951 |
| V_2924 | .2085 | 195.5 | 190.6 | .0250 | 196.8 | 192.7 | -.0907 | -.3374 |
| Zn2062 | -1.277 | 199.0 | 200.3 | .5856 | 203.6 | 214.1 | 2.551 | -.9456 |
| | | | | | | | | |
| Mo2020 | .0452 | 194.0 | 190.5 | 3.244 | 189.3 | 191.0 | 3.139 | .3262 |
| Ti3372 | -.1418 | 199.5 | 195.2 | .3748 | 197.8 | 192.1 | -.1631 | .0828 |
| B_2089 | .1126 | 186.5 | 183.7 | 1278. | 1370. | 1385. | 1197. | 1542. |
| Si2881A | .1488 | F 180.1 | F 175.7 | 3795. | 3947. | 3786. | 3272. | 6917. |
| Si2881R | -6.814 | F 180.1 | F 185.0 | 3737. | 3862. | 3739. | 3169. | 6725. |
| Sn1899 | -.2300 | 193.9 | 192.2 | .9885 | 185.5 | 193.4 | .9985 | -.3780 |
| Sr3464 | -.9322 | 197.9 | 193.7 | 2183. | 2354. | 2366. | 2071. | 2457. |
| Y_2243-A | 18003. | 18098. | 18228. | 16004. | 17065. | 18545. | 16841. | 17515. |
| Y_3203-A | 37211. | 37065. | 37805. | 33306. | 33395. | 36498. | 33197. | 32908. |
| Y_3600-R | 19628. | 19242. | 19273. | 17958. | 17913. | 18286. | 17359. | 16486. |

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SUMMARY- VERTICAL REPORT

| | AN03643 / | AN03645 / | CCV | CCB | AN03647 / | AN03649 / | AN03651 / | AN03656 / |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 25 Sep 2011 15:49:07 | 25 Sep 2011 15:54:00 | 25 Sep 2011 15:58:53 | 25 Sep 2011 16:03:31 | 25 Sep 2011 16:08:20 | 25 Sep 2011 16:13:13 | 25 Sep 2011 16:18:11 | 25 Sep 2011 16:23:12 |
| Ag3280 | .4431 | .3818 | 191.9 | .1746 | .4826 | .1456 | .2685 | .1217 |
| Al3961A | -28.55 | -23.08 | 4446. | -.6930 | -24.30 | -28.43 | -11.61 | -28.94 |
| Al3961R | -25.37 | F -60.43 | 4893. | -2.218 | F -59.98 | F -66.98 | F -52.89 | F -51.40 |
| As1890 | .6442 | 1.358 | 206.0 | -.9562 | -.0623 | .3481 | .8477 | -1.147 |
| Ba4554R | 43.59 | 106.9 | 195.3 | .4145 | 49.96 | 117.1 | 157.7 | 113.9 |
| Be3131R | .3575 | .8288 | 189.2 | .0796 | .4283 | .5766 | .5826 | .8026 |
| Ca3179R | 119600. | 155900. | 5277. | -1.322 | 125600. | 158700. | 164800. | 161300. |
| Cd2265 | -.2100 | -.0383 | 210.5 | -.0881 | -.3462 | -.0233 | -.1673 | -.0621 |
| Co2286 | .4263 | .1056 | 196.8 | -.0903 | .4633 | .2048 | -.4321 | .0583 |
| Cr2677 | 2.074 | 2.632 | 224.3 | -.6956 | 2.420 | 2.187 | 2.625 | 1.796 |
| Cu3247 | .5549 | -.5906 | 195.2 | -.8883 | -.3332 | -.3637 | .1752 | -.1128 |
| Fe2599A | 324.6 | 244.2 | 5486. | -.5150 | 518.4 | 111.9 | 1617. | 61.23 |
| Fe2599R | 307.2 | 233.6 | 5204. | 2.444 | 504.8 | 105.0 | 1549. | 60.31 |
| K_7664R | 103200. | 144900. | 5260. | 36.63 | 126300. | 139400. | 153400. | 138900. |
| Mg2790R | 296800. | 416800. | 5461. | 40.32 | 353900. | 371100. | 408000. | 369200. |
| Mn2576 | 83.82 | 237.0 | 224.7 | -.2205 | 415.9 | 1144. | 192.4 | 1751. |
| Na5895R | F 2046000. | F 2500000. | F 6850. | 931.9 | F 2440000. | F 2450000. | F 2570000. | F 2354000. |
| Ni2316 | 2.602 | .6656 | 204.5 | -.6295 | .9188 | .3887 | 1.052 | .2555 |
| Pb2203 | 17.34 | 3.137 | 211.2 | 1.941 | 5.823 | -.5387 | 2.256 | -.5914 |
| Sb2068 | 6.224 | -.6947 | 193.3 | 3.053 | 2.330 | -1.302 | 6.452 | 2.428 |
| Se1960 | 1.490 | 3.173 | 211.3 | -1.229 | -.1281 | .5031 | 2.478 | 5.198 |
| Ti1908 | -.9678 | -2.599 | 198.7 | .1668 | -.9590 | -.7921 | -2.517 | -1.546 |
| V_2924 | 2.935 | .0963 | 205.1 | .0620 | .6025 | .4982 | 4.123 | -.0115 |
| Zn2062 | 6.922 | -.2460 | 235.2 | -.3306 | -.6072 | -.6570 | .6639 | -1.034 |
| | | | | | | | | |
| Mo2020 | 4.164 | .8918 | 197.1 | -.0820 | 2.308 | -.2785 | .8533 | -.7824 |
| Ti3372 | -.6525 | 1.538 | 201.5 | -.4836 | .6344 | .1265 | 3.078 | -.0050 |
| B_2089 | 1125. | 1528. | 187.6 | .8012 | 1454. | 1587. | 1726. | 1561. |
| Si2881A | 4767. | 5821. | 5089. | -4.215 | 4084. | 6687. | 7372. | 6808. |
| Si2881R | 4651. | 5672. | 5083. | -3.227 | 4066. | 6460. | 7192. | 6703. |
| Sn1899 | -.3505 | -.0677 | 214.2 | -1.091 | .5330 | -.4172 | 2.068 | -.4480 |
| Sr3464 | 1900. | 2677. | 212.3 | -.7732 | 2158. | 2470. | 2681. | 2425. |
| Y_2243-A | 18150. | 17702. | 20237. | 19783. | 16793. | 17219. | 17430. | 17283. |
| Y_3203-A | 34300. | 33548. | 38015. | 37741. | 33438. | 33197. | 33264. | 33861. |
| Y_3600-R | 16379. | 16108. | 17308. | 17619. | 16884. | 17211. | 16519. | 16905. |

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SUMMARY- VERTICAL REPORT *9/26/11*

| | AN03638 | AN03638 MS | AN03638 SDL | AN03640 | AN03642 | AN03644 | CCV | CCB |
|--------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 25 Sep 2011 16:28:11 | 25 Sep 2011 16:33:04 | 25 Sep 2011 16:37:50 | 25 Sep 2011 16:42:42 | 25 Sep 2011 16:47:35 | 25 Sep 2011 16:52:28 | 25 Sep 2011 16:57:21 | 25 Sep 2011 17:01:59 |
| Ag3280 | -4400 | 204.8 | 192.7 | -0039 | .1830 | .2003 | 196.9 | .1825 |
| Al3961A | 11.75 | 5082. | 4921. | 47.75 | -26.93 | -7.372 | 4530. | -4393 |
| Al3961R | 7.943 | 5058. | 5072. | 23.95 | F -54.21 | -13.62 | 4899. | 4.018 |
| As1890 | -1.494 | 210.3 | 205.0 | 3.151 | 1.025 | 2.540 | 200.1 | 1.602 |
| Ba4554R | 69.58 | 260.3 | 260.6 | 38.02 | 116.6 | 42.93 | 196.8 | .9239 |
| Be3131R | .6603 | 179.2 | 183.4 | .3535 | .6886 | .6726 | 189.0 | .1724 |
| Ca3179R | 138600. | 142500. | 141400. | 117700. | 166300. | 116400. | 5269. | -4.142 |
| Cd2265 | -.0487 | 203.4 | 199.8 | .1357 | -.0703 | .0914 | 209.2 | -.2126 |
| Co2286 | -.3057 | 187.5 | 189.6 | .2215 | -.4131 | -.1533 | 196.8 | .1332 |
| Cr2677 | 2.576 | 218.0 | 213.3 | 2.882 | 1.596 | 3.207 | 228.9 | .5211 |
| Cu3247 | 2.522 | 189.6 | 182.6 | 2.700 | -.3648 | 6.116 | 196.1 | -1.218 |
| Fe2599A | 308.9 | 5899. | 5774. | 418.8 | 57.61 | 406.8 | 5677. | -.4931 |
| Fe2599R | 288.6 | 5482. | 5420. | 397.0 | 52.89 | 376.7 | 5297. | .3726 |
| K_7664R | 122900. | 126900. | 116700. | 108200. | 142200. | 101200. | 5312. | -31.65 |
| Mg2790R | 371200. | 372200. | 367900. | 335800. | 383900. | 288200. | 5500. | 13.49 |
| Mn2576 | 123.4 | 342.4 | 335.4 | 128.6 | 1853. | 88.58 | 231.0 | -1823 |
| Na6896R | F 2370000. | F 2338000. | F 2766000. | F 2239000. | F 2540000. | F 1695000. | F 7220. | F 1205. |
| Ni2316 | 1.813 | 193.6 | 194.7 | 2.656 | .6018 | 2.773 | 206.0 | -.3929 |
| Pb2203 | 77.34 | 286.2 | 276.4 | 280.3 | 6.578 | 140.7 | 207.9 | 2.950 |
| Sb2068 | 3.100 | 181.5 | 195.5 | -.3416 | -1.628 | .4139 | 185.3 | 2.348 |
| Se1960 | 1.494 | 211.0 | 206.8 | .5220 | 2.761 | 2.655 | 209.2 | 1.427 |
| Ti1908 | -.1813 | 176.2 | 181.2 | -1.994 | -1.828 | -1.735 | 201.2 | -.1896 |
| V_2924 | -.3304 | 204.8 | 198.9 | .0322 | -.5570 | 3.962 | 210.0 | -.0955 |
| Zn2062 | 4.705 | 235.3 | 219.4 | 16.65 | -.7789 | 27.51 | 236.9 | -.0626 |
| | | | | | | | | |
| Mo2020 | 2.661 | 188.9 | 180.6 | 3.407 | -.3615 | 3.549 | 197.7 | -.1916 |
| Ti3372 | 1.330 | 198.8 | 192.4 | 2.069 | -.2673 | .1277 | 203.9 | -.3705 |
| B_2089 | 1213. | 1350. | 1372. | 1098. | 1549. | 1080. | 183.8 | .8802 |
| Si2881A | 4099. | 4335. | 4142. | 3133. | 6964. | 4840. | 5203. | -4.966 |
| Si2881R | 3977. | 4176. | 4005. | 3040. | 6833. | 4671. | 5064. | -3.325 |
| Sn1899 | .5736 | 205.8 | 197.9 | .7800 | .6532 | -.9419 | 216.5 | -.8663 |
| Sr3464 | 2383. | 2594. | 2548. | 2068. | 2534. | 1875. | 218.0 | -.7054 |
| Y_2243-A | 17963. | 18209. | 19167. | 17499. | 17695. | 18433. | 20150. | 20171. |
| Y_3203-A | 32917. | 32565. | 34940. | 33286. | 32960. | 33617. | 36853. | 37309. |
| Y_3600-R | 15208. | 14772. | 15685. | 16209. | 15699. | 15533. | 16687. | 17265. |

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SUMMARY- VERTICAL REPORT

| | AN03646 | AN03648 | AN03650 | AN03652 | AN03653 | AN03654 | AN03655 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 25 Sep 2011 17:06:49 | 25 Sep 2011 17:11:43 | 25 Sep 2011 17:16:36 | 25 Sep 2011 17:21:32 | 25 Sep 2011 17:26:24 | 25 Sep 2011 17:31:12 | 25 Sep 2011 17:36:01 |
| Ag3280 | .4026 | .1217 | .2967 | -.7097 | -.5415 | -.3725 | .2721 |
| Al3961A | 51.86 | -2.008 | 10.48 | 73.81 | -1.723 | 5.905 | -26.86 |
| Al3961R | 24.14 | -22.75 | -14.13 | 62.12 | 8.224 | 7.332 | -42.67 |
| As1890 | .9419 | 2.151 | 1.465 | .2932 | 1.279 | .1572 | 1.563 |
| Ba4554R | 101.1 | 46.22 | 116.6 | 151.3 | 1.365 | 1.531 | 115.6 |
| Be3131R | .6683 | .6206 | .7170 | .8220 | .0666 | .3288 | .8714 |
| Ca3179R | 150800. | 120900. | 161900. | 164000. | 10.59 | 184.4 | 162500. |
| Cd2265 | -.1259 | -.1738 | -.0546 | -.1312 | -.2087 | -.3065 | -.2941 |
| Co2286 | -.4223 | -.1393 | -.2195 | -.1885 | .2687 | -.0735 | -.3115 |
| Cr2677 | 2.713 | 3.586 | 1.818 | 4.223 | -.0643 | .0678 | 1.702 |
| Cu3247 | .4547 | .8106 | .2216 | .8516 | -.5196 | -.1218 | -.5825 |
| Fe2599A | 433.3 | 676.0 | 232.2 | 2283. | -1.601 | 12.17 | 56.72 |
| Fe2599R | 405.9 | 627.7 | 217.3 | 2121. | .9037 | 12.58 | 53.97 |
| K_7664R | 139500. | 123000. | 144000. | 151900. | 52.35 | 96.99 | 139300. |
| Mg2790R | 401800. | 344700. | 386200. | 408300. | 36.46 | 405.1 | 373100. |
| Mn2576 | 219.3 | 445.3 | 1102. | 201.0 | -.2114 | .2278 | 1820. |
| Na5895R | F 2614000. | F 2243000. | F 2628000. | F 2604000. | 2766. | 4594. | F 2519000. |
| Ni2316 | .6109 | 1.193 | .7758 | 1.191 | -.2250 | .1804 | .3928 |
| Pb2203 | 39.77 | 145.8 | 29.55 | 115.5 | -1.006 | .2143 | 4.661 |
| Sb2068 | .7626 | 1.206 | 1.622 | .9827 | .2958 | 2.355 | 1.175 |
| Se1960 | 1.997 | 2.506 | 3.281 | 2.957 | 3.476 | .3072 | 2.790 |
| Ti1908 | -.2944 | -2.062 | -2.416 | -2.693 | .2273 | 1.032 | -3.639 |
| V_2924 | -.1226 | .6187 | .0724 | 4.810 | -.1882 | -.2209 | -.2068 |
| Zn2062 | .3556 | .2287 | -.2178 | 2.393 | -1.419 | .9652 | -.5544 |
| | | | | | | | |
| Mo2020 | 1.667 | 2.394 | .3581 | 1.277 | -.0487 | -.1287 | -.3147 |
| Ti3372 | 3.835 | 1.269 | 1.215 | 6.060 | -.7086 | -.1622 | .1519 |
| B_2089 | 1475. | 1338. | 1554. | 1633. | -.6634 | .2552 | 1548. |
| Si2881A | 5698. | 3994. | 6935. | 7450. | -6.835 | 4.051 | 6855. |
| Si2881R | 5530. | 3865. | 6739. | 7242. | 1.625 | 13.36 | 6678. |
| Sn1899 | .2433 | .6164 | .1318 | .0931 | -1.030 | .5933 | -.1330 |
| Sr3464 | 2602. | 2157. | 2546. | 2709. | -.6228 | 1.437 | 2474. |
| Y_2243-A | 17566. | 18501. | 18157. | 18243. | 21100. | 20491. | 17815. |
| Y_3203-A | 33125. | 33490. | 33784. | 32860. | 37286. | 37996. | 34194. |
| Y_3600-R | 16387. | 15702. | 15776. | 14631. | 15800. | 16142. | 16513. |

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SUMMARY- VERTICAL REPORT

| | CCV | CCB | RL | 2RL | IOS |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 25 Sep 2011 17:40:59 | 25 Sep 2011 17:45:37 | 25 Sep 2011 17:50:28 | 25 Sep 2011 17:55:15 | 25 Sep 2011 18:00:02 |
| Ag3280 | 193.1 | .6050 | 5.299 | 10.26 | -.4367 |
| Al3961A | 4437. | -.3425 | 90.04 | 180.6 | 262300. |
| Al3961R | 4854. | -2.411 | 118.9 | 189.7 | 285000. |
| As1890 | 202.2 | -.4798 | 8.187 | 16.21 | 2.585 |
| Ba4554R | 195.4 | 1.173 | 98.86 | 198.6 | .8491 |
| Be3131R | 187.7 | .2103 | 2.981 | 5.860 | .3310 |
| Ca3179R | 5248. | -8.353 | 514.6 | 1026. | 292100. |
| Cd2265 | 210.3 | -.1365 | 3.034 | 6.062 | -1.256 |
| Co2286 | 195.9 | -.0716 | 20.13 | 40.47 | -.7817 |
| Cr2677 | 226.9 | .3263 | 5.505 | 11.28 | .0106 |
| Cu3247 | 194.5 | -.2611 | 9.525 | 20.09 | 2.977 |
| Fe2599A | 5557. | -.5777 | 55.75 | 108.5 | 241900. |
| Fe2599R | 5217. | 1.094 | 52.93 | 105.5 | 290500. |
| K_7664R | 5195. | -19.82 | 455.7 | 1000. | 8.187 |
| Mg2790R | 5486. | -1.814 | 566.3 | 1047. | 306600. |
| Mn2576 | 227.4 | -.1388 | 5.613 | 11.29 | .0978 |
| Na5895R | F 6800. | F 1082. | F 1836. | F 2706. | 302900. |
| Ni2316 | 204.3 | .2443 | 20.38 | 40.63 | -3.348 |
| Pb2203 | 210.1 | 1.410 | 8.194 | 15.83 | 4.576 |
| Sb2068 | 184.9 | .9649 | 17.10 | 38.91 | -5.441 |
| Se1960 | 209.0 | -1.875 | 19.37 | 44.48 | -2.331 |
| Ti1908 | 197.1 | .8768 | 19.08 | 39.76 | -.9452 |
| V_2924 | 206.7 | -.3282 | 20.30 | 41.36 | -.2955 |
| Zn2062 | 236.8 | -.1681 | 21.69 | 43.47 | -1.619 |
| | | | | | |
| Mo2020 | 195.2 | .1069 | 10.18 | 20.60 | -2.507 |
| Ti3372 | 201.2 | -.5418 | 9.870 | 20.34 | 1.186 |
| B_2089 | 184.9 | -.4920 | 9.162 | 19.81 | -1.363 |
| Si2881A | 5123. | -4.285 | 497.9 | 1004. | -11.94 |
| Si2881R | 5039. | 19.57 | 494.6 | 999.2 | -9.367 |
| Sn1899 | 216.3 | .6119 | 11.04 | 21.86 | 1.529 |
| Sr3464 | 214.8 | -.6164 | 9.830 | 21.02 | .2643 |
| Y_2243-A | 20893. | 20548. | 20267. | 19853. | 17667. |
| Y_3203-A | 38490. | 38050. | 37933. | 38131. | 35031. |
| Y_3600-R | 17341. | 17533. | 17588. | 18346. | 18158. |

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| | Pos ID | Type | SampleName | Comment | Instrument | Method | CorrFact | Check | Check Table | Fail Action |
|----|--------|------|---------------|-------------------------|------------|-----------|----------|-------------------------------------|-------------|-------------|
| 1 | 1 | QC | PBW B19P30 | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | PBW | None |
| 2 | 2 | QC | LCSW-1 B19P30 | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LCSW | None |
| 3 | 3 | QC | LCSW-2 B19P30 | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LCSW | None |
| 4 | 4 | Unk | AN03637 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 5 | 5 | Unk | AN03637 MS | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 6 | 6 | Unk | AN03637 SDL | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 5 | <input checked="" type="checkbox"/> | LDR | --- |
| 7 | 7 | Unk | AN03639 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 8 | 8 | Unk | AN03641 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 9 | 9 | Unk | AN03643 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 10 | 10 | Unk | AN03645 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 11 | 11 | Unk | AN03647 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 12 | 12 | Unk | AN03649 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 13 | 13 | Unk | AN03651 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 14 | 14 | Unk | AN03656 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 15 | 15 | Unk | AN03638 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 16 | 16 | Unk | AN03638 MS | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 17 | 17 | Unk | AN03638 SDL | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 5 | <input checked="" type="checkbox"/> | LDR | --- |
| 18 | 18 | Unk | AN03640 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 19 | 19 | Unk | AN03642 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 20 | 20 | Unk | AN03644 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 21 | 21 | Unk | AN03646 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 22 | 22 | Unk | AN03648 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 23 | 23 | Unk | AN03650 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 24 | 24 | Unk | AN03652 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 25 | 25 | Unk | AN03653 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 26 | 26 | Unk | AN03654 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 27 | 27 | Unk | AN03655 | JEWETT WHITE (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |

Sample Name: Blank Acquired: 9/25/2011 14:30:51 Type: Cal
Method: PT_MET(v104) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0008 | .0054 | .0016 | -.0001 | .0059 | .0010 | .0065 | .0002 | .0001 | .0001 | .0144 |
| Stddev | .0003 | .0003 | .0005 | .0000 | .0008 | .0003 | .0002 | .0001 | .0001 | .0001 | .0001 |
| %RSD | 36.37 | 4.705 | 32.84 | 12.09 | 14.00 | 29.21 | 3.073 | 73.43 | 100.4 | 95.73 | 1.015 |

| | | | | | | | | | | | |
|----|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| #1 | -.0005 | .0055 | .0017 | -.0002 | .0056 | .0013 | .0063 | .0002 | .0000 | .0001 | .0144 |
| #2 | -.0008 | .0057 | .0021 | -.0001 | .0053 | .0007 | .0067 | .0000 | .0001 | .0000 | .0143 |
| #3 | -.0011 | .0052 | .0010 | -.0001 | .0069 | .0009 | .0064 | .0002 | .0001 | .0001 | .0146 |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0016 | .0003 | -.0046 | -.0001 | .0007 | .0353 | .0000 | .0002 | .0000 | .0002 | -.0002 |
| Stddev | .0001 | .0003 | .0003 | .0003 | .0000 | .0009 | .0001 | .0002 | .0001 | .0001 | .0000 |
| %RSD | 4.604 | 123.1 | 7.282 | 301.5 | 5.081 | 2.617 | 281.7 | 116.1 | 149.5 | 66.29 | 13.23 |

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|----|-------|-------|--------|--------|-------|-------|--------|-------|-------|-------|--------|
| #1 | .0015 | .0001 | -.0047 | -.0004 | .0007 | .0360 | -.0001 | .0004 | .0000 | .0003 | -.0001 |
| #2 | .0016 | .0000 | -.0048 | .0001 | .0007 | .0355 | .0001 | .0000 | .0000 | .0002 | -.0002 |
| #3 | .0015 | .0006 | -.0042 | .0000 | .0007 | .0342 | .0000 | .0002 | .0001 | .0000 | -.0002 |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | .0021 | .0000 | .0000 | .0002 | .0163 | .0009 | -.0002 | .0001 |
| Stddev | .000 | .0001 | .0001 | .0007 | .0003 | .0002 | .0004 | .0002 | .0000 |
| %RSD | 1370. | 3.113 | 234.1 | 1688. | 145.7 | 1.190 | 45.88 | 105.1 | 36.38 |

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|----|--------|-------|-------|--------|--------|-------|-------|--------|-------|
| #1 | .0001 | .0020 | .0000 | .0006 | .0002 | .0165 | .0005 | -.0004 | .0001 |
| #2 | -.0002 | .0021 | .0001 | .0003 | -.0001 | .0161 | .0009 | -.0002 | .0002 |
| #3 | .0000 | .0022 | .0000 | -.0007 | .0004 | .0163 | .0014 | .0000 | .0001 |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17756. | 37166. | 19389. |
| Stddev | 305. | 293. | 244. |
| %RSD | 1.7173 | .78717 | 1.2590 |

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|----|--------|--------|--------|
| #1 | 17433. | 37035. | 19621. |
| #2 | 17797. | 37502. | 19413. |
| #3 | 18039. | 36963. | 19135. |

Sample Name: MID STD Acquired: 9/25/2011 14:35:39 Type: Cal
Method: PT_MET(v104) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .3752 | 2.329 | .2433 | .1833 | 10.61 | 9.300 | .5797 | 7.052 | 2.261 | .9488 | 4.436 |
| Stddev | .0012 | .009 | .0004 | .0004 | .02 | .034 | .0015 | .006 | .006 | .0067 | .025 |
| %RSD | .3142 | .4066 | .1678 | .2450 | .2026 | .3645 | .2612 | .0872 | .2779 | .7043 | .5620 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | .3753 | 2.340 | .2431 | .1836 | 10.60 | 9.318 | .5780 | 7.047 | 2.268 | .9494 | 4.465 |
| #2 | .3740 | 2.324 | .2437 | .1828 | 10.63 | 9.321 | .5802 | 7.051 | 2.257 | .9418 | 4.419 |
| #3 | .3764 | 2.323 | .2430 | .1835 | 10.60 | 9.261 | .5809 | 7.059 | 2.259 | .9552 | 4.425 |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.358 | .3361 | .1396 | .0635 | 15.03 | .5292 | 1.176 | .5106 | .3096 | .1394 | .2354 |
| Stddev | .014 | .0006 | .0013 | .0003 | .32 | .0002 | .002 | .0004 | .0027 | .0006 | .0009 |
| %RSD | .6042 | .1914 | .9507 | .4989 | 2.148 | .0464 | .2011 | .0835 | .8847 | .3961 | .3813 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 2.342 | .3360 | .1382 | .0631 | 14.87 | .5295 | 1.179 | .5108 | .3127 | .1399 | .2364 |
| #2 | 2.366 | .3368 | .1409 | .0636 | 14.81 | .5290 | 1.175 | .5102 | .3080 | .1388 | .2350 |
| #3 | 2.367 | .3355 | .1396 | .0638 | 15.40 | .5292 | 1.175 | .5109 | .3080 | .1395 | .2348 |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 3.382 | 2.660 | 1.510 | 9.926 | .8903 | .7124 | .1150 | 2.552 | .3819 |
| Stddev | .018 | .011 | .006 | .095 | .0058 | .0048 | .0007 | .010 | .0005 |
| %RSD | .5391 | .4285 | .4156 | .9519 | .6516 | .6765 | .6071 | .3844 | .1302 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.375 | 2.647 | 1.517 | 9.957 | .8969 | .7136 | .1147 | 2.543 | .3816 |
| #2 | 3.368 | 2.664 | 1.506 | 9.820 | .8862 | .7071 | .1145 | 2.551 | .3816 |
| #3 | 3.402 | 2.669 | 1.507 | 10.00 | .8877 | .7166 | .1158 | 2.563 | .3824 |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17891. | 37589. | 19265. |
| Stddev | 204. | 441. | 223. |
| %RSD | 1.1382 | 1.1743 | 1.1565 |

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|----|--------|--------|--------|
| #1 | 17663. | 37730. | 19466. |
| #2 | 17958. | 37942. | 19304. |
| #3 | 18053. | 37094. | 19025. |

Sample Name: HIGH STD Acquired: 9/25/2011 14:40:26 Type: Cal
Method: PT_MET(v104) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

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|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .7743 | 4.898 | .4893 | .3634 | 21.61 | 18.72 | 1.144 | 13.63 | 4.498 | 1.859 | 9.067 |
| Stddev | .0121 | .069 | .0024 | .0019 | .14 | .09 | .010 | .08 | .012 | .012 | .063 |
| %RSD | 1.558 | 1.402 | .4835 | .5320 | .6484 | .4666 | .8939 | .5767 | .2725 | .6203 | .6896 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | .7844 | 4.961 | .4876 | .3642 | 21.64 | 18.72 | 1.134 | 13.63 | 4.506 | 1.869 | 9.133 |
| #2 | .7775 | 4.907 | .4920 | .3612 | 21.73 | 18.81 | 1.154 | 13.55 | 4.483 | 1.862 | 9.062 |
| #3 | .7610 | 4.825 | .4882 | .3648 | 21.45 | 18.63 | 1.144 | 13.70 | 4.504 | 1.846 | 9.008 |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 4.718 | .6708 | .2860 | .1232 | 29.31 | 1.036 | 2.336 | .9930 | .6211 | .2772 | .4736 |
| Stddev | .031 | .0015 | .0009 | .0001 | .17 | .002 | .004 | .0046 | .0055 | .0006 | .0011 |
| %RSD | .6650 | .2168 | .3192 | .0649 | .5826 | .1569 | .1817 | .4619 | .8916 | .2048 | .2224 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 4.744 | .6721 | .2863 | .1231 | 29.47 | 1.038 | 2.341 | .9931 | .6217 | .2774 | .4748 |
| #2 | 4.728 | .6692 | .2867 | .1232 | 29.33 | 1.035 | 2.335 | .9884 | .6152 | .2777 | .4729 |
| #3 | 4.683 | .6711 | .2849 | .1233 | 29.13 | 1.036 | 2.333 | .9976 | .6263 | .2766 | .4730 |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 6.874 | 5.052 | 3.075 | 19.96 | 1.802 | 1.417 | .2295 | 5.063 | .7499 |
| Stddev | .090 | .020 | .007 | .27 | .009 | .014 | .0027 | .025 | .0012 |
| %RSD | 1.307 | .3883 | .2404 | 1.354 | .5113 | 1.018 | 1.186 | .4888 | .1661 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 6.949 | 5.061 | 3.084 | 20.20 | 1.806 | 1.430 | .2266 | 5.080 | .7513 |
| #2 | 6.899 | 5.030 | 3.072 | 20.01 | 1.791 | 1.420 | .2320 | 5.074 | .7489 |
| #3 | 6.774 | 5.066 | 3.070 | 19.67 | 1.808 | 1.402 | .2300 | 5.034 | .7495 |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17150. | 36499. | 19449. |
| Stddev | 189. | 455. | 29. |
| %RSD | 1.1005 | 1.2461 | .15025 |

| | | | |
|----|--------|--------|--------|
| #1 | 16946. | 36155. | 19482. |
| #2 | 17318. | 36327. | 19427. |
| #3 | 17184. | 37014. | 19437. |

| Element, Wavelength and Order | Date of Fit | Date of Cal. | Type of Fit | Weighting | A0 | A1 | A2 | n (Exponent) | Correlation | Std Error of Est | MDL | MQL |
|-------------------------------------|--------------------|--------------------|----------------|-----------|-----------|----------|----------|--------------|-------------|---------------------|----------|-----------|
| Ag 328.068 (103) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | -0.000804 | 0.000768 | 0.000000 | 1.000000 | 0.999900 | 0.547571 | 1.642714 | 5.475713 |
| Al 396.152 (85) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.005408 | 0.000472 | 0.000000 | 1.000000 | 0.999712 | 2.998296 | 8.994888 | 29.982959 |
| Al 396.152 (85)2 | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.001605 | 0.000047 | 0.000000 | 1.000000 | 0.999991 | 0.536312 | 1.608937 | 5.363125 |
| As 189.042 (478) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | -0.000146 | 0.000036 | 0.000000 | 1.000000 | 0.999991 | 0.532524 | 1.597571 | 5.325235 |
| Ba 455.403 (74) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.005874 | 0.002147 | 0.000000 | 1.000000 | 0.999963 | 1.051761 | 3.155282 | 10.517608 |
| Be 313.107 (108) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000938 | 0.001867 | 0.000000 | 1.000000 | 0.999995 | 0.379852 | 1.139557 | 3.798524 |
| Ca 317.933 (106) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.006492 | 0.000114 | 0.000000 | 1.000000 | 0.999993 | 0.462743 | 1.388230 | 4.627433 |
| Cd 226.502 (448) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000245 | 0.001379 | 0.000000 | 1.000000 | 0.999867 | 1.998295 | 5.994886 | 19.982954 |
| Co 228.616 (447) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000069 | 0.000450 | 0.000000 | 1.000000 | 0.999997 | 0.321194 | 0.963583 | 3.211943 |
| Cr 267.716 (126) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000070 | 0.000187 | 0.000000 | 1.000000 | 0.999953 | 1.186533 | 3.559600 | 11.865333 |
| Cu 324.754 (104) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.014381 | 0.000901 | 0.000000 | 1.000000 | 0.999940 | 1.340583 | 4.021748 | 13.405827 |
| Fe 259.940 (130) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.001556 | 0.000472 | 0.000000 | 1.000000 | 1.000000 | 0.044553 | 0.133660 | 0.445532 |
| Fe 259.940 (130)2 | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000262 | 0.000067 | 0.000000 | 1.000000 | 1.000000 | 0.098514 | 0.295541 | 0.985138 |
| K 766.490 (44) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | -0.004552 | 0.000029 | 0.000000 | 1.000000 | 0.999993 | 0.459557 | 1.378670 | 4.595566 |
| Mg 279.079 (121) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | -0.000084 | 0.000013 | 0.000000 | 1.000000 | 0.995892 | 1.778399 | 5.335196 | 17.783988 |
| Mn 257.610 (131) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000822 | 0.002956 | 0.000000 | 1.000000 | 0.999931 | 1.442597 | 4.327791 | 14.425968 |
| Na 589.592 (57) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.035266 | 0.000100 | 0.000000 | 1.000000 | 0.999981 | 0.757776 | 2.273329 | 7.577764 |
| Ni 231.604 (445) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000030 | 0.000234 | 0.000000 | 1.000000 | 0.999994 | 0.407651 | 1.222952 | 4.076505 |
| Pb 220.353 (453) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000188 | 0.000100 | 0.000000 | 1.000000 | 0.999913 | 1.616267 | 4.848801 | 16.162670 |
| Sb 206.833 (463) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000034 | 0.000063 | 0.000000 | 1.000000 | 0.999999 | 0.182878 | 0.548635 | 1.828784 |
| Se 196.090 (472) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000169 | 0.000028 | 0.000000 | 1.000000 | 0.999997 | 0.299423 | 0.898268 | 2.994228 |
| Ti 190.856 (477) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | -0.000169 | 0.000047 | 0.000000 | 1.000000 | 0.999997 | 0.314397 | 0.943192 | 3.143974 |
| V 292.402 (115) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | -0.000029 | 0.000684 | 0.000000 | 1.000000 | 0.999971 | 0.930399 | 2.791198 | 9.303993 |
| Zn 206.200 (463) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.002130 | 0.000514 | 0.000000 | 1.000000 | 0.999703 | 2.983190 | 8.949569 | 29.831898 |
| Mo 202.030 (467) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000024 | 0.000306 | 0.000000 | 1.000000 | 0.999964 | 1.036568 | 3.109705 | 10.365684 |
| Ti 337.280 (100) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000022 | 0.001993 | 0.000000 | 1.000000 | 0.999997 | 0.310458 | 0.931375 | 3.104583 |
| B 208.959 (461) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000170 | 0.000171 | 0.000000 | 1.000000 | 0.999984 | 0.724968 | 2.174903 | 7.249678 |
| Si 288.158 (117) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.016306 | 0.000139 | 0.000000 | 1.000000 | 0.999996 | 0.367149 | 1.101446 | 3.671487 |
| Si 288.158 (117)2 | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000933 | 0.000023 | 0.000000 | 1.000000 | 1.000000 | 0.110668 | 0.332005 | 1.106684 |
| Sr 346.446 (97) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | -0.000185 | 0.000508 | 0.000000 | 1.000000 | 0.999992 | 0.479934 | 1.439802 | 4.799341 |
| Sn 189.989 (477) | 9/25/2011 14:45:36 | 9/25/2011 14:45:36 | Linear | 1/Conc | 0.000118 | 0.000075 | 0.000000 | 1.000000 | 0.999963 | 1.050644 | 3.151933 | 10.506442 |
| Y 224.306 (450)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 111.803399 | 0.000000 | 0.000000 |
| Y 320.332 (105)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Y 360.073 (94)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 111.803399 | 0.000000 | 0.000000 |

Sample Name: ICV Acquired: 9/25/2011 14:45:43 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.1 | 4806. | 4903. | 196.5 | 199.2 | 197.5 | 5036. | 198.5 | 196.3 | 208.6 | 212.0 |
| Stddev | 2.0 | 15. | 33. | .9 | 1.7 | 1.9 | 23. | .6 | 1.2 | 3.5 | 1.0 |
| %RSD | 1.010 | .3104 | .6722 | .4613 | .8724 | .9824 | .4529 | .2786 | .5998 | 1.684 | .4740 |
| #1 | 195.1 | 4789. | 4920. | 197.5 | 200.8 | 198.8 | 5040. | 197.9 | 197.1 | 204.5 | 213.0 |
| #2 | 197.0 | 4814. | 4865. | 195.9 | 197.3 | 198.4 | 5011. | 199.0 | 197.0 | 210.6 | 212.0 |
| #3 | 199.1 | 4815. | 4924. | 196.1 | 199.5 | 195.2 | 5056. | 198.5 | 195.0 | 210.6 | 211.0 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5147. | 5041. | 4994. | 4975. | 213.2 | 4990. | 200.0 | 198.1 | 199.0 | 198.6 | 203.2 |
| Stddev | 83. | 52. | 34. | 55. | 2.4 | 10. | .7 | 1.8 | 2.6 | 2.8 | 1.5 |
| %RSD | 1.606 | 1.026 | .6790 | 1.103 | 1.148 | .2004 | .3743 | .9043 | 1.289 | 1.414 | .7251 |
| #1 | 5056. | 4994. | 5029. | 4945. | 210.5 | 4995. | 200.2 | 198.7 | 197.6 | 201.5 | 204.8 |
| #2 | 5167. | 5096. | 4961. | 5038. | 214.0 | 4996. | 200.7 | 196.1 | 202.0 | 195.9 | 203.0 |
| #3 | 5218. | 5032. | 4990. | 4942. | 215.2 | 4978. | 199.2 | 199.5 | 197.4 | 198.4 | 201.9 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.2 | 204.6 | 203.6 | 206.1 | 207.0 | 4993. | 4959. | 198.9 | 201.1 |
| Stddev | 1.7 | 2.4 | .4 | .5 | 2.0 | 68. | 16. | 2.4 | .6 |
| %RSD | .8534 | 1.188 | .2183 | .2494 | .9842 | 1.352 | .3201 | 1.223 | .2948 |
| #1 | 200.7 | 201.8 | 204.0 | 205.9 | 208.9 | 4925. | 4969. | 196.3 | 200.6 |
| #2 | 201.8 | 206.0 | 203.7 | 205.8 | 207.3 | 4995. | 4968. | 199.2 | 201.0 |
| #3 | 204.1 | 206.1 | 203.2 | 206.7 | 204.9 | 5060. | 4941. | 201.1 | 201.8 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17602. | 36528. | 19235. |
| Stddev | 40. | 190. | 50. |
| %RSD | .22750 | .51912 | .26138 |
| #1 | 17630. | 36724. | 19275. |
| #2 | 17556. | 36514. | 19251. |
| #3 | 17619. | 36346. | 19179. |

Sample Name: ICB Acquired: 9/25/2011 14:50:28 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6202 | .0570 | -9.935 | .8605 | .3961 | .1157 | -5.532 | -.0113 | .1070 | .0607 | -.3665 |
| Stddev | .4608 | 1.095 | 7.190 | 2.270 | .1519 | .2021 | 1.436 | .1657 | .2381 | .4539 | .1976 |
| %RSD | 74.29 | 1921. | 72.37 | 263.8 | 38.35 | 174.7 | 25.96 | 1467. | 222.5 | 747.3 | 53.91 |
| #1 | .1378 | -.2945 | -14.01 | -1.279 | .2654 | .3167 | -4.518 | .0211 | .3368 | .4670 | -.3275 |
| #2 | .6673 | 1.285 | -14.16 | 3.242 | .3602 | -.0875 | -4.902 | -.1908 | -.1386 | .1444 | -.1913 |
| #3 | 1.056 | -.8192 | -1.634 | .6183 | .5628 | .1179 | -7.175 | .1358 | .1228 | -.4292 | -.5807 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7828 | 1.401 | -12.42 | 22.14 | .0379 | -103.0 | -.2416 | -.0959 | 3.144 | 1.485 | .0392 |
| Stddev | .1614 | 1.818 | 28.34 | 19.92 | .0340 | 5.8 | .1882 | 1.820 | 3.604 | 1.416 | 1.271 |
| %RSD | 20.62 | 129.8 | 228.2 | 90.00 | 89.62 | 5.616 | 77.90 | 1897. | 114.6 | 95.33 | 3245. |
| #1 | -.6537 | 1.820 | .4511 | 17.59 | .0005 | -108.4 | -.3560 | -1.686 | -.9217 | -.0946 | 1.281 |
| #2 | -.7310 | -.5901 | 7.200 | 4.880 | .0670 | -103.7 | -.0244 | -.4901 | 4.406 | 2.639 | -1.259 |
| #3 | -.9638 | 2.972 | -44.91 | 43.94 | .0463 | -96.88 | -.3445 | 1.889 | 5.947 | 1.910 | .0951 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1338 | 1.786 | .3084 | .0683 | 3.930 | .7889 | -4.952 | -.6439 | -.3232 |
| Stddev | .1389 | .219 | .2920 | .2150 | .814 | 2.018 | 5.505 | .2495 | .7520 |
| %RSD | 103.8 | 12.28 | 94.69 | 314.9 | 20.72 | 255.8 | 111.2 | 38.75 | 232.7 |
| #1 | -.0078 | 1.664 | .1402 | -.1600 | 3.184 | 1.073 | -6.266 | -.4189 | -1.159 |
| #2 | .2699 | 2.039 | .1394 | .2668 | 4.798 | -1.356 | 1.091 | -.6006 | -.1102 |
| #3 | .1393 | 1.654 | .6456 | .0979 | 3.808 | 2.650 | -9.680 | -.9121 | .2993 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17788. | 36716. | 18952. |
| Stddev | 148. | 548. | 315. |
| %RSD | .83195 | 1.4925 | 1.6607 |
| #1 | 17645. | 36162. | 19315. |
| #2 | 17940. | 37258. | 18756. |
| #3 | 17778. | 36729. | 18786. |

Sample Name: RL Acquired: 9/25/2011 14:55:20 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.364 | 93.58 | 97.38 | 8.687 | 101.2 | 2.864 | 506.1 | 2.869 | 20.20 | 5.574 | 10.29 |
| Stddev | .236 | 1.99 | 7.82 | .765 | .4 | .190 | 4.1 | .033 | .32 | .242 | .33 |
| %RSD | 4.407 | 2.131 | 8.033 | 8.812 | .4384 | 6.626 | .8170 | 1.158 | 1.586 | 4.336 | 3.251 |
| #1 | 5.637 | 95.72 | 89.41 | 7.856 | 101.8 | 2.751 | 509.5 | 2.836 | 20.50 | 5.744 | 10.67 |
| #2 | 5.224 | 93.27 | 97.68 | 9.364 | 101.0 | 3.083 | 501.5 | 2.903 | 20.23 | 5.297 | 10.09 |
| #3 | 5.232 | 91.77 | 105.0 | 8.840 | 101.0 | 2.758 | 507.3 | 2.867 | 19.86 | 5.680 | 10.10 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 52.83 | 54.54 | 464.9 | 527.8 | 5.315 | 912.2 | 20.12 | 9.370 | 22.90 | 22.96 | 19.88 |
| Stddev | .28 | 1.89 | 5.6 | 17.3 | .085 | 14.1 | .55 | 1.417 | 2.61 | 3.39 | .22 |
| %RSD | .5244 | 3.462 | 1.202 | 3.267 | 1.603 | 1.546 | 2.728 | 15.13 | 11.38 | 14.75 | 1.105 |
| #1 | 52.78 | 56.67 | 458.5 | 538.0 | 5.247 | 927.1 | 19.50 | 8.557 | 19.99 | 26.42 | 20.05 |
| #2 | 52.57 | 53.06 | 467.7 | 537.6 | 5.410 | 910.5 | 20.54 | 11.01 | 25.03 | 22.82 | 19.96 |
| #3 | 53.12 | 53.90 | 468.5 | 507.9 | 5.287 | 899.1 | 20.32 | 8.546 | 23.69 | 19.65 | 19.63 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.40 | 19.58 | 10.48 | 10.19 | F 13.35 | 505.0 | 497.6 | 9.838 | 9.671 |
| Stddev | .13 | .20 | .36 | .18 | .85 | 3.5 | 7.4 | 1.020 | .528 |
| %RSD | .6224 | .9966 | 3.481 | 1.751 | 6.388 | .6986 | 1.485 | 10.37 | 5.456 |
| #1 | 20.55 | 19.36 | 10.10 | 10.16 | 12.87 | 508.5 | 489.9 | 9.916 | 10.08 |
| #2 | 20.32 | 19.64 | 10.51 | 10.38 | 12.84 | 505.1 | 498.2 | 10.82 | 9.862 |
| #3 | 20.34 | 19.74 | 10.83 | 10.03 | 14.33 | 501.5 | 504.6 | 8.782 | 9.075 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | 10.00 | | | | |
| Range | | | | | 30.00% | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18058. | 36534. | 18734. |
| Stddev | 171. | 231. | 237. |
| %RSD | .94549 | .63097 | 1.2666 |
| #1 | 17872. | 36320. | 18996. |
| #2 | 18095. | 36778. | 18674. |
| #3 | 18207. | 36505. | 18533. |

Sample Name: 2RL Acquired: 9/25/2011 15:00:09 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.43 | 189.1 | 176.9 | 20.08 | 200.1 | 6.164 | 1004. | 5.843 | 40.50 | 10.68 | 21.02 |
| Stddev | .19 | .4 | 10.2 | 1.98 | 2.3 | .070 | 7. | .200 | .17 | .49 | .43 |
| %RSD | 1.862 | .2312 | 5.771 | 9.876 | 1.136 | 1.140 | .7409 | 3.416 | .4318 | 4.544 | 2.033 |
| #1 | 10.34 | 189.2 | 167.9 | 18.18 | 202.1 | 6.218 | 1011. | 5.615 | 40.62 | 11.23 | 20.59 |
| #2 | 10.29 | 189.5 | 174.9 | 22.14 | 200.6 | 6.084 | 1006. | 5.985 | 40.30 | 10.33 | 21.03 |
| #3 | 10.65 | 188.6 | 188.0 | 19.93 | 197.6 | 6.188 | 996.1 | 5.928 | 40.58 | 10.48 | 21.44 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 103.3 | 104.4 | 977.1 | 1037. | 10.80 | 1919. | 39.50 | 17.73 | 40.12 | 39.06 | 40.57 |
| Stddev | 1.1 | 1.9 | 16.0 | 16. | .07 | 7. | .66 | 1.02 | 2.78 | 1.08 | .54 |
| %RSD | 1.063 | 1.855 | 1.634 | 1.588 | .6764 | .3790 | 1.678 | 5.775 | 6.935 | 2.765 | 1.325 |
| #1 | 102.4 | 106.5 | 966.1 | 1038. | 10.79 | 1926. | 38.95 | 17.07 | 43.13 | 39.25 | 40.46 |
| #2 | 102.9 | 103.9 | 995.4 | 1020. | 10.73 | 1919. | 40.24 | 18.91 | 39.62 | 40.04 | 41.16 |
| #3 | 104.5 | 102.8 | 969.7 | 1053. | 10.87 | 1912. | 39.32 | 17.21 | 37.63 | 37.90 | 40.10 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40.32 | 40.19 | 21.16 | 20.73 | 21.60 | 987.2 | 990.1 | 20.26 | 20.40 |
| Stddev | .19 | .43 | .44 | .22 | 1.10 | 5.0 | 3.9 | .41 | .32 |
| %RSD | .4665 | 1.069 | 2.065 | 1.077 | 5.071 | .5048 | .3924 | 2.009 | 1.560 |
| #1 | 40.16 | 39.79 | 21.03 | 20.93 | 22.44 | 981.8 | 994.6 | 20.15 | 20.13 |
| #2 | 40.53 | 40.65 | 20.79 | 20.49 | 21.99 | 988.0 | 987.8 | 20.71 | 20.32 |
| #3 | 40.29 | 40.14 | 21.64 | 20.77 | 20.36 | 991.7 | 988.0 | 19.92 | 20.75 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17886. | 37004. | 19155. |
| Stddev | 132. | 166. | 105. |
| %RSD | .73804 | .44885 | .54917 |
| #1 | 17798. | 36816. | 19162. |
| #2 | 18038. | 37132. | 19257. |
| #3 | 17822. | 37064. | 19047. |

Sample Name: IOS Acquired: 9/25/2011 15:04:58 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3116 | 266700. | 287500. | -.8280 | .4009 | .3298 | 286200. | 1.739 | -.8783 | -.8459 | 3.135 |
| Stddev | .8231 | 901. | 3082. | 3.319 | .2654 | .0953 | 1905. | .214 | .1342 | .0410 | .213 |
| %RSD | 264.2 | .3377 | 1.072 | 400.8 | 66.20 | 28.90 | .6658 | 12.30 | 15.28 | 4.844 | 6.793 |

| | | | | | | | | | | | |
|----|--------|---------|---------|--------|-------|-------|---------|-------|--------|--------|-------|
| #1 | .6493 | 266300. | 290700. | -4.494 | .7023 | .2817 | 286700. | 1.932 | -.9677 | -.8008 | 3.341 |
| #2 | -.6267 | 267700. | 287200. | .0394 | .2984 | .2682 | 284100. | 1.509 | -.9432 | -.8561 | 3.149 |
| #3 | .9122 | 266000. | 284500. | 1.971 | .2021 | .4396 | 287800. | 1.776 | -.7240 | -.8809 | 2.916 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 216300. | 280900. | 57.18 | 292400. | .1204 | 305400. | -4.746 | -6.932 | -4.413 | 1.307 | 1.111 |
| Stddev | 2257. | 156. | 44.23 | 557. | .0474 | 1447. | .720 | 1.996 | 1.357 | 2.633 | 1.380 |
| %RSD | 1.044 | .0556 | 77.35 | .1906 | 39.37 | .4736 | 15.17 | 28.80 | 30.75 | 201.4 | 124.2 |

| | | | | | | | | | | | |
|----|---------|---------|-------|---------|-------|---------|--------|--------|--------|--------|--------|
| #1 | 216400. | 281100. | 103.7 | 292800. | .0762 | 307000. | -3.963 | -4.768 | -2.953 | 1.731 | 1.286 |
| #2 | 218500. | 280800. | 15.62 | 292600. | .1705 | 305200. | -5.381 | -8.701 | -4.650 | -1.512 | -.3481 |
| #3 | 213900. | 280900. | 52.25 | 291700. | .1146 | 304100. | -4.894 | -7.328 | -5.636 | 3.703 | 2.395 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2127 | -1.423 | -2.453 | 1.559 | -.0756 | -3.670 | 14.85 | 1.086 | .4389 |
| Stddev | .1602 | .152 | .590 | .100 | 1.784 | 2.720 | 9.83 | .100 | .4297 |
| %RSD | 75.31 | 10.64 | 24.05 | 6.383 | 2362. | 74.12 | 66.17 | 9.206 | 97.92 |

| | | | | | | | | | |
|----|--------|--------|--------|-------|--------|--------|-------|-------|-------|
| #1 | -.3867 | -1.570 | -1.782 | 1.630 | .6722 | -.7761 | 3.656 | 1.118 | .1884 |
| #2 | -.1799 | -1.432 | -2.890 | 1.601 | -2.112 | -6.175 | 22.06 | 1.167 | .1931 |
| #3 | -.0715 | -1.268 | -2.688 | 1.445 | 1.213 | -4.059 | 18.84 | .9744 | .9351 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 15394. | 33872. | 19025. |
| Stddev | 118. | 284. | 123. |
| %RSD | .76860 | .83731 | .64674 |

| | | | |
|----|--------|--------|--------|
| #1 | 15258. | 34008. | 18886. |
| #2 | 15468. | 33546. | 19068. |
| #3 | 15457. | 34062. | 19121. |

Sample Name: PBW B19P30 Acquired: 9/25/2011 15:10:31 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .5735 | 33.14 | 37.60 | .1100 | -.1063 | -.2106 | 32.93 | -.3053 | -.0377 | -.4835 | -.3189 |
| Stddev | .2988 | 4.25 | 18.64 | 3.526 | .2002 | .0374 | 6.35 | .1068 | .2385 | .2059 | .2253 |
| %RSD | 52.09 | 12.82 | 49.58 | 3205. | 188.3 | 17.78 | 19.30 | 34.99 | 632.1 | 42.58 | 70.65 |
| #1 | .3205 | 37.67 | 52.25 | 3.546 | -.2080 | -.1829 | 38.92 | -.3345 | -.2482 | -.2769 | -.5386 |
| #2 | .4969 | 32.50 | 43.94 | -3.499 | -.2353 | -.2532 | 33.60 | -.1869 | -.0864 | -.6887 | -.3298 |
| #3 | .9031 | 29.24 | 16.62 | .2831 | .1243 | -.1957 | 26.26 | -.3944 | .2214 | -.4849 | -.0884 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 35.95 | 35.61 | -4.976 | 46.49 | -.1693 | -5.626 | -.5434 | -.8422 | 2.067 | .5227 | .9067 |
| Stddev | 4.74 | 1.82 | 31.73 | 13.47 | .0587 | 15.06 | .1415 | 1.683 | 3.292 | 3.157 | .8819 |
| %RSD | 13.19 | 5.103 | 637.7 | 28.97 | 34.69 | 267.7 | 26.05 | 199.9 | 159.2 | 604.1 | 97.27 |
| #1 | 40.32 | 37.32 | 27.98 | 56.48 | -.2241 | 11.76 | -.6586 | -1.142 | 3.130 | 2.317 | -.0078 |
| #2 | 36.61 | 35.80 | -7.594 | 31.17 | -.1073 | -14.87 | -.5861 | .9707 | 4.697 | 2.374 | 1.752 |
| #3 | 30.91 | 33.70 | -35.32 | 51.82 | -.1765 | -13.76 | -.3854 | -2.355 | -1.625 | -3.123 | .9758 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2085 | -1.277 | .0452 | -.1418 | .1126 | .1488 | -6.814 | -.9322 | -.2300 |
| Stddev | .1256 | .233 | .2084 | .1221 | .9039 | .6764 | 8.126 | .4458 | 1.699 |
| %RSD | 60.26 | 18.21 | 461.5 | 86.13 | 802.6 | 454.5 | 119.3 | 47.83 | 738.7 |
| #1 | .1014 | -1.541 | .2766 | -.0369 | .2748 | -.4164 | -12.52 | -1.069 | .4640 |
| #2 | .3468 | -1.104 | -.1277 | -.1125 | -.8614 | -.0354 | 2.491 | -1.294 | 1.012 |
| #3 | .1772 | -1.186 | -.0135 | -.2758 | .9245 | .8983 | -10.42 | -.4340 | -2.166 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18003. | 37211. | 19628. |
| Stddev | 140. | 429. | 251. |
| %RSD | .77784 | 1.1528 | 1.2777 |
| #1 | 17854. | 36770. | 19570. |
| #2 | 18023. | 37235. | 19411. |
| #3 | 18132. | 37627. | 19902. |

Sample Name: LCSW-1 B19P30 Acquired: 9/25/2011 15:15:21 Type: QC

Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.7 | 4883. | 5041. | 191.5 | 193.3 | 196.3 | 5115. | 194.1 | 194.1 | 198.4 | 193.5 |
| Stddev | 1.7 | 52. | 29. | 3.6 | .1 | .6 | 44. | 1.4 | .7 | .5 | 1.8 |
| %RSD | .8585 | 1.067 | .5687 | 1.870 | .0771 | .2810 | .8605 | .7115 | .3646 | .2447 | .9554 |
| #1 | 194.3 | 4931. | 5057. | 195.5 | 193.1 | 196.8 | 5068. | 192.5 | 194.0 | 198.3 | 195.0 |
| #2 | 191.9 | 4828. | 5058. | 188.9 | 193.2 | 196.3 | 5156. | 194.9 | 194.9 | 198.0 | 191.4 |
| #3 | 195.1 | 4890. | 5008. | 190.0 | 193.4 | 195.7 | 5121. | 194.9 | 193.6 | 198.9 | 194.0 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5167. | 5071. | 5008. | 5101. | 204.5 | 5034. | 195.9 | 195.9 | 190.1 | 198.2 | 193.5 |
| Stddev | 68. | 2. | 24. | 37. | 2.4 | 21. | .5 | .9 | 3.8 | .7 | 1.5 |
| %RSD | 1.319 | .0383 | .4813 | .7205 | 1.159 | .4262 | .2302 | .4748 | 2.013 | .3613 | .7894 |
| #1 | 5091. | 5069. | 5032. | 5081. | 201.8 | 5051. | 196.5 | 195.5 | 186.0 | 198.9 | 191.8 |
| #2 | 5184. | 5072. | 5006. | 5079. | 205.1 | 5040. | 195.8 | 196.9 | 193.6 | 197.5 | 194.1 |
| #3 | 5224. | 5072. | 4984. | 5144. | 206.4 | 5010. | 195.6 | 195.2 | 190.8 | 198.4 | 194.7 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 195.5 | 199.0 | 194.0 | 199.5 | 186.5 | F 180.1 | F 180.1 | 197.9 | 193.9 |
| Stddev | 1.2 | 1.5 | 1.3 | .6 | 1.0 | 5.0 | 2.2 | 1.5 | 1.8 |
| %RSD | .6127 | .7731 | .6854 | .2930 | .5120 | 2.769 | 1.219 | .7749 | .9188 |
| #1 | 194.4 | 197.3 | 195.5 | 200.0 | 187.5 | 181.9 | 182.3 | 196.1 | 192.0 |
| #2 | 195.2 | 200.3 | 193.3 | 198.9 | 185.6 | 174.5 | 180.0 | 198.6 | 194.3 |
| #3 | 196.8 | 199.4 | 193.1 | 199.5 | 186.3 | 184.0 | 177.9 | 198.9 | 195.5 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Fail | Chk Pass | Chk Pass |
| Value | | | | | | 5000. | 5000. | | |
| Range | | | | | | -20.00% | -20.00% | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18098. | 37065. | 19242. |
| Stddev | 39. | 240. | 192. |
| %RSD | .21384 | .64845 | .99880 |
| #1 | 18057. | 37242. | 19427. |
| #2 | 18134. | 37162. | 19043. |
| #3 | 18103. | 36791. | 19256. |

Sample Name: LCSW-2 B19P30 Acquired: 9/25/2011 15:20:01 Type: QC

Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 186.7 | 4703. | 4930. | 192.3 | 188.5 | 193.5 | 4995. | 194.2 | 192.8 | 195.4 | 189.1 |
| Stddev | 1.0 | 33. | 47. | 2.6 | .2 | .1 | 63. | .7 | .4 | 1.3 | 1.0 |
| %RSD | .5374 | .6953 | .9435 | 1.349 | .1009 | .0669 | 1.264 | .3659 | .2263 | .6715 | .5470 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 187.6 | 4740. | 4882. | 190.7 | 188.3 | 193.4 | 4922. | 193.5 | 192.5 | 193.9 | 190.2 |
| #2 | 186.9 | 4687. | 4932. | 191.0 | 188.7 | 193.6 | 5036. | 195.0 | 192.6 | 196.5 | 189.0 |
| #3 | 185.6 | 4681. | 4975. | 195.3 | 188.5 | 193.5 | 5026. | 194.3 | 193.3 | 195.7 | 188.2 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4998. | 4967. | 4860. | 5034. | 199.9 | 4900. | 193.2 | 196.5 | 192.3 | 191.8 | 191.3 |
| Stddev | 16. | 21. | 89. | 46. | .9 | 16. | .9 | .1 | 4.3 | 1.1 | 2.0 |
| %RSD | .3246 | .4216 | 1.829 | .9136 | .4459 | .3201 | .4812 | .0368 | 2.217 | .5579 | 1.069 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 4980. | 4961. | 4811. | 4989. | 198.9 | 4894. | 192.3 | 196.5 | 194.5 | 191.7 | 189.0 |
| #2 | 5007. | 4949. | 4806. | 5081. | 200.6 | 4889. | 194.1 | 196.4 | 187.3 | 193.0 | 192.9 |
| #3 | 5009. | 4990. | 4963. | 5030. | 200.2 | 4918. | 193.4 | 196.5 | 194.9 | 190.9 | 192.0 |

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|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.6 | 200.3 | 190.5 | 195.2 | 183.7 | F 175.7 | F 185.0 | 193.7 | 192.2 |
| Stddev | .2 | 1.6 | 1.4 | .6 | 1.3 | 2.7 | 9.9 | .6 | .9 |
| %RSD | .0973 | .8141 | .7482 | .3039 | .6822 | 1.514 | 5.372 | .3128 | .4921 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 190.8 | 198.5 | 189.0 | 195.9 | 183.4 | 178.7 | 180.8 | 193.4 | 191.5 |
| #2 | 190.4 | 201.7 | 190.6 | 194.8 | 182.6 | 174.9 | 196.3 | 193.4 | 191.9 |
| #3 | 190.6 | 200.6 | 191.9 | 195.0 | 185.1 | 173.5 | 177.8 | 194.4 | 193.3 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Fail | Chk Pass | Chk Pass |
| Value | | | | | | 5000. | 5000. | | |
| Range | | | | | | -20.00% | -20.00% | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18228. | 37805. | 19273. |
| Stddev | 165. | 34. | 433. |
| %RSD | .90392 | .08971 | 2.2470 |

| | | | |
|----|--------|--------|--------|
| #1 | 18038. | 37792. | 19764. |
| #2 | 18319. | 37779. | 19114. |
| #3 | 18327. | 37844. | 18943. |

Sample Name: AN03637 Acquired: 9/25/2011 15:24:42 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4444 | -30.78 | F -55.30 | 5.671 | 64.95 | .4080 | 132800. | -.2407 | -.2644 |
| Stddev | .2300 | .41 | 23.77 | 4.242 | .33 | .1854 | 757. | .1049 | .0405 |
| %RSD | 51.76 | 1.324 | 42.98 | 74.80 | .5044 | 45.45 | .5701 | 43.56 | 15.33 |
| #1 | .1943 | -30.52 | -74.70 | 9.367 | 65.20 | .6026 | 132400. | -.3495 | -.2844 |
| #2 | .6468 | -30.57 | -62.42 | 6.609 | 65.08 | .3879 | 133700. | -.1403 | -.2910 |
| #3 | .4921 | -31.25 | -28.79 | 1.039 | 64.58 | .2334 | 132400. | -.2323 | -.2178 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.313 | 1.155 | 249.9 | 246.3 | 117700. | 353100. | 106.7 | F 2400000. | 1.427 |
| Stddev | .678 | .119 | 3.4 | 3.5 | 618. | 3533. | 1.1 | 37620. | .501 |
| %RSD | 51.63 | 10.29 | 1.353 | 1.436 | .5254 | 1.001 | 1.060 | 1.568 | 35.08 |
| #1 | 2.092 | 1.060 | 246.0 | 243.5 | 117000. | 349000. | 105.4 | 2399000. | 1.826 |
| #2 | .9763 | 1.288 | 251.5 | 250.3 | 118200. | 354900. | 107.4 | 2437000. | .8654 |
| #3 | .8688 | 1.116 | 252.1 | 245.2 | 117900. | 355400. | 107.3 | 2362000. | 1.589 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.269 | 3.009 | -5841 | -1.479 | .0250 | .5856 | 3.244 | .3748 | 1278. |
| Stddev | 1.283 | 6.570 | 2.200 | 1.084 | .2817 | .1768 | .414 | .2007 | 10. |
| %RSD | 20.47 | 218.3 | 376.7 | 73.28 | 1129. | 30.19 | 12.76 | 53.55 | .7461 |
| #1 | 5.092 | 8.340 | -2.742 | -2.020 | .3481 | .4026 | 3.523 | .5255 | 1284. |
| #2 | 6.079 | -4.330 | 1.657 | -2.186 | -.1042 | .7554 | 2.769 | .4519 | 1283. |
| #3 | 7.637 | 5.017 | -.6671 | -.2312 | -.1690 | .5988 | 3.441 | .1470 | 1267. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3795. | 3737. | 2183. | .9885 |
| Stddev | 26. | 42. | 27. | .8889 |
| %RSD | .6948 | 1.134 | 1.249 | 89.92 |
| #1 | 3765. | 3770. | 2153. | .7307 |
| #2 | 3811. | 3752. | 2193. | .2570 |
| #3 | 3809. | 3689. | 2205. | 1.978 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 16004. | 33306. | 17958. |
| Stddev | 413. | 283. | 319. |
| %RSD | 2.5809 | .85117 | 1.7777 |
| #1 | 15587. | 33094. | 18242. |
| #2 | 16014. | 33195. | 17613. |
| #3 | 16413. | 33628. | 18018. |

Sample Name: AN03637 MS Acquired: 9/25/2011 15:29:36 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 210.5 | 5219. | 5010. | 206.5 | 257.5 | 187.0 | 133600. | 187.6 | 184.9 |
| Stddev | 1.2 | 38. | 17. | 3.2 | 1.2 | 1.0 | 907. | 1.6 | .3 |
| %RSD | .5530 | .7274 | .3381 | 1.549 | .4536 | .5351 | .6784 | .8340 | .1352 |
| #1 | 211.8 | 5257. | 4998. | 209.1 | 257.2 | 188.1 | 132800. | 186.2 | 185.2 |
| #2 | 210.3 | 5217. | 5004. | 202.9 | 256.4 | 186.6 | 133400. | 187.3 | 184.7 |
| #3 | 209.5 | 5181. | 5030. | 207.5 | 258.7 | 186.3 | 134600. | 189.3 | 185.0 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.8 | 197.0 | 5432. | 5254. | 118800. | 345600. | 312.3 | F 2293000. | 187.0 |
| Stddev | 1.6 | .6 | 25. | 50. | 1004. | 2510. | 1.4 | 23840. | 1.1 |
| %RSD | .7959 | .3036 | .4634 | .9550 | .8456 | .7263 | .4331 | 1.039 | .6049 |
| #1 | 198.4 | 197.5 | 5404. | 5196. | 117700. | 343100. | 310.8 | 2303000. | 186.0 |
| #2 | 199.5 | 197.2 | 5450. | 5287. | 119000. | 345700. | 312.6 | 2311000. | 186.8 |
| #3 | 201.5 | 196.3 | 5443. | 5279. | 119600. | 348100. | 313.4 | 2266000. | 188.2 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 188.8 | 192.1 | 204.3 | 174.2 | 196.8 | 203.6 | 189.3 | 197.8 | 1370. |
| Stddev | 3.4 | 4.8 | 3.3 | 2.2 | .3 | 3.5 | 1.1 | .6 | 7. |
| %RSD | 1.826 | 2.503 | 1.633 | 1.277 | .1554 | 1.727 | .5605 | .3200 | .5249 |
| #1 | 186.6 | 195.7 | 200.4 | 174.6 | 197.2 | 200.5 | 188.2 | 198.1 | 1378. |
| #2 | 187.0 | 193.8 | 205.9 | 176.3 | 196.6 | 202.8 | 190.2 | 198.2 | 1366. |
| #3 | 192.8 | 186.6 | 206.5 | 171.8 | 196.7 | 207.4 | 189.5 | 197.1 | 1365. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3947. | 3862. | 2354. | 185.5 |
| Stddev | 10. | 11. | 13. | 2.5 |
| %RSD | .2652 | .2791 | .5720 | 1.336 |
| #1 | 3935. | 3865. | 2340. | 183.1 |
| #2 | 3955. | 3850. | 2356. | 185.5 |
| #3 | 3951. | 3871. | 2367. | 188.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17065. | 33395. | 17913. |
| Stddev | 116. | 183. | 316. |
| %RSD | .67861 | .54816 | 1.7658 |
| #1 | 16963. | 33554. | 18230. |
| #2 | 17042. | 33195. | 17910. |
| #3 | 17191. | 33438. | 17598. |

Sample Name: AN03637 SDL Acquired: 9/25/2011 15:34:23 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 5.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 194.3 | 4956. | 4819. | 197.4 | 249.9 | 188.0 | 133600. | 191.3 | 188.3 |
| Stddev | 1.7 | 23. | 59. | 20.0 | 2.4 | 1.0 | 1414. | 1.8 | 1.0 |
| %RSD | .8652 | .4627 | 1.224 | 10.13 | .9461 | .5458 | 1.059 | .9336 | .5563 |
| #1 | 192.7 | 4982. | 4796. | 197.4 | 247.2 | 186.8 | 132000. | 189.3 | 187.1 |
| #2 | 194.1 | 4943. | 4886. | 177.4 | 251.2 | 188.2 | 134600. | 192.6 | 188.6 |
| #3 | 196.1 | 4942. | 4775. | 217.4 | 251.4 | 188.9 | 134200. | 192.2 | 189.1 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.7 | 189.3 | 5408. | 5281. | 111900. | 346400. | 310.0 | F 2664000. | 193.0 |
| Stddev | 2.5 | 2.7 | 47. | 37. | 560. | 2452. | 1.8 | 13900. | 1.8 |
| %RSD | 1.255 | 1.433 | .8722 | .6991 | .5004 | .7079 | .5770 | .5219 | .9331 |
| #1 | 201.6 | 191.6 | 5408. | 5239. | 111200. | 343600. | 309.9 | 2671000. | 194.9 |
| #2 | 205.6 | 190.1 | 5360. | 5300. | 112100. | 347300. | 308.3 | 2648000. | 191.3 |
| #3 | 200.9 | 186.3 | 5455. | 5305. | 112300. | 348300. | 311.9 | 2673000. | 192.7 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 205.7 | 179.0 | 196.3 | 194.8 | 192.7 | 214.1 | 191.0 | 192.1 | 1385. |
| Stddev | 8.7 | 3.7 | 1.7 | 4.5 | 1.2 | 2.2 | 3.3 | 1.1 | 12. |
| %RSD | 4.253 | 2.051 | .8694 | 2.307 | .6439 | 1.025 | 1.725 | .5975 | .8376 |
| #1 | 203.5 | 183.2 | 197.4 | 199.1 | 191.3 | 211.7 | 188.1 | 193.3 | 1393. |
| #2 | 198.2 | 176.1 | 194.3 | 195.1 | 193.8 | 215.8 | 190.2 | 191.0 | 1390. |
| #3 | 215.3 | 177.8 | 197.1 | 190.1 | 192.9 | 215.0 | 194.6 | 191.9 | 1372. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3786. | 3739. | 2366. | 193.4 |
| Stddev | 9. | 66. | 11. | 3.1 |
| %RSD | .2446 | 1.755 | .4792 | 1.597 |
| #1 | 3786. | 3759. | 2372. | 196.7 |
| #2 | 3777. | 3665. | 2353. | 192.8 |
| #3 | 3796. | 3792. | 2373. | 190.6 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18545. | 36498. | 18286. |
| Stddev | 95. | 335. | 307. |
| %RSD | .51428 | .91693 | 1.6783 |
| #1 | 18441. | 36246. | 18628. |
| #2 | 18564. | 36878. | 18036. |
| #3 | 18629. | 36371. | 18194. |

Sample Name: AN03639 Acquired: 9/25/2011 15:39:16 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1715 | -24.83 | -47.39 | 3.544 | 39.43 | .4550 | 119900. | -.2111 | .5073 |
| Stddev | .4347 | 2.17 | 8.05 | 1.264 | .19 | .2166 | 1490. | .1475 | .2725 |
| %RSD | 253.5 | 8.717 | 16.98 | 35.66 | .4838 | 47.60 | 1.243 | 69.87 | 53.71 |

| | | | | | | | | | |
|----|--------|--------|--------|-------|-------|-------|---------|--------|-------|
| #1 | .4959 | -22.66 | -55.86 | 2.085 | 39.27 | .2820 | 118200. | -.0596 | .7487 |
| #2 | -.3225 | -24.83 | -39.85 | 4.248 | 39.64 | .6979 | 120800. | -.2194 | .2118 |
| #3 | .3411 | -26.99 | -46.45 | 4.300 | 39.37 | .3852 | 120700. | -.3542 | .5614 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.093 | 3.736 | 397.9 | 387.1 | 111300. | 338000. | 174.7 | F 2295000. | 2.199 |
| Stddev | .110 | .188 | 4.9 | 1.0 | 985. | 1916. | 2.2 | 59860. | .415 |
| %RSD | 5.261 | 5.034 | 1.237 | .2474 | .8847 | .5667 | 1.232 | 2.608 | 18.86 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 2.220 | 3.574 | 393.6 | 386.1 | 110200. | 335800. | 173.0 | 2291000. | 1.958 |
| #2 | 2.024 | 3.943 | 396.9 | 387.3 | 111700. | 339200. | 174.0 | 2357000. | 2.678 |
| #3 | 2.035 | 3.693 | 403.3 | 388.0 | 112000. | 339000. | 177.1 | 2237000. | 1.961 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.92 | 2.369 | -2.283 | -1.319 | -.0907 | 2.551 | 3.139 | -.1631 | 1197. |
| Stddev | .43 | 1.710 | 3.702 | 1.694 | .5237 | .115 | .253 | .2109 | 15. |
| %RSD | 1.589 | 72.18 | 162.2 | 128.5 | 577.6 | 4.494 | 8.063 | 129.4 | 1.230 |

| | | | | | | | | | |
|----|-------|-------|--------|--------|--------|-------|-------|--------|-------|
| #1 | 27.40 | 4.332 | -2.358 | -1.039 | -.3552 | 2.665 | 3.342 | .0560 | 1214. |
| #2 | 26.60 | 1.200 | -5.947 | -3.135 | .5126 | 2.551 | 2.856 | -.1805 | 1188. |
| #3 | 26.75 | 1.575 | 1.456 | .2185 | -.4294 | 2.436 | 3.221 | -.3648 | 1189. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3272. | 3169. | 2071. | .9985 |
| Stddev | 26. | 34. | 28. | 1.919 |
| %RSD | .8065 | 1.084 | 1.365 | 192.2 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 3243. | 3132. | 2047. | 1.763 |
| #2 | 3277. | 3200. | 2064. | 2.418 |
| #3 | 3295. | 3175. | 2102. | -1.185 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 16841. | 33197. | 17359. |
| Stddev | 328. | 162. | 281. |
| %RSD | 1.9495 | .48858 | 1.6192 |

| | | | |
|----|--------|--------|--------|
| #1 | 16478. | 33057. | 17638. |
| #2 | 16927. | 33375. | 17076. |
| #3 | 17117. | 33160. | 17362. |

Sample Name: AN03641 Acquired: 9/25/2011 15:44:09 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0079 | -28.77 | F -53.81 | 2.123 | 115.2 | .4938 | 161900. | -.2707 | .1254 |
| Stddev | .6151 | .67 | 12.27 | 3.252 | .1 | .1107 | 1583. | .1953 | .1969 |
| %RSD | 7809. | 2.324 | 22.80 | 153.1 | .1076 | 22.41 | .9780 | 72.15 | 157.0 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|---------|--------|--------|
| #1 | .1375 | -28.54 | -47.76 | -1.622 | 115.1 | .4294 | 162100. | -.1002 | .3061 |
| #2 | .5479 | -28.24 | -45.75 | 4.226 | 115.3 | .6216 | 163400. | -.4838 | .1546 |
| #3 | -.6617 | -29.52 | -67.94 | 3.767 | 115.3 | .4303 | 160200. | -.2281 | -.0845 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.896 | -.4286 | 62.45 | 55.60 | 137600. | 370000. | 1769. | F 2546000. | .6236 |
| Stddev | .427 | .4635 | .84 | 4.97 | 1237. | 2993. | 21. | 12090. | .4746 |
| %RSD | 22.52 | 108.2 | 1.340 | 8.946 | .8988 | .8090 | 1.170 | .4748 | 76.10 |

| | | | | | | | | | |
|----|-------|--------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 1.428 | -.5013 | 61.81 | 56.35 | 136400. | 366900. | 1753. | 2534000. | .1670 |
| #2 | 1.996 | .0670 | 63.40 | 60.16 | 137700. | 370200. | 1762. | 2558000. | 1.114 |
| #3 | 2.264 | -.8514 | 62.14 | 50.30 | 138800. | 372800. | 1792. | 2547000. | .5895 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.296 | 1.731 | 3.578 | -1.951 | -.3374 | -.9456 | .3262 | .0828 | 1542. |
| Stddev | .867 | 3.987 | .930 | 1.053 | .3977 | .2904 | .8382 | .1705 | 9. |
| %RSD | 66.87 | 230.3 | 25.99 | 53.98 | 117.9 | 30.71 | 257.0 | 206.0 | .5541 |

| | | | | | | | | | |
|----|-------|--------|-------|--------|--------|--------|--------|--------|-------|
| #1 | .9799 | -1.488 | 4.412 | -2.977 | .0314 | -1.036 | .7311 | -.1139 | 1549. |
| #2 | .6319 | .4896 | 3.748 | -.8725 | -.7587 | -1.180 | .8850 | .1883 | 1532. |
| #3 | 2.276 | 6.190 | 2.575 | -2.003 | -.2848 | -.6208 | -.6376 | .1739 | 1543. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6917. | 6725. | 2457. | -.3780 |
| Stddev | 49. | 13. | 32. | 1.796 |
| %RSD | .7058 | .1999 | 1.317 | 475.2 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 6871. | 6713. | 2427. | -.7762 |
| #2 | 6912. | 6740. | 2454. | 1.584 |
| #3 | 6968. | 6723. | 2491. | -1.942 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17515. | 32908. | 16486. |
| Stddev | 344. | 81. | 453. |
| %RSD | 1.9654 | .24527 | 2.7470 |

| | | | |
|----|--------|--------|--------|
| #1 | 17167. | 32909. | 16957. |
| #2 | 17522. | 32827. | 16449. |
| #3 | 17856. | 32989. | 16053. |

Sample Name: AN03643 Acquired: 9/25/2011 15:49:07 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4431 | -28.55 | -25.37 | .6442 | 43.59 | .3575 | 119600. | -2100 | .4263 |
| Stddev | .3681 | .91 | 9.10 | 1.121 | .14 | .4024 | 509. | .3191 | .1829 |
| %RSD | 83.06 | 3.175 | 35.86 | 174.0 | .3321 | 112.6 | .4259 | 152.0 | 42.90 |

| | | | | | | | | | |
|----|-------|--------|--------|--------|-------|-------|---------|--------|-------|
| #1 | .7237 | -28.97 | -24.74 | 1.921 | 43.53 | .8118 | 119500. | -.0720 | .2626 |
| #2 | .5794 | -29.17 | -34.77 | -.1798 | 43.50 | .0460 | 119200. | -.5748 | .3927 |
| #3 | .0263 | -27.51 | -16.60 | .1916 | 43.76 | .2147 | 120200. | .0169 | .6236 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.074 | .5549 | 324.6 | 307.2 | 103200. | 296800. | 83.82 | F 2045000. | 2.602 |
| Stddev | .755 | .1365 | 1.8 | 4.4 | 540. | 1742. | .25 | 46870. | .141 |
| %RSD | 36.42 | 24.59 | .5534 | 1.419 | .5231 | .5870 | .2982 | 2.292 | 5.412 |

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|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 2.499 | .4950 | 322.7 | 302.1 | 102600. | 294900. | 83.55 | 1991000. | 2.475 |
| #2 | 2.520 | .7111 | 326.2 | 309.6 | 103300. | 298300. | 84.04 | 2067000. | 2.753 |
| #3 | 1.202 | .4586 | 324.8 | 309.8 | 103700. | 297300. | 83.88 | 2077000. | 2.577 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 17.34 | 6.224 | 1.490 | -.9678 | 2.935 | 6.922 | 4.164 | -.6525 | 1125. |
| Stddev | 2.08 | 4.033 | 1.329 | .6466 | .242 | .128 | .471 | .0964 | 9. |
| %RSD | 12.02 | 64.80 | 89.18 | 66.82 | 8.253 | 1.845 | 11.32 | 14.78 | .8397 |

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|----|-------|-------|-------|--------|-------|-------|-------|--------|-------|
| #1 | 19.13 | 10.04 | .4614 | -.9080 | 2.966 | 6.950 | 4.388 | -.7053 | 1127. |
| #2 | 17.84 | 2.008 | 2.990 | -1.642 | 3.160 | 7.033 | 3.622 | -.5412 | 1133. |
| #3 | 15.05 | 6.619 | 1.018 | -.3531 | 2.678 | 6.782 | 4.481 | -.7110 | 1115. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4767. | 4651. | 1900. | -.3505 |
| Stddev | 19. | 26. | 8. | 1.410 |
| %RSD | .4006 | .5581 | .4131 | 402.4 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 4753. | 4643. | 1891. | -.4970 |
| #2 | 4788. | 4630. | 1906. | -1.682 |
| #3 | 4759. | 4680. | 1903. | 1.127 |

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|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18150. | 34300. | 16379. |
| Stddev | 260. | 151. | 279. |
| %RSD | 1.4325 | .44022 | 1.7020 |

| | | | |
|----|--------|--------|--------|
| #1 | 18042. | 34177. | 16692. |
| #2 | 17961. | 34255. | 16287. |
| #3 | 18446. | 34468. | 16158. |

Sample Name: AN03645 Acquired: 9/25/2011 15:54:00 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3818 | -23.08 | F -60.43 | 1.358 | 106.9 | .8288 | 155900. | -.2229 | .1056 |
| Stddev | .9773 | 1.41 | 16.23 | 2.207 | .6 | .2955 | 516. | .0978 | .3205 |
| %RSD | 256.0 | 6.113 | 26.86 | 162.6 | .5518 | 35.65 | .3307 | 43.89 | 303.6 |
| #1 | -.5113 | -24.49 | -67.89 | -1.186 | 106.2 | .5147 | 155300. | -.2790 | .3205 |
| #2 | 1.426 | -23.08 | -71.59 | 2.495 | 107.0 | .8705 | 156400. | -.1099 | -.2628 |
| #3 | .2310 | -21.66 | -41.81 | 2.764 | 107.4 | 1.101 | 156000. | -.2797 | .2590 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

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|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.632 | -.5906 | 244.2 | 233.6 | 144900. | 416800. | 237.0 | F 2588000. | .6656 |
| Stddev | .489 | .1979 | .2 | 2.9 | 577. | 1412. | .8 | 105200. | .6377 |
| %RSD | 18.57 | 33.51 | .0749 | 1.234 | .3979 | .3389 | .3167 | 4.064 | 95.82 |
| #1 | 2.107 | -.6001 | 244.0 | 232.5 | 144200. | 415200. | 237.2 | 2565000. | 1.261 |
| #2 | 3.074 | -.3881 | 244.2 | 236.8 | 145300. | 417600. | 236.2 | 2702000. | -.0076 |
| #3 | 2.715 | -.7836 | 244.4 | 231.4 | 145200. | 417700. | 237.7 | 2496000. | .7435 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.639 | -.6947 | 3.173 | -2.599 | .0963 | -.2460 | .8918 | 1.538 | 1528. |
| Stddev | .912 | 1.705 | 3.031 | 3.083 | .7274 | .1132 | .3885 | .136 | 9. |
| %RSD | 25.05 | 245.4 | 95.52 | 118.6 | 755.0 | 46.02 | 43.57 | 8.863 | .5756 |
| #1 | 4.625 | -2.453 | 1.567 | -.9707 | -.2062 | -.3565 | 1.009 | 1.584 | 1538. |
| #2 | 2.826 | -.5824 | 1.283 | -6.154 | -.4310 | -.2513 | .4581 | 1.646 | 1525. |
| #3 | 3.466 | .9514 | 6.669 | -.6719 | .9262 | -.1303 | 1.208 | 1.385 | 1522. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5821. | 5672. | 2677. | -.0677 |
| Stddev | 22. | 24. | 11. | 1.097 |
| %RSD | .3841 | .4193 | .3929 | 1621. |
| #1 | 5801. | 5647. | 2669. | 1.187 |
| #2 | 5816. | 5695. | 2673. | -.5439 |
| #3 | 5845. | 5673. | 2689. | -.8463 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17702. | 33548. | 16106. |
| Stddev | 338. | 271. | 200. |
| %RSD | 1.9098 | .80634 | 1.2442 |
| #1 | 17326. | 33276. | 16335. |
| #2 | 17796. | 33817. | 16019. |
| #3 | 17982. | 33551. | 15964. |

Sample Name: CCV Acquired: 9/25/2011 15:58:53 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.9 | 4446. | 4893. | 206.0 | 195.3 | 189.2 | 5277. | 210.5 | 196.6 | 224.3 | 195.2 |
| Stddev | .1 | 8. | 28. | 1.9 | .3 | .2 | 16. | 1.6 | .9 | .2 | .7 |
| %RSD | .0581 | .1741 | .5687 | .9342 | .1400 | .0920 | .3065 | .7598 | .4736 | .0805 | .3503 |
| #1 | 192.0 | 4453. | 4900. | 208.2 | 195.5 | 189.0 | 5258. | 212.1 | 197.6 | 224.2 | 195.6 |
| #2 | 191.8 | 4438. | 4862. | 204.6 | 195.0 | 189.2 | 5285. | 210.6 | 196.4 | 224.2 | 194.4 |
| #3 | 191.9 | 4446. | 4917. | 205.2 | 195.3 | 189.3 | 5287. | 208.9 | 195.8 | 224.5 | 195.5 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5486. | 5204. | 5260. | 5461. | 224.7 | F 6858. | 204.5 | 211.2 | 193.3 | 211.3 | 198.7 |
| Stddev | 38. | 8. | 47. | 43. | 1.2 | 256. | .4 | 2.0 | 3.2 | 5.7 | .5 |
| %RSD | .6903 | .1504 | .8865 | .7920 | .5264 | 3.734 | .2173 | .9265 | 1.679 | 2.699 | .2712 |
| #1 | 5449. | 5202. | 5313. | 5461. | 223.4 | 7131. | 203.9 | 213.3 | 193.7 | 205.5 | 198.2 |
| #2 | 5525. | 5198. | 5243. | 5504. | 225.6 | 6821. | 204.7 | 209.5 | 189.9 | 216.9 | 199.3 |
| #3 | 5486. | 5213. | 5224. | 5417. | 225.2 | 6623. | 204.7 | 210.7 | 196.3 | 211.4 | 198.7 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range 5000.
20.00%

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 205.1 | 235.2 | 197.1 | 201.5 | 187.6 | 5089. | 5083. | 212.3 | 214.2 |
| Stddev | .3 | 1.1 | .3 | .2 | 1.0 | 23. | 38. | 1.8 | 1.1 |
| %RSD | .1271 | .4472 | .1475 | .1165 | .5452 | .4432 | .7511 | .8599 | .4992 |
| #1 | 204.8 | 236.0 | 196.9 | 201.5 | 188.0 | 5104. | 5047. | 210.5 | 213.0 |
| #2 | 205.3 | 235.6 | 197.1 | 201.7 | 188.2 | 5063. | 5079. | 212.4 | 214.9 |
| #3 | 205.1 | 234.0 | 197.5 | 201.3 | 186.4 | 5100. | 5123. | 214.1 | 214.8 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20237. | 38015. | 17306. |
| Stddev | 87. | 231. | 131. |
| %RSD | .42977 | .60717 | .75428 |
| #1 | 20163. | 38159. | 17383. |
| #2 | 20333. | 38137. | 17381. |
| #3 | 20215. | 37749. | 17156. |

Sample Name: CCB Acquired: 9/25/2011 16:03:31 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1746 | -.6930 | -2.218 | -.9562 | .4145 | .0796 | -1.322 | -.0881 | -.0903 | -.6956 | -.6883 |
| Stddev | .2844 | .7585 | 6.038 | .6767 | .6827 | .2087 | 1.332 | .0632 | .1104 | .2567 | .1948 |
| %RSD | 162.9 | 109.5 | 272.2 | 70.77 | 164.7 | 262.1 | 100.7 | 71.71 | 122.2 | 36.90 | 28.30 |
| #1 | .0998 | -1.256 | -8.339 | -.1805 | -.1380 | .0900 | -.8087 | -.1439 | -.2174 | -.8721 | -.4660 |
| #2 | -.0650 | -.9928 | 3.735 | -1.262 | .2037 | -.1340 | -.3233 | -.0195 | -.0358 | -.4012 | -.7700 |
| #3 | .4889 | .1697 | -2.050 | -1.426 | 1.178 | .2829 | -2.834 | -.1007 | -.0178 | -.8135 | -.8290 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5150 | 2.444 | 36.63 | 40.32 | -.2205 | 931.9 | -.6295 | 1.941 | 3.053 | -1.229 | .1668 |
| Stddev | .6010 | .228 | 32.38 | 9.15 | .1003 | 9.0 | .8937 | 1.811 | 2.112 | 3.300 | .8465 |
| %RSD | 116.7 | 9.340 | 88.39 | 22.70 | 45.50 | .9650 | 142.0 | 93.30 | 69.18 | 268.5 | 507.4 |
| #1 | -.0509 | 2.211 | 61.12 | 50.75 | -.2831 | 942.2 | -.2066 | 3.579 | 1.880 | -4.079 | -.4820 |
| #2 | -.3002 | 2.668 | 48.84 | 36.54 | -.2738 | 927.6 | -.0257 | 2.248 | 5.491 | 2.387 | 1.124 |
| #3 | -1.194 | 2.453 | -.0792 | 33.66 | -.1048 | 925.8 | -1.656 | -.0036 | 1.788 | -1.996 | -.1418 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0620 | -.3306 | -.0820 | -.4836 | .8012 | -4.215 | -3.227 | -.7732 | -1.091 |
| Stddev | .6603 | .0762 | .2544 | .1133 | 1.508 | 1.604 | 13.97 | .5311 | .804 |
| %RSD | 1065. | 23.06 | 310.1 | 23.43 | 188.2 | 38.06 | 432.8 | 68.69 | 73.65 |
| #1 | -.6928 | -.3122 | .0341 | -.6141 | 1.184 | -4.398 | -18.41 | -1.344 | -.1782 |
| #2 | .5326 | -.4144 | -.3738 | -.4272 | -.8613 | -2.527 | -.3529 | -.2933 | -1.692 |
| #3 | .3462 | -.2653 | .0936 | -.4096 | 2.081 | -5.720 | 9.080 | -.6826 | -1.403 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 19783. | 37741. | 17619. |
| Stddev | 153. | 262. | 642. |
| %RSD | .77152 | .69547 | 3.6418 |
| #1 | 19615. | 37784. | 18281. |
| #2 | 19914. | 37460. | 17576. |
| #3 | 19818. | 37980. | 17000. |

Sample Name: AN03647 Acquired: 9/25/2011 16:08:20 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4826 | -24.30 | F -59.98 | -.0623 | 49.96 | .4283 | 125600. | -.2804 | .4633 |
| Stddev | .3435 | 2.05 | 5.92 | 2.343 | .96 | .2956 | 1205. | .1293 | .3433 |
| %RSD | 71.17 | 8.428 | 9.865 | 3764. | 1.931 | 69.01 | .9592 | 46.11 | 74.09 |

| | | | | | | | | | |
|----|-------|--------|--------|--------|-------|-------|---------|--------|-------|
| #1 | .1468 | -22.18 | -59.89 | 1.680 | 51.07 | .1678 | 126700. | -.4274 | .2728 |
| #2 | .4676 | -24.46 | -54.11 | .8591 | 49.27 | .7495 | 124300. | -.1840 | .2575 |
| #3 | .8333 | -26.26 | -65.94 | -2.726 | 49.55 | .3677 | 125800. | -.2299 | .8596 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.420 | -.3332 | 518.4 | 504.8 | 126300. | 353900. | 415.9 | F 2443000. | .9188 |
| Stddev | .772 | .4256 | 4.2 | 6.5 | 576. | 2133. | 3.8 | 78020. | .3162 |
| %RSD | 31.90 | 127.7 | .8006 | 1.285 | .4560 | .6026 | .9243 | 3.194 | 34.41 |

| | | | | | | | | | |
|----|-------|--------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 1.956 | .1528 | 513.7 | 511.9 | 126500. | 355300. | 411.5 | 2508000. | .5609 |
| #2 | 1.993 | -.6390 | 521.1 | 503.0 | 125600. | 351500. | 417.5 | 2356000. | 1.160 |
| #3 | 3.311 | -.5134 | 520.6 | 499.3 | 126700. | 355100. | 418.7 | 2464000. | 1.035 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.524 | 2.330 | -.1281 | -.9590 | .6025 | -.6072 | 2.308 | .6344 | 1454. |
| Stddev | 1.518 | 1.445 | .9664 | 1.186 | .5832 | .1502 | .622 | .2372 | 12. |
| %RSD | 17.81 | 62.00 | 754.5 | 123.6 | 96.79 | 24.74 | 26.95 | 37.40 | .8262 |

| | | | | | | | | | |
|----|-------|-------|--------|--------|--------|--------|-------|-------|-------|
| #1 | 8.770 | 2.498 | -.0072 | -2.137 | .8193 | -.7721 | 3.013 | .7268 | 1465. |
| #2 | 6.898 | .8087 | .7722 | .2339 | -.0580 | -.4780 | 2.075 | .3648 | 1454. |
| #3 | 9.905 | 3.683 | -1.149 | -.9735 | 1.046 | -.5715 | 1.837 | .8115 | 1441. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4084. | 4066. | 2158. | .5330 |
| Stddev | 43. | 35. | 22. | .8858 |
| %RSD | 1.065 | .8662 | 1.040 | 166.2 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 4042. | 4098. | 2134. | .2491 |
| #2 | 4083. | 4029. | 2162. | 1.526 |
| #3 | 4129. | 4072. | 2178. | -.1760 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 16793. | 33438. | 16884. |
| Stddev | 300. | 313. | 278. |
| %RSD | 1.7879 | .93606 | 1.6485 |

| | | | |
|----|--------|--------|--------|
| #1 | 16483. | 33317. | 17043. |
| #2 | 16814. | 33794. | 17046. |
| #3 | 17083. | 33204. | 16563. |

Sample Name: AN03649 Acquired: 9/25/2011 16:13:13 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1456 | -28.43 | F -66.96 | 3481 | 117.1 | 5766 | 158700. | -1425 | 2048 |
| Stddev | 5001 | .84 | 32.89 | 2.066 | .2 | 1347 | 3085. | 1234 | .0517 |
| %RSD | 343.5 | 2.953 | 49.13 | 593.6 | .1780 | 23.36 | 1.943 | 86.57 | 25.25 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|---------|--------|-------|
| #1 | .6785 | -29.33 | -104.9 | -1.513 | 117.0 | .6802 | 157800. | -.1276 | .1452 |
| #2 | -.3137 | -28.28 | -49.57 | 2.571 | 117.0 | .6253 | 156300. | -.0273 | .2386 |
| #3 | .0721 | -27.67 | -46.41 | -.0137 | 117.3 | .4243 | 162200. | -.2726 | .2304 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.187 | -.3637 | 111.9 | 105.0 | 139400. | 371100. | 1144. | F 2450000. | .3887 |
| Stddev | .649 | .5458 | 1.6 | 2.4 | 1582. | 4582. | 12. | 71110. | .8171 |
| %RSD | 29.68 | 150.1 | 1.386 | 2.259 | 1.135 | 1.235 | 1.021 | 2.903 | 210.2 |

| | | | | | | | | | |
|----|-------|--------|-------|-------|---------|---------|-------|----------|--------|
| #1 | 2.841 | .0906 | 110.2 | 106.5 | 137800. | 366800. | 1130. | 2425000. | -.2539 |
| #2 | 1.543 | -.9692 | 112.2 | 106.4 | 139500. | 370600. | 1148. | 2394000. | 1.308 |
| #3 | 2.177 | -.2126 | 113.3 | 102.3 | 140900. | 375900. | 1152. | 2530000. | .1117 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.658 | -1.302 | .5031 | -.7921 | .4982 | -.6570 | -.2785 | .1265 | 1587. |
| Stddev | 4.985 | 4.048 | 1.457 | .4825 | .3835 | .2694 | .4913 | .1974 | 8. |
| %RSD | 187.6 | 310.9 | 289.6 | 60.92 | 76.98 | 41.00 | 176.4 | 156.1 | .5156 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|-------|
| #1 | 3.046 | 1.250 | 1.903 | -1.041 | .0553 | -.4826 | .2684 | -.0565 | 1597. |
| #2 | -4.835 | -5.969 | -1.005 | -1.099 | .7203 | -.9672 | -.6824 | .1001 | 1582. |
| #3 | -6.184 | .8137 | .6107 | -.2359 | .7188 | -.5212 | -.4215 | .3358 | 1584. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6687. | 6460. | 2470. | -.4172 |
| Stddev | 44. | 48. | 25. | 1.095 |
| %RSD | .6582 | .7504 | .9954 | 262.5 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 6681. | 6436. | 2447. | -.4500 |
| #2 | 6647. | 6428. | 2467. | .6938 |
| #3 | 6734. | 6515. | 2496. | -1.496 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17219. | 33197. | 17211. |
| Stddev | 288. | 290. | 394. |
| %RSD | 1.6752 | .87400 | 2.2910 |

| | | | |
|----|--------|--------|--------|
| #1 | 16918. | 32899. | 17384. |
| #2 | 17244. | 33213. | 17490. |
| #3 | 17494. | 33478. | 16760. |

Sample Name: AN03651 Acquired: 9/25/2011 16:18:11 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2685 | -11.61 | F -52.89 | .8477 | 157.7 | .5826 | 164800. | -.1548 | -.4321 |
| Stddev | .1843 | .42 | 24.05 | 3.689 | 1.6 | .2323 | 1308. | .0838 | .3660 |
| %RSD | 68.63 | 3.605 | 45.48 | 435.1 | .9894 | 39.87 | .7936 | 54.10 | 84.69 |
| #1 | .1982 | -11.22 | -28.49 | 2.088 | 159.5 | .4849 | 164000. | -.0622 | -.1857 |
| #2 | .4775 | -11.57 | -53.60 | -3.301 | 157.3 | .4151 | 166300. | -.1770 | -.8527 |
| #3 | .1297 | -12.05 | -76.58 | 3.757 | 156.4 | .8478 | 164200. | -.2252 | -.2580 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.625 | .1752 | 1617. | 1549. | 153400. | 408000. | 192.4 | F 2576000. | 1.052 |
| Stddev | .192 | .6187 | 9. | 6. | 660. | 1954. | 1.2 | 128600. | .263 |
| %RSD | 7.332 | 353.1 | .5869 | .4166 | .4303 | .4788 | .6094 | 4.992 | 24.97 |
| #1 | 2.636 | -.4980 | 1613. | 1557. | 152900. | 406000. | 191.5 | 2438000. | 1.272 |
| #2 | 2.811 | .3049 | 1627. | 1546. | 153300. | 408100. | 193.7 | 2693000. | .7613 |
| #3 | 2.427 | .7187 | 1609. | 1545. | 154200. | 409900. | 192.0 | 2596000. | 1.121 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1717 | 6.452 | 2.478 | -2.517 | 4.123 | .6639 | .8533 | 3.078 | 1726. |
| Stddev | 1.673 | 3.965 | .925 | 1.687 | .424 | .4222 | .4944 | .142 | 5. |
| %RSD | 974.5 | 61.45 | 37.34 | 67.00 | 10.29 | 63.59 | 57.94 | 4.627 | .2959 |
| #1 | -1.101 | 7.493 | 2.211 | -1.598 | 4.108 | .2323 | .8812 | 3.242 | 1732. |
| #2 | 2.067 | 9.792 | 1.715 | -4.464 | 3.706 | 1.076 | .3455 | 2.995 | 1722. |
| #3 | -.4509 | 2.070 | 3.507 | -1.490 | 4.555 | .6834 | 1.333 | 2.996 | 1724. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7372. | 7192. | 2681. | 2.068 |
| Stddev | 29. | 15. | 17. | 1.109 |
| %RSD | .3913 | .2022 | .6175 | 53.61 |
| #1 | 7355. | 7208. | 2663. | 3.346 |
| #2 | 7405. | 7188. | 2696. | 1.369 |
| #3 | 7355. | 7179. | 2685. | 1.489 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17430. | 33264. | 16519. |
| Stddev | 267. | 275. | 84. |
| %RSD | 1.5338 | .82818 | .50579 |
| #1 | 17148. | 33049. | 16518. |
| #2 | 17461. | 33169. | 16604. |
| #3 | 17680. | 33575. | 16437. |

Sample Name: AN03656 Acquired: 9/25/2011 16:23:12 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1217 | -28.94 | F -51.40 | -1.147 | 113.9 | .6026 | 161300. | -.1431 | .0583 |
| Stddev | .4908 | .54 | 25.30 | .907 | 1.0 | .1166 | 3549. | .2469 | .1010 |
| %RSD | 403.3 | 1.878 | 49.22 | 79.06 | .9088 | 19.35 | 2.201 | 172.5 | 173.1 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|---------|--------|--------|
| #1 | .6286 | -28.95 | -36.99 | -3729 | 113.1 | .4930 | 160400. | -.2761 | -.0567 |
| #2 | .0878 | -28.39 | -80.62 | -2.145 | 115.1 | .7251 | 158300. | -.2950 | .0995 |
| #3 | -.3513 | -29.48 | -36.60 | -.9237 | 113.6 | .5896 | 165200. | .1418 | .1323 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.796 | -.1128 | 61.23 | 60.31 | 138900. | 369200. | 1751. | F 2354000. | .2555 |
| Stddev | .420 | .4061 | .65 | 4.33 | 1411. | 2904. | 14. | 143200. | .7833 |
| %RSD | 23.38 | 360.0 | 1.069 | 7.179 | 1.016 | .7864 | .7843 | 6.084 | 306.6 |

| | | | | | | | | | |
|----|-------|--------|-------|-------|---------|---------|-------|----------|--------|
| #1 | 2.267 | .2127 | 60.56 | 55.61 | 137500. | 366700. | 1736. | 2217000. | -.6317 |
| #2 | 1.659 | .0168 | 61.27 | 61.20 | 138900. | 368600. | 1762. | 2342000. | .5467 |
| #3 | 1.461 | -.5679 | 61.86 | 64.13 | 140300. | 372400. | 1757. | 2502000. | .8515 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .8063 | 2.428 | 5.198 | -1.546 | -.0115 | -1.034 | -.7824 | -.0050 | 1561. |
| Stddev | 3.701 | 4.822 | 2.353 | 1.003 | .8101 | .333 | .7030 | .1185 | 11. |
| %RSD | 459.0 | 198.6 | 45.26 | 64.90 | 7070. | 32.22 | 89.85 | 2348. | .7206 |

| | | | | | | | | | |
|----|--------|--------|-------|--------|--------|--------|--------|--------|-------|
| #1 | .5890 | 7.278 | 2.572 | -.6413 | .6148 | -1.149 | .0258 | -.1340 | 1570. |
| #2 | -2.781 | -2.365 | 7.114 | -2.625 | -.9264 | -1.294 | -1.253 | .0197 | 1565. |
| #3 | 4.611 | 2.372 | 5.909 | -1.371 | .2772 | -.6583 | -1.120 | .0992 | 1548. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6808. | 6703. | 2425. | -.4480 |
| Stddev | 19. | 65. | 14. | 2.582 |
| %RSD | .2733 | .9745 | .5852 | 576.5 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 6809. | 6648. | 2411. | 2.516 |
| #2 | 6825. | 6686. | 2426. | -1.648 |
| #3 | 6788. | 6775. | 2439. | -2.212 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17283. | 33861. | 16905. |
| Stddev | 261. | 200. | 286. |
| %RSD | 1.5075 | .59028 | 1.6907 |

| | | | |
|----|--------|--------|--------|
| #1 | 17080. | 33827. | 17127. |
| #2 | 17193. | 33681. | 17007. |
| #3 | 17577. | 34076. | 16583. |

Sample Name: AN03638 Acquired: 9/25/2011 16:28:11 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4400 | 11.75 | 7.943 | -1.494 | 69.58 | .6603 | 138600. | -.0928 | -.3057 |
| Stddev | .9924 | .76 | 19.33 | 3.033 | .25 | .1704 | 1093. | .1771 | .0884 |
| %RSD | 225.5 | 6.464 | 243.3 | 203.0 | .3542 | 25.81 | .7883 | 190.8 | 28.92 |
| #1 | -1.296 | 11.11 | 11.23 | -3.402 | 69.29 | .8283 | 137700. | .0483 | -.3244 |
| #2 | .6479 | 11.56 | -12.81 | -3.084 | 69.70 | .4876 | 138300. | -.0353 | -.2094 |
| #3 | -.6721 | 12.59 | 25.42 | 2.004 | 69.74 | .6650 | 139900. | -.2915 | -.3832 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.576 | 2.522 | 308.9 | 288.6 | 122900. | 371200. | 123.4 | F 2379000. | 1.813 |
| Stddev | .205 | .475 | 1.8 | 9.4 | 1450. | 4216. | .9 | 31730. | .611 |
| %RSD | 7.944 | 18.85 | .5756 | 3.262 | 1.180 | 1.136 | .7645 | 1.334 | 33.69 |
| #1 | 2.745 | 2.667 | 306.9 | 280.6 | 121300. | 366700. | 122.4 | 2394000. | 1.387 |
| #2 | 2.635 | 1.991 | 309.5 | 286.3 | 123000. | 371800. | 123.4 | 2401000. | 2.513 |
| #3 | 2.348 | 2.908 | 310.4 | 299.0 | 124200. | 375000. | 124.3 | 2343000. | 1.540 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 75.07 | 3.100 | 1.494 | -.1813 | -.3304 | 4.705 | 2.661 | 1.330 | 1213. |
| Stddev | 2.40 | 2.028 | 4.165 | 1.127 | .4682 | .339 | .390 | .163 | 3. |
| %RSD | 3.195 | 65.42 | 278.8 | 621.5 | 141.7 | 7.214 | 14.63 | 12.27 | .2872 |
| #1 | 76.07 | 2.289 | 3.200 | -.5578 | -.0187 | 4.500 | 2.497 | 1.153 | 1216. |
| #2 | 76.80 | 5.407 | -3.254 | -1.072 | -.8688 | 5.097 | 2.381 | 1.363 | 1212. |
| #3 | 72.33 | 1.603 | 4.536 | 1.086 | -.1038 | 4.518 | 3.106 | 1.475 | 1209. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4099. | 3977. | 2383. | .5736 |
| Stddev | 36. | 41. | 22. | .9302 |
| %RSD | .8714 | 1.031 | .9173 | 162.2 |
| #1 | 4058. | 3949. | 2361. | 1.257 |
| #2 | 4120. | 3958. | 2382. | -.4857 |
| #3 | 4120. | 4024. | 2405. | .9492 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17963. | 32917. | 15208. |
| Stddev | 144. | 186. | 461. |
| %RSD | .79911 | .56646 | 3.0283 |
| #1 | 17868. | 32986. | 15664. |
| #2 | 17892. | 33060. | 15218. |
| #3 | 18128. | 32706. | 14743. |

Sample Name: AN03638 Acquired: 9/25/2011 16:33:04 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 204.8 | 5082. | 5058. | 210.3 | 260.3 | 179.2 | 142500. | 199.0 | 187.5 |
| Stddev | 2.8 | 55. | 51. | 3.0 | .8 | 1.2 | 504. | 2.9 | .8 |
| %RSD | 1.344 | 1.085 | 1.011 | 1.440 | .3040 | .6701 | .3534 | 1.441 | .4433 |
| #1 | 205.7 | 5109. | 5090. | 209.4 | 261.0 | 180.6 | 142700. | 196.5 | 186.5 |
| #2 | 206.9 | 5119. | 5084. | 207.8 | 260.6 | 178.6 | 142900. | 198.4 | 187.8 |
| #3 | 201.7 | 5019. | 4999. | 213.6 | 259.4 | 178.4 | 141900. | 202.1 | 188.1 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 218.0 | 189.6 | 5899. | 5482. | 126900. | 372200. | 342.4 | F 2338000. | 193.6 |
| Stddev | .7 | 1.6 | 28. | 38. | 750. | 1250. | 2.0 | 39410. | 1.0 |
| %RSD | .3244 | .8454 | .4797 | .6927 | .5909 | .3359 | .5734 | 1.686 | .5000 |
| #1 | 217.8 | 189.4 | 5869. | 5441. | 126300. | 370700. | 340.1 | 2326000. | 192.5 |
| #2 | 218.8 | 191.2 | 5926. | 5490. | 126700. | 372900. | 343.7 | 2382000. | 194.3 |
| #3 | 217.4 | 188.0 | 5900. | 5516. | 127800. | 372900. | 343.4 | 2306000. | 194.1 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
High Limit
Low Limit 675000.
-500.0

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 276.4 | 181.5 | 211.0 | 176.2 | 204.8 | 235.3 | 188.9 | 198.8 | 1350. |
| Stddev | 5.7 | 4.3 | 4.5 | 1.8 | 1.5 | 3.8 | .9 | .8 | 4. |
| %RSD | 2.053 | 2.381 | 2.114 | 1.020 | .7434 | 1.601 | .4907 | .4201 | .3013 |
| #1 | 269.9 | 177.6 | 207.9 | 174.3 | 205.5 | 231.6 | 189.1 | 199.2 | 1346. |
| #2 | 278.8 | 186.1 | 216.1 | 177.8 | 205.9 | 235.2 | 189.7 | 199.4 | 1353. |
| #3 | 280.5 | 180.7 | 209.0 | 176.6 | 203.1 | 239.1 | 187.9 | 197.9 | 1352. |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4335. | 4176. | 2594. | 205.8 |
| Stddev | 32. | 44. | 10. | 2.1 |
| %RSD | .7341 | 1.062 | .3744 | 1.005 |
| #1 | 4341. | 4224. | 2584. | 205.4 |
| #2 | 4363. | 4168. | 2604. | 203.9 |
| #3 | 4301. | 4136. | 2593. | 208.0 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18209. | 32565. | 14772. |
| Stddev | 45. | 215. | 227. |
| %RSD | .24853 | .65952 | 1.5352 |
| #1 | 18183. | 32719. | 15026. |
| #2 | 18182. | 32320. | 14589. |
| #3 | 18261. | 32656. | 14701. |

Sample Name: AN03638 SDL Acquired: 9/25/2011 16:37:50 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 5.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 192.7 | 4921. | 5072. | 205.0 | 260.6 | 183.4 | 141400. | 194.9 | 189.6 |
| Stddev | 4.3 | 22. | 116. | 11.6 | 7.1 | 1.1 | 1137. | .5 | 2.6 |
| %RSD | 2.209 | .4388 | 2.282 | 5.672 | 2.732 | .6041 | .8044 | .2703 | 1.367 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|---------|-------|-------|
| #1 | 196.6 | 4908. | 4942. | 197.0 | 254.3 | 182.9 | 140300. | 194.7 | 190.7 |
| #2 | 193.3 | 4910. | 5163. | 218.3 | 268.3 | 184.6 | 142600. | 194.5 | 186.7 |
| #3 | 188.1 | 4946. | 5112. | 199.6 | 259.3 | 182.5 | 141300. | 195.5 | 191.5 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 213.3 | 182.6 | 5774. | 5420. | 116700. | 367900. | 335.4 | F 2766000. | 194.7 |
| Stddev | 3.1 | .8 | 5. | 54. | 563. | 887. | 1.0 | 90940. | 2.4 |
| %RSD | 1.446 | .4446 | .0786 | .9877 | .4829 | .2411 | .3078 | 3.287 | 1.236 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 210.0 | 181.7 | 5775. | 5480. | 116400. | 367500. | 335.2 | 2664000. | 197.3 |
| #2 | 213.5 | 182.6 | 5778. | 5401. | 117300. | 368900. | 334.5 | 2837000. | 192.5 |
| #3 | 216.2 | 183.4 | 5769. | 5378. | 116400. | 367300. | 336.5 | 2798000. | 194.3 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 271.2 | 195.5 | 206.8 | 181.2 | 198.9 | 219.4 | 190.6 | 192.4 | 1372. |
| Stddev | 18.5 | 3.1 | 11.6 | 3.4 | 1.4 | 1.1 | 3.0 | 1.0 | 7. |
| %RSD | 6.827 | 1.576 | 5.596 | 1.850 | .7049 | .4967 | 1.598 | .5337 | .5462 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 266.8 | 193.6 | 195.2 | 183.1 | 199.4 | 218.1 | 189.0 | 191.9 | 1375. |
| #2 | 291.5 | 193.7 | 206.8 | 177.3 | 197.3 | 220.2 | 194.1 | 191.8 | 1377. |
| #3 | 255.3 | 199.0 | 218.3 | 183.2 | 200.0 | 219.7 | 188.8 | 193.6 | 1363. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4142. | 4005. | 2548. | 197.9 |
| Stddev | 50. | 102. | 7. | 3.9 |
| %RSD | 1.207 | 2.557 | .2895 | 1.972 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 4085. | 3890. | 2551. | 201.5 |
| #2 | 4160. | 4086. | 2539. | 198.4 |
| #3 | 4180. | 4038. | 2553. | 193.8 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 19167. | 34940. | 15685. |
| Stddev | 212. | 150. | 205. |
| %RSD | 1.1066 | .42819 | 1.3056 |

| | | | |
|----|--------|--------|--------|
| #1 | 18937. | 34856. | 15907. |
| #2 | 19209. | 35113. | 15504. |
| #3 | 19355. | 34851. | 15645. |

Sample Name: AN03640 Acquired: 9/25/2011 16:42:42 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -0039 | 47.75 | 23.95 | 3.151 | 38.02 | .3535 | 117700. | .0971 | .2215 |
| Stddev | .4704 | 3.21 | 8.39 | 2.977 | .12 | .0993 | 647. | .2068 | .2641 |
| %RSD | 12210. | 6.731 | 35.02 | 94.49 | .3249 | 28.10 | .5493 | 213.0 | 119.3 |

| | | | | | | | | | |
|----|--------|-------|-------|-------|-------|-------|---------|--------|-------|
| #1 | .5350 | 47.05 | 32.32 | 5.929 | 38.10 | .2683 | 117200. | -.0320 | .0116 |
| #2 | -.2144 | 51.25 | 15.54 | .0079 | 37.88 | .4625 | 117500. | -.0123 | .5180 |
| #3 | -.3322 | 44.94 | 23.99 | 3.516 | 38.08 | .3296 | 118400. | .3356 | .1347 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.882 | 2.700 | 418.8 | 397.0 | 108200. | 335800. | 128.6 | F 2239000. | 2.656 |
| Stddev | .573 | .825 | .6 | 6.6 | 520. | 972. | .5 | 11870. | .321 |
| %RSD | 19.88 | 30.55 | .1416 | 1.663 | .4802 | .2894 | .3550 | .5302 | 12.09 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 3.510 | 3.643 | 418.9 | 401.0 | 107800. | 334900. | 128.4 | 2231000. | 2.895 |
| #2 | 2.751 | 2.111 | 419.3 | 400.6 | 108000. | 336800. | 129.2 | 2253000. | 2.780 |
| #3 | 2.387 | 2.346 | 418.1 | 389.3 | 108800. | 335700. | 128.4 | 2233000. | 2.291 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 273.6 | -.3416 | .5220 | -1.994 | .0322 | 16.65 | 3.407 | 2.069 | 1098. |
| Stddev | .7 | 3.863 | 2.403 | 1.409 | .4676 | .14 | .128 | .281 | 8. |
| %RSD | .2478 | 1131. | 460.4 | 70.64 | 1453. | .8159 | 3.749 | 13.57 | .7431 |

| | | | | | | | | | |
|----|-------|--------|--------|--------|--------|-------|-------|-------|-------|
| #1 | 273.0 | -4.294 | 3.201 | -1.325 | -.2837 | 16.51 | 3.554 | 2.072 | 1108. |
| #2 | 273.6 | -.1567 | -.1909 | -3.613 | .5693 | 16.66 | 3.345 | 2.348 | 1096. |
| #3 | 274.3 | 3.426 | -1.444 | -1.045 | -.1891 | 16.79 | 3.323 | 1.787 | 1092. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3133. | 3040. | 2068. | .7800 |
| Stddev | 7. | 26. | 8. | 1.444 |
| %RSD | .2246 | .8654 | .4055 | 185.1 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 3132. | 3013. | 2059. | 2.433 |
| #2 | 3126. | 3066. | 2076. | .1452 |
| #3 | 3140. | 3042. | 2069. | -.2378 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17499. | 33286. | 16209. |
| Stddev | 222. | 261. | 121. |
| %RSD | 1.2703 | .78309 | .74672 |

| | | | |
|----|--------|--------|--------|
| #1 | 17277. | 33190. | 16205. |
| #2 | 17497. | 33086. | 16090. |
| #3 | 17722. | 33581. | 16332. |

Sample Name: AN03642 Acquired: 9/25/2011 16:47:35 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1830 | -26.93 | F -54.21 | 1.025 | 116.6 | .6886 | 166300. | -2580 | -4131 |
| Stddev | .3289 | .87 | 38.68 | 4.439 | .9 | .1993 | 1175. | .3199 | .2884 |
| %RSD | 179.7 | 3.233 | 71.35 | 433.3 | .7833 | 28.95 | .7067 | 124.0 | 69.81 |
| #1 | -.1760 | -27.44 | -14.16 | -1.666 | 115.6 | .5533 | 165000. | -.3877 | -.4360 |
| #2 | .2552 | -27.42 | -57.12 | 5.938 | 117.4 | .9175 | 167200. | -.4926 | -.6894 |
| #3 | .4698 | -25.92 | -91.36 | -2.698 | 116.7 | .5949 | 166700. | .1064 | -.1140 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.596 | -.3648 | 57.61 | 52.89 | 142200. | 383900. | 1853. | F 2546000. | .6018 |
| Stddev | .352 | .6005 | .56 | 4.80 | 1234. | 2808. | 18. | 41270. | .3740 |
| %RSD | 22.05 | 164.6 | .9699 | 9.077 | .8678 | .7314 | .9650 | 1.621 | 62.14 |
| #1 | 1.191 | -.6593 | 57.44 | 58.43 | 140800. | 380800. | 1834. | 2592000. | .5662 |
| #2 | 1.824 | -.7612 | 57.16 | 50.07 | 142800. | 384700. | 1854. | 2512000. | .2469 |
| #3 | 1.773 | .3261 | 58.23 | 50.16 | 143000. | 386300. | 1870. | 2535000. | .9923 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.161 | -1.628 | 2.761 | -1.828 | -.5570 | -.7789 | -.3615 | -.2673 | 1549. |
| Stddev | 2.105 | 2.093 | 4.789 | .469 | .1464 | .1176 | .0521 | .2423 | 8. |
| %RSD | 34.17 | 128.6 | 173.5 | 25.63 | 26.28 | 15.09 | 14.41 | 90.63 | .5351 |
| #1 | 8.276 | -3.216 | 5.363 | -2.320 | -.7256 | -.8440 | -.3165 | -.4247 | 1558. |
| #2 | 4.067 | -2.411 | 5.685 | -1.776 | -.4625 | -.8495 | -.4186 | -.3889 | 1546. |
| #3 | 6.139 | .7437 | -2.766 | -1.387 | -.4830 | -.6432 | -.3495 | .0117 | 1542. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6964. | 6833. | 2534. | .6532 |
| Stddev | 30. | 36. | 23. | .5067 |
| %RSD | .4293 | .5324 | .8955 | 77.58 |
| #1 | 6936. | 6821. | 2509. | 1.119 |
| #2 | 6995. | 6873. | 2540. | .7271 |
| #3 | 6959. | 6803. | 2554. | .1136 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17695. | 32960. | 15699. |
| Stddev | 239. | 221. | 218. |
| %RSD | 1.3519 | .67114 | 1.3892 |
| #1 | 17471. | 32705. | 15950. |
| #2 | 17667. | 33087. | 15563. |
| #3 | 17947. | 33089. | 15583. |

Sample Name: AN03644 Acquired: 9/25/2011 16:52:28 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2003 | -7.372 | -13.62 | 2.540 | 42.93 | .6726 | 116400. | -.0689 | -.1533 |
| Stddev | .4475 | 1.664 | 15.18 | 3.626 | .93 | .4517 | 1083. | .0580 | .2047 |
| %RSD | 223.4 | 22.57 | 111.5 | 142.8 | 2.169 | 67.15 | .9307 | 84.21 | 133.5 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|---------|--------|--------|
| #1 | -.3148 | -6.490 | -6.252 | 1.136 | 42.67 | .2282 | 116500. | -.0308 | .0829 |
| #2 | .4934 | -6.335 | -31.08 | 6.659 | 42.15 | 1.131 | 115200. | -.1357 | -.2786 |
| #3 | .4223 | -9.291 | -3.519 | -.1738 | 43.96 | .6585 | 117300. | -.0402 | -.2642 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.207 | 6.116 | 406.8 | 376.7 | 101200. | 288200. | 88.58 | F 1895000. | 2.773 |
| Stddev | .313 | .803 | 4.1 | 6.1 | 749. | 1597. | .78 | 99480. | .622 |
| %RSD | 9.754 | 13.14 | 1.019 | 1.620 | .7399 | .5541 | .8800 | 5.249 | 22.43 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 3.234 | 6.363 | 402.8 | 374.5 | 100600. | 286400. | 87.70 | 2001000. | 3.489 |
| #2 | 2.882 | 6.767 | 406.4 | 372.0 | 101000. | 288500. | 88.82 | 1881000. | 2.462 |
| #3 | 3.506 | 5.218 | 411.1 | 383.6 | 102100. | 289600. | 89.20 | 1804000. | 2.367 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 134.6 | .4139 | 2.655 | -1.735 | 3.962 | 27.51 | 3.549 | .1277 | 1080. |
| Stddev | 1.3 | 2.920 | .915 | 1.556 | .187 | .57 | .438 | .4590 | 3. |
| %RSD | .9744 | 705.4 | 34.46 | 89.71 | 4.724 | 2.083 | 12.35 | 359.4 | .2895 |

| | | | | | | | | | |
|----|-------|--------|-------|--------|-------|-------|-------|--------|-------|
| #1 | 135.8 | 1.804 | 1.600 | -.3897 | 4.166 | 26.90 | 3.922 | -.3788 | 1081. |
| #2 | 133.2 | -2.941 | 3.224 | -1.375 | 3.798 | 27.59 | 3.066 | .2457 | 1082. |
| #3 | 134.6 | 2.378 | 3.142 | -3.440 | 3.922 | 28.04 | 3.657 | .5162 | 1076. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4840. | 4671. | 1875. | -.9419 |
| Stddev | 53. | 42. | 19. | .6797 |
| %RSD | 1.085 | .9095 | 1.001 | 72.16 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 4823. | 4665. | 1862. | -.5040 |
| #2 | 4798. | 4632. | 1866. | -1.725 |
| #3 | 4899. | 4717. | 1896. | -.5969 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18433. | 33617. | 15533. |
| Stddev | 234. | 187. | 280. |
| %RSD | 1.2716 | .55693 | 1.8013 |

| | | | |
|----|--------|--------|--------|
| #1 | 18163. | 33768. | 15776. |
| #2 | 18545. | 33675. | 15597. |
| #3 | 18590. | 33407. | 15227. |

Sample Name: CCV Acquired: 9/25/2011 16:57:21 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.9 | 4530. | 4899. | 200.1 | 196.8 | 189.0 | 5269. | 209.2 | 196.8 | 228.9 | 196.1 |
| Stddev | 1.6 | 29. | 53. | 1.0 | 2.3 | .1 | 37. | .4 | .5 | 1.3 | 1.9 |
| %RSD | .7971 | .6369 | 1.082 | .5089 | 1.170 | .0554 | .6982 | .1976 | .2543 | .5784 | .9767 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 195.1 | 4506. | 4914. | 199.1 | 195.4 | 189.0 | 5261. | 208.8 | 197.3 | 228.1 | 194.5 |
| #2 | 197.9 | 4521. | 4943. | 200.3 | 199.5 | 188.9 | 5309. | 209.7 | 196.4 | 230.5 | 195.6 |
| #3 | 197.7 | 4562. | 4840. | 201.1 | 195.7 | 189.1 | 5236. | 209.2 | 196.6 | 228.2 | 198.2 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5677. | 5297. | 5312. | 5500. | 231.0 | F 7220. | 206.0 | 207.9 | 185.3 | 209.2 | 201.2 |
| Stddev | 24. | 2. | 21. | 22. | .9 | 219. | .7 | 1.7 | 4.3 | 2.1 | .9 |
| %RSD | .4160 | .0302 | .3862 | .4024 | .3752 | 3.038 | .3514 | .8066 | 2.310 | .9928 | .4371 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5704. | 5296. | 5289. | 5482. | 232.0 | 7411. | 206.7 | 207.4 | 184.9 | 208.0 | 202.2 |
| #2 | 5659. | 5299. | 5330. | 5525. | 230.6 | 7269. | 206.0 | 206.5 | 181.3 | 208.1 | 200.4 |
| #3 | 5670. | 5297. | 5316. | 5493. | 230.3 | 6980. | 205.3 | 209.8 | 189.8 | 211.6 | 201.1 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | 5000. | | | | | |
| Range | | | | | | 20.00% | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 210.0 | 236.9 | 197.7 | 203.9 | 183.8 | 5203. | 5064. | 218.0 | 216.5 |
| Stddev | .7 | .9 | .8 | 1.0 | .3 | 26. | 49. | .7 | .4 |
| %RSD | .3432 | .3723 | .4080 | .4852 | .1489 | .5052 | .9745 | .3001 | .1915 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 209.2 | 236.5 | 197.0 | 203.7 | 184.0 | 5176. | 5061. | 218.0 | 216.9 |
| #2 | 210.6 | 237.9 | 198.6 | 203.0 | 183.5 | 5204. | 5115. | 218.7 | 216.5 |
| #3 | 210.2 | 236.3 | 197.6 | 204.9 | 183.8 | 5228. | 5017. | 217.4 | 216.1 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20150. | 36853. | 16687. |
| Stddev | 85. | 139. | 296. |
| %RSD | .42283 | .37588 | 1.7712 |

| | | | |
|----|--------|--------|--------|
| #1 | 20095. | 36695. | 16569. |
| #2 | 20108. | 36912. | 16468. |
| #3 | 20249. | 36952. | 17023. |

Sample Name: CCB Acquired: 9/25/2011 17:01:59 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1825 | -.4393 | 4.018 | 1.602 | .9239 | .1724 | -4.142 | -.2126 | .1332 | .5211 | -1.218 |
| Stddev | .3798 | .1483 | 4.079 | 1.209 | .1332 | .0317 | 4.932 | .1370 | .0840 | .1646 | .188 |
| %RSD | 208.2 | 33.77 | 101.5 | 75.47 | 14.41 | 18.37 | 119.1 | 64.43 | 63.08 | 31.58 | 15.40 |

| | | | | | | | | | | | |
|----|--------|--------|--------|-------|-------|-------|--------|--------|-------|-------|--------|
| #1 | -.2440 | -.5155 | 7.052 | .2424 | .7871 | .1882 | -2.131 | -.1165 | .1920 | .3467 | -1.067 |
| #2 | .3068 | -.5341 | 5.622 | 2.008 | 1.053 | .1931 | -9.762 | -.1519 | .0370 | .5430 | -1.159 |
| #3 | .4845 | -.2684 | -.6194 | 2.557 | .9314 | .1359 | -.5331 | -.3694 | .1707 | .6736 | -1.428 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4931 | .3726 | -31.65 | 13.49 | -.1823 | F 1205. | -.3929 | 2.950 | 2.348 | 1.427 | -.1896 |
| Stddev | .5930 | 5.390 | 39.26 | 21.62 | .0475 | 58. | .1389 | .370 | 1.906 | 3.962 | .9620 |
| %RSD | 120.3 | 1447. | 124.0 | 160.2 | 26.03 | 4.778 | 35.36 | 12.54 | 81.19 | 277.5 | 507.4 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|-------|--------|-------|-------|--------|--------|
| #1 | -.3112 | 5.458 | -3.404 | 37.97 | -.1427 | 1252. | -.3419 | 2.551 | 1.018 | -2.879 | .8346 |
| #2 | -1.156 | -5.278 | -15.07 | 5.479 | -.2350 | 1223. | -.5501 | 3.017 | 1.494 | 4.916 | -1.074 |
| #3 | -.0123 | .9382 | -76.48 | -2.977 | -.1694 | 1141. | -.2867 | 3.281 | 4.532 | 2.246 | -.3294 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | 1000. | | | | | |
| Low Limit | | | | | | -1000. | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0955 | -.0626 | -.1916 | -.3705 | .8802 | -4.966 | -3.325 | -.7054 | -.8663 |
| Stddev | .2705 | .2442 | .2008 | .1743 | 1.064 | 2.555 | 3.530 | .9005 | .1050 |
| %RSD | 283.3 | 389.8 | 104.8 | 47.03 | 120.9 | 51.44 | 106.2 | 127.7 | 12.12 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|
| #1 | -.3774 | -.1672 | -.3197 | -.3611 | .1889 | -3.643 | -1.332 | -1.393 | -.8914 |
| #2 | .1621 | .2164 | .0398 | -.2012 | .3460 | -3.345 | -1.241 | .3138 | -.9564 |
| #3 | -.0712 | -.2372 | -.2949 | -.5493 | 2.106 | -7.911 | -7.401 | -1.036 | -.7510 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20171. | 37309. | 17265. |
| Stddev | 32. | 365. | 215. |
| %RSD | .15678 | .97944 | 1.2454 |

| | | | |
|----|--------|--------|--------|
| #1 | 20162. | 36888. | 17508. |
| #2 | 20145. | 37545. | 17098. |
| #3 | 20206. | 37494. | 17189. |

Sample Name: AN03646 Acquired: 9/25/2011 17:06:49 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .4026 | 51.86 | 24.14 | .9419 | 101.1 | .6683 | 150800. | -.1316 | -.4223 |
| Stddev | .2411 | 3.28 | 13.64 | 3.013 | .3 | .2462 | 537. | .0477 | .3125 |
| %RSD | 59.88 | 6.328 | 56.51 | 319.9 | .3326 | 36.84 | .3560 | 36.28 | 74.01 |
| #1 | .2685 | 49.99 | 9.803 | -2.502 | 100.8 | .3904 | 150600. | -.0774 | -.2356 |
| #2 | .2584 | 55.65 | 36.95 | 3.091 | 101.4 | .7550 | 150300. | -.1674 | -.7831 |
| #3 | .6809 | 49.94 | 25.65 | 2.237 | 101.1 | .8595 | 151400. | -.1500 | -.2481 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.713 | .4547 | 433.3 | 405.9 | 139500. | 401800. | 219.3 | F 2614000. | .6109 |
| Stddev | .168 | .3920 | 3.7 | 7.5 | 1045. | 2593. | 1.6 | 56780. | .4422 |
| %RSD | 6.173 | 86.19 | .8637 | 1.856 | .7488 | .6453 | .7510 | 2.172 | 72.38 |
| #1 | 2.702 | .0105 | 429.5 | 402.1 | 138500. | 400200. | 217.7 | 2622000. | 1.098 |
| #2 | 2.886 | .7517 | 433.4 | 401.0 | 139500. | 400500. | 219.3 | 2666000. | .2345 |
| #3 | 2.552 | .6020 | 437.0 | 414.6 | 140600. | 404800. | 220.9 | 2554000. | .5002 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36.99 | .7626 | 1.997 | -.2944 | -.1226 | .3556 | 1.667 | 3.835 | 1475. |
| Stddev | 1.10 | 5.453 | 3.933 | 4.102 | .9136 | .1185 | .460 | .369 | 8. |
| %RSD | 2.964 | 715.0 | 197.0 | 1394. | 745.0 | 33.34 | 27.61 | 9.633 | .5641 |
| #1 | 36.58 | 3.071 | -.5190 | -.3097 | .7249 | .2187 | 1.906 | 3.964 | 1483. |
| #2 | 36.15 | 4.681 | 6.529 | -4.389 | -.0024 | .4234 | 1.958 | 4.122 | 1476. |
| #3 | 38.23 | -5.464 | -.0199 | 3.816 | -1.090 | .4247 | 1.136 | 3.418 | 1467. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5698. | 5530. | 2602. | .2433 |
| Stddev | 46. | 15. | 14. | .6947 |
| %RSD | .8109 | .2733 | .5388 | 285.5 |
| #1 | 5722. | 5513. | 2587. | -.5273 |
| #2 | 5727. | 5539. | 2603. | .8215 |
| #3 | 5645. | 5539. | 2615. | .4357 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17566. | 33125. | 16387. |
| Stddev | 217. | 164. | 318. |
| %RSD | 1.2343 | .49430 | 1.9434 |
| #1 | 17364. | 32937. | 16544. |
| #2 | 17539. | 33201. | 16596. |
| #3 | 17795. | 33236. | 16020. |

Sample Name: AN03648 Acquired: 9/25/2011 17:11:43 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1217 | -2.008 | -22.75 | 2.151 | 46.22 | .6206 | 120900. | -.1730 | -.1393 |
| Stddev | .1914 | 3.145 | 23.49 | 2.997 | .56 | .1244 | 319. | .1005 | .7326 |
| %RSD | 157.3 | 156.6 | 103.2 | 139.3 | 1.205 | 20.04 | .2637 | 58.10 | 525.9 |
| #1 | .2886 | 1.151 | 3.168 | -1.301 | 46.28 | .7351 | 121100. | -.1657 | -.4081 |
| #2 | .1636 | -2.037 | -28.79 | 3.680 | 46.75 | .4883 | 121100. | -.2770 | -.6996 |
| #3 | -.0872 | -5.139 | -42.63 | 4.075 | 45.64 | .6384 | 120600. | -.0763 | .6898 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.586 | .8106 | 676.0 | 627.7 | 123000. | 344700. | 445.3 | F 2243000. | 1.193 |
| Stddev | .652 | .2252 | .9 | 1.3 | 478. | 706. | .5 | 44860. | .263 |
| %RSD | 18.19 | 27.79 | .1265 | .2051 | .3884 | .2047 | .1111 | 2.000 | 22.05 |
| #1 | 3.070 | .8468 | 676.2 | 627.7 | 122500. | 344400. | 445.0 | 2236000. | 1.290 |
| #2 | 3.369 | .5694 | 676.8 | 626.4 | 123000. | 344200. | 445.9 | 2291000. | 1.394 |
| #3 | 4.319 | 1.015 | 675.1 | 629.0 | 123500. | 345500. | 445.1 | 2202000. | .8953 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
High Limit
Low Limit 675000.
-500.0

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 140.3 | 1.206 | 2.506 | -2.062 | .6187 | .2287 | 2.394 | 1.269 | 1338. |
| Stddev | 2.3 | .927 | 1.421 | .461 | .2244 | .2270 | .271 | .188 | 7. |
| %RSD | 1.650 | 76.89 | 56.70 | 22.34 | 36.27 | 99.26 | 11.32 | 14.83 | .5588 |
| #1 | 138.8 | 1.258 | 4.038 | -2.573 | .3976 | .2200 | 2.686 | 1.369 | 1341. |
| #2 | 143.0 | .2536 | 2.246 | -1.678 | .6123 | .4599 | 2.150 | 1.052 | 1343. |
| #3 | 139.3 | 2.106 | 1.233 | -1.936 | .8463 | .0062 | 2.346 | 1.385 | 1329. |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3994. | 3865. | 2157. | .6164 |
| Stddev | 16. | 11. | 6. | .2706 |
| %RSD | .3931 | .2788 | .2982 | 43.91 |
| #1 | 4001. | 3878. | 2151. | .3089 |
| #2 | 3976. | 3861. | 2155. | .8184 |
| #3 | 4005. | 3857. | 2164. | .7218 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18501. | 33490. | 15702. |
| Stddev | 289. | 258. | 90. |
| %RSD | 1.5613 | .77047 | .57112 |
| #1 | 18199. | 33220. | 15785. |
| #2 | 18530. | 33515. | 15714. |
| #3 | 18774. | 33734. | 15606. |

Sample Name: AN03650 Acquired: 9/25/2011 17:16:36 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2967 | 10.48 | -14.13 | 1.465 | 116.6 | .7170 | 161900. | -.1464 | -.2195 |
| Stddev | .6872 | 2.54 | 11.82 | 3.254 | 1.3 | .1341 | 1194. | .1332 | .0886 |
| %RSD | 231.6 | 24.23 | 83.67 | 222.1 | 1.129 | 18.71 | .7377 | 91.03 | 40.36 |
| #1 | 1.002 | 7.811 | -14.47 | 4.791 | 116.6 | .5898 | 161300. | -.1202 | -.2943 |
| #2 | .2585 | 12.87 | -2.142 | 1.315 | 115.3 | .8571 | 161000. | -.0282 | -.2425 |
| #3 | -.3705 | 10.77 | -25.78 | -1.711 | 118.0 | .7040 | 163200. | -.2907 | -.1217 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.818 | .2216 | 232.2 | 217.3 | 144000. | 386200. | 1102. | F 2528000. | .7758 |
| Stddev | .719 | .6264 | 2.0 | 10.1 | 1596. | 2327. | 9. | 56490. | .7442 |
| %RSD | 39.53 | 282.7 | .8493 | 4.646 | 1.109 | .6027 | .8073 | 2.234 | 95.93 |
| #1 | 1.181 | -.3101 | 230.8 | 225.3 | 142500. | 383900. | 1095. | 2466000. | 1.633 |
| #2 | 2.598 | .0628 | 231.3 | 206.0 | 143800. | 386000. | 1099. | 2576000. | .2966 |
| #3 | 1.676 | .9121 | 234.4 | 220.5 | 145700. | 388600. | 1112. | 2543000. | .3976 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 28.74 | 1.622 | 3.281 | -2.416 | .0724 | -.2178 | .3581 | 1.215 | 1554. |
| Stddev | 2.63 | 5.567 | 3.733 | .687 | .4705 | .1280 | .4168 | .196 | 7. |
| %RSD | 9.146 | 343.3 | 113.8 | 28.45 | 649.5 | 58.78 | 116.4 | 16.10 | .4267 |
| #1 | 31.22 | 6.524 | 7.444 | -3.022 | .3659 | -.2697 | -.1096 | 1.077 | 1562. |
| #2 | 29.01 | 2.772 | .2303 | -1.669 | .3216 | -.3118 | .6905 | 1.128 | 1550. |
| #3 | 25.99 | -4.431 | 2.170 | -2.556 | -.4702 | -.0720 | .4934 | 1.439 | 1551. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6935. | 6739. | 2546. | .1318 |
| Stddev | 64. | 58. | 19. | 1.440 |
| %RSD | .9180 | .8533 | .7554 | 1092. |
| #1 | 6881. | 6699. | 2530. | -.7943 |
| #2 | 6919. | 6713. | 2541. | 1.791 |
| #3 | 7005. | 6805. | 2567. | -.6010 |

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|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18157. | 33784. | 15776. |
| Stddev | 269. | 364. | 369. |
| %RSD | 1.4789 | 1.0765 | 2.3400 |
| #1 | 17876. | 33630. | 16087. |
| #2 | 18184. | 34200. | 15874. |
| #3 | 18411. | 33523. | 15368. |

Sample Name: AN03652 Acquired: 9/25/2011 17:21:32 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7097 | 73.61 | 62.12 | .2932 | 151.3 | .8220 | 164000. | -.1717 | -.1885 |
| Stddev | .2855 | 3.84 | 11.60 | 3.425 | .9 | .0482 | 1234. | .1510 | .2777 |
| %RSD | 40.23 | 5.219 | 18.67 | 1168. | .5734 | 5.867 | .7526 | 87.99 | 147.3 |

| | | | | | | | | | |
|----|--------|-------|-------|--------|-------|-------|---------|--------|--------|
| #1 | -4269 | 77.91 | 56.44 | 4.240 | 150.6 | .7826 | 162600. | -.3382 | .1030 |
| #2 | -.9979 | 72.40 | 54.45 | -1.455 | 152.3 | .8076 | 164800. | -.1334 | -.2186 |
| #3 | -.7044 | 70.52 | 75.46 | -1.905 | 150.9 | .8758 | 164600. | -.0434 | -.4499 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.223 | .8516 | 2283. | 2121. | 151900. | 408300. | 201.0 | F 2604000. | 1.191 |
| Stddev | .308 | .2835 | 5. | 15. | 1328. | 1649. | .5 | 72940. | .647 |
| %RSD | 7.291 | 33.29 | .2162 | .7008 | .8747 | .4038 | .2458 | 2.800 | 54.33 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 3.958 | .8007 | 2285. | 2120. | 150600. | 406800. | 200.8 | 2623000. | 1.449 |
| #2 | 4.561 | 1.157 | 2277. | 2137. | 151900. | 408000. | 200.7 | 2666000. | .4549 |
| #3 | 4.151 | .5970 | 2286. | 2107. | 153200. | 410100. | 201.6 | 2524000. | 1.670 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 111.4 | .9827 | 2.957 | -2.693 | 4.810 | 2.393 | 1.277 | 6.060 | 1633. |
| Stddev | 3.8 | 2.821 | 2.295 | 2.791 | .865 | .486 | .287 | .966 | 2. |
| %RSD | 3.410 | 287.0 | 77.62 | 103.6 | 17.98 | 20.30 | 22.47 | 15.94 | .1414 |

| | | | | | | | | | |
|----|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| #1 | 111.3 | 1.331 | .3359 | -2.161 | 5.437 | 2.181 | 1.414 | 7.172 | 1630. |
| #2 | 107.6 | -1.996 | 4.606 | -5.711 | 5.169 | 2.049 | .9474 | 5.581 | 1634. |
| #3 | 115.2 | 3.613 | 3.928 | -.2061 | 3.823 | 2.948 | 1.470 | 5.427 | 1635. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 7450. | 7242. | 2709. | .0931 |
| Stddev | 48. | 55. | 4. | .9367 |
| %RSD | .6383 | .7562 | .1318 | 1006. |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 7448. | 7203. | 2706. | -.5925 |
| #2 | 7499. | 7305. | 2713. | -.2886 |
| #3 | 7404. | 7219. | 2709. | 1.160 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18243. | 32860. | 14631. |
| Stddev | 165. | 307. | 155. |
| %RSD | .90678 | .93553 | 1.0615 |

| | | | |
|----|--------|--------|--------|
| #1 | 18075. | 32692. | 14708. |
| #2 | 18248. | 32674. | 14733. |
| #3 | 18406. | 33215. | 14452. |

Sample Name: AN03653 Acquired: 9/25/2011 17:26:24 Type: Unk
 Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
 User: RRecto Instrument: ICAP6300 Method: SOP-C-109
 Comment: JEWETT WHITE (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5415 | -1.723 | 8.224 | 1.279 | 1.365 | .0666 | 10.59 | -2203 | .2687 | -.0643 | -.5196 |
| Stddev | .2401 | .562 | 12.66 | 2.478 | .033 | .1058 | 4.90 | .2457 | .1671 | .5109 | .1676 |
| %RSD | 44.35 | 32.61 | 153.9 | 193.8 | 2.431 | 159.0 | 46.26 | 111.5 | 62.16 | 794.5 | 32.27 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|-------|--------|-------|--------|--------|
| #1 | -.6508 | -1.115 | -3.672 | -1.571 | 1.335 | .1848 | 13.69 | .0437 | .2196 | -.3489 | -.4198 |
| #2 | -.7075 | -2.223 | 6.818 | 2.924 | 1.401 | -.0195 | 13.12 | -.2622 | .1317 | -.3695 | -.7131 |
| #3 | -.2661 | -1.830 | 21.53 | 2.482 | 1.360 | .0345 | 4.940 | -.4422 | .4549 | .5255 | -.4258 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.601 | .9037 | 52.35 | 36.46 | -.2114 | 2769. | -.2250 | -.7104 | .2958 | 3.476 | .2273 |
| Stddev | .153 | 3.341 | 51.29 | 13.67 | .0619 | 238. | .2922 | 3.178 | .3177 | 2.654 | 2.141 |
| %RSD | 9.565 | 369.7 | 97.98 | 37.48 | 29.26 | 8.601 | 129.9 | 447.3 | 107.4 | 76.35 | 942.2 |

| | | | | | | | | | | | |
|----|--------|--------|--------|-------|--------|-------|--------|--------|--------|-------|--------|
| #1 | -1.524 | -2.323 | 70.90 | 20.70 | -.1873 | 3033. | -.1324 | 2.896 | -.0178 | 5.076 | -1.793 |
| #2 | -1.777 | 4.349 | -5.637 | 43.73 | -.2817 | 2702. | -.5523 | -3.101 | .2880 | .4127 | .0024 |
| #3 | -1.502 | .6856 | 91.78 | 44.95 | -.1653 | 2571. | .0096 | -1.926 | .6174 | 4.939 | 2.472 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1882 | -1.419 | -.0487 | -.7086 | -.6634 | -6.835 | 1.625 | -.6228 | -1.030 |
| Stddev | .4965 | .050 | .1796 | .1931 | .7856 | 1.737 | 8.223 | .6617 | 1.380 |
| %RSD | 263.7 | 3.494 | 368.5 | 27.25 | 118.4 | 25.41 | 505.9 | 106.3 | 134.1 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .0683 | -1.427 | -.1722 | -.6490 | .2011 | -8.840 | -4.350 | -.2750 | -1.997 |
| #2 | -.7605 | -1.366 | .1573 | -.5523 | -.8575 | -5.805 | 11.00 | -1.386 | -1.643 |
| #3 | .1275 | -1.464 | -.1313 | -.9244 | -1.334 | -5.859 | -1.778 | -.2075 | .5511 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21100. | 37286. | 15800. |
| Stddev | 73. | 252. | 133. |
| %RSD | .34565 | .67599 | .84222 |

| | | | |
|----|--------|--------|--------|
| #1 | 21145. | 37557. | 15750. |
| #2 | 21139. | 37058. | 15951. |
| #3 | 21016. | 37243. | 15699. |

Sample Name: AN03654 Acquired: 9/25/2011 17:31:12 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3725 | 5.905 | 7.332 | .1572 | 1.531 | .3288 | 184.4 | -.3121 | -.0735 | .0678 | -.1218 |
| Stddev | .4826 | .778 | 12.45 | .4127 | .341 | .0334 | 7.2 | .2744 | .1853 | .4635 | .5298 |
| %RSD | 129.6 | 13.18 | 169.8 | 262.5 | 22.30 | 10.17 | 3.892 | 87.91 | 252.2 | 683.9 | 434.9 |

| | | | | | | | | | | | |
|----|--------|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|
| #1 | -.2715 | 5.525 | .2454 | -.3193 | 1.716 | .3534 | 187.2 | -.3423 | .1381 | -.4094 | -.4825 |
| #2 | .0517 | 6.800 | .0468 | .3928 | 1.137 | .3422 | 189.7 | -.5702 | -.2069 | .5162 | -.3694 |
| #3 | -.8976 | 5.389 | 21.70 | .3981 | 1.740 | .2907 | 176.2 | -.0239 | -.1516 | .0965 | .4865 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 12.17 | 12.58 | 96.99 | 405.1 | .2278 | 4594. | .1804 | 1.408 | 2.355 | .3072 | 1.032 |
| Stddev | .71 | 3.06 | 17.82 | 18.4 | .0374 | 65. | .2282 | 1.824 | 3.350 | 3.633 | 1.666 |
| %RSD | 5.842 | 24.33 | 18.37 | 4.540 | 16.40 | 1.417 | 126.5 | 129.6 | 142.3 | 1183. | 161.4 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|
| #1 | 12.79 | 15.59 | 115.2 | 408.3 | .2279 | 4589. | -.0815 | .1457 | 5.348 | -.9296 | 2.383 |
| #2 | 11.40 | 9.472 | 96.20 | 385.3 | .2651 | 4661. | .3365 | 3.499 | 2.979 | -2.546 | -.8293 |
| #3 | 12.31 | 12.69 | 79.58 | 421.6 | .1904 | 4531. | .2862 | .5787 | -1.263 | 4.397 | 1.542 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2209 | .9652 | -.1287 | -.1622 | .2552 | 4.051 | 13.36 | 1.437 | .5933 |
| Stddev | .3292 | .1683 | .3363 | .1044 | 1.148 | 3.514 | 23.40 | 1.013 | .5305 |
| %RSD | 149.1 | 17.44 | 261.4 | 64.34 | 449.9 | 86.75 | 175.1 | 70.50 | 89.41 |

| | | | | | | | | | |
|----|--------|-------|--------|--------|--------|-------|--------|-------|--------|
| #1 | -.6011 | .7746 | -.4592 | -.1209 | 1.004 | 8.011 | 39.37 | 2.596 | -.0192 |
| #2 | -.0314 | 1.093 | .2132 | -.0849 | .8279 | 2.838 | -5.984 | .7208 | .8958 |
| #3 | -.0302 | 1.028 | -.1400 | -.2810 | -1.067 | 1.304 | 6.711 | .9936 | .9033 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20491. | 37996. | 16142. |
| Stddev | 35. | 741. | 168. |
| %RSD | .16877 | 1.9513 | 1.0428 |

| | | | |
|----|--------|--------|--------|
| #1 | 20454. | 37313. | 16300. |
| #2 | 20496. | 37890. | 15965. |
| #3 | 20522. | 38784. | 16159. |

Sample Name: AN03655 Acquired: 9/25/2011 17:36:01 Type: Unk
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2721 | -26.86 | -42.67 | 1.563 | 115.6 | .6714 | 162500. | -.2941 | -.3115 |
| Stddev | .6743 | 1.40 | 7.60 | 7.773 | .3 | .2269 | 1658. | .0824 | .4312 |
| %RSD | 247.8 | 5.200 | 17.81 | 497.4 | .2969 | 33.79 | 1.020 | 28.01 | 138.4 |
| #1 | -.4548 | -25.91 | -38.25 | -1.634 | 115.6 | .6786 | 162800. | -.2015 | .0690 |
| #2 | .3937 | -26.20 | -51.45 | 10.42 | 115.9 | .4410 | 164000. | -.3594 | -.2236 |
| #3 | .8773 | -28.46 | -38.32 | -4.103 | 115.2 | .8946 | 160700. | -.3213 | -.7799 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.702 | -.5825 | 56.72 | 53.97 | 139300. | 373100. | 1820. | F 2513000. | .3928 |
| Stddev | 1.047 | .0842 | .38 | 3.29 | 1025. | 1278. | 16. | 86310. | .7126 |
| %RSD | 61.54 | 14.46 | .6684 | 6.088 | .7362 | .3427 | .8877 | 3.434 | 181.4 |
| #1 | 1.069 | -.6578 | 56.81 | 50.56 | 138100. | 372600. | 1803. | 2525000. | .3174 |
| #2 | 1.125 | -.5981 | 57.04 | 54.24 | 139800. | 374500. | 1835. | 2594000. | 1.140 |
| #3 | 2.910 | -.4916 | 56.30 | 57.11 | 140000. | 372100. | 1822. | 2422000. | -.2790 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.661 | 1.175 | 2.790 | -3.639 | -.2068 | -.5544 | -.3147 | .1519 | 1548. |
| Stddev | 2.433 | 5.741 | 1.287 | .983 | .3761 | .0968 | .3015 | .1828 | 3. |
| %RSD | 52.21 | 488.6 | 46.13 | 27.02 | 181.9 | 17.46 | 95.82 | 120.4 | .1810 |
| #1 | 2.446 | 5.273 | 2.031 | -4.228 | -.0128 | -.6275 | -.0361 | .3614 | 1551. |
| #2 | 7.265 | -5.387 | 4.277 | -2.504 | .0327 | -.4446 | -.6348 | .0253 | 1547. |
| #3 | 4.270 | 3.638 | 2.064 | -4.185 | -.6402 | -.5911 | -.2731 | .0688 | 1545. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 6855. | 6678. | 2474. | -.1330 |
| Stddev | 27. | 46. | 16. | 1.412 |
| %RSD | .3930 | .6834 | .6544 | 1062. |
| #1 | 6832. | 6693. | 2456. | -.5198 |
| #2 | 6884. | 6714. | 2485. | -1.311 |
| #3 | 6848. | 6627. | 2483. | 1.432 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17815. | 34194. | 16513. |
| Stddev | 204. | 264. | 332. |
| %RSD | 1.1470 | .77080 | 2.0082 |
| #1 | 17599. | 34070. | 16633. |
| #2 | 17843. | 34015. | 16138. |
| #3 | 18004. | 34497. | 16767. |

Sample Name: CCV Acquired: 9/25/2011 17:40:59 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.1 | 4437. | 4854. | 202.2 | 195.4 | 187.7 | 5248. | 210.3 | 195.9 | 226.9 | 194.5 |
| Stddev | 2.9 | 46. | 28. | 1.9 | .4 | .7 | 29. | .2 | .8 | .7 | 1.4 |
| %RSD | 1.510 | 1.038 | .5821 | .9213 | .1911 | .3800 | .5438 | .0962 | .3841 | .2956 | .7350 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 196.1 | 4480. | 4874. | 200.2 | 195.6 | 188.2 | 5237. | 210.1 | 196.7 | 226.8 | 196.0 |
| #2 | 192.7 | 4441. | 4822. | 203.9 | 195.0 | 188.0 | 5226. | 210.4 | 195.7 | 227.6 | 194.3 |
| #3 | 190.3 | 4389. | 4868. | 202.5 | 195.6 | 186.8 | 5280. | 210.5 | 195.2 | 226.3 | 193.2 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5557. | 5217. | 5195. | 5466. | 227.4 | F 6800. | 204.3 | 210.1 | 184.9 | 209.0 | 197.1 |
| Stddev | 31. | 14. | 103. | 43. | 1.1 | 181. | .5 | .9 | 1.8 | 3.6 | 1.1 |
| %RSD | .5611 | .2734 | 1.978 | .7914 | .5026 | 2.654 | .2602 | .4259 | .9662 | 1.733 | .5617 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5569. | 5232. | 5301. | 5474. | 227.8 | 6993. | 204.8 | 211.1 | 183.1 | 211.2 | 196.4 |
| #2 | 5580. | 5215. | 5186. | 5419. | 228.2 | 6772. | 204.4 | 210.0 | 186.7 | 204.8 | 198.3 |
| #3 | 5521. | 5204. | 5096. | 5505. | 226.1 | 6635. | 203.8 | 209.3 | 185.0 | 211.0 | 196.4 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | 5000. | | | | | |
| Range | | | | | | 20.00% | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.7 | 236.8 | 195.2 | 201.2 | 184.9 | 5123. | 5039. | 214.8 | 216.3 |
| Stddev | 1.6 | 1.0 | .7 | 1.0 | 2.3 | 27. | 12. | 1.3 | 1.8 |
| %RSD | .7853 | .4275 | .3583 | .5091 | 1.259 | .5174 | .2470 | .6151 | .8364 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 206.8 | 235.7 | 196.0 | 202.1 | 187.4 | 5139. | 5040. | 213.6 | 214.5 |
| #2 | 208.4 | 237.6 | 195.1 | 201.5 | 184.3 | 5137. | 5027. | 216.2 | 218.1 |
| #3 | 205.1 | 237.3 | 194.6 | 200.1 | 182.9 | 5092. | 5052. | 214.5 | 216.4 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20893. | 38490. | 17341. |
| Stddev | 144. | 409. | 207. |
| %RSD | .68736 | 1.0633 | 1.1921 |

| | | | |
|----|--------|--------|--------|
| #1 | 20777. | 38427. | 17537. |
| #2 | 20849. | 38116. | 17362. |
| #3 | 21053. | 38927. | 17125. |

Sample Name: CCB Acquired: 9/25/2011 17:45:37 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .6050 | -.3425 | -2.411 | -.4798 | 1.173 | .2103 | -8.353 | -.1365 | -.0716 | .3263 | -.2611 |
| Stddev | .5537 | .2073 | 15.11 | .5160 | .079 | .1962 | 1.782 | .1507 | .1119 | .3961 | .8778 |
| %RSD | 91.53 | 60.53 | 626.8 | 107.5 | 6.741 | 93.29 | 21.34 | 110.4 | 156.2 | 121.4 | 336.2 |
| #1 | 1.190 | -.5760 | -7.626 | -.1868 | 1.205 | -.0035 | -9.576 | -.0575 | -.2004 | .1082 | -1.246 |
| #2 | .0887 | -.2717 | -14.22 | -.1771 | 1.232 | .3821 | -6.308 | -.3103 | .0021 | .7835 | .0244 |
| #3 | .5363 | -.1799 | 14.62 | -1.076 | 1.083 | .2525 | -9.175 | -.0418 | -.0166 | .0873 | .4384 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5777 | 1.094 | -19.82 | -1.814 | -.1388 | F 1082. | .2443 | 1.410 | .9649 | -1.875 | .8768 |
| Stddev | .4176 | 3.087 | 33.80 | 5.386 | .0260 | 30. | .4547 | 2.757 | 1.661 | 2.943 | 1.775 |
| %RSD | 72.28 | 282.2 | 170.6 | 297.0 | 18.74 | 2.736 | 186.1 | 195.5 | 172.1 | 157.0 | 202.5 |
| #1 | -.1016 | -.3279 | 12.44 | -1.563 | -.1362 | 1109. | .2650 | -1.331 | -.3336 | .0946 | -.0700 |
| #2 | -.8817 | 4.636 | -16.91 | 3.443 | -.1141 | 1085. | -.2204 | 4.182 | 2.836 | -.4605 | -.2244 |
| #3 | -.7498 | -1.026 | -54.98 | -7.321 | -.1660 | 1050. | .6883 | 1.379 | .3924 | -5.258 | 2.925 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit 1000.
Low Limit -1000.

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3282 | -.1681 | .1069 | -.5418 | -.4920 | -4.285 | 19.57 | -.6164 | -.6119 |
| Stddev | .5050 | .1022 | .4052 | .1844 | 1.464 | 1.478 | 4.18 | .3752 | .9455 |
| %RSD | 153.9 | 60.83 | 379.1 | 34.03 | 297.7 | 34.50 | 21.35 | 60.87 | 154.5 |
| #1 | .1745 | -.1696 | .1627 | -.4063 | .4347 | -4.286 | 24.36 | -1.050 | .8166 |
| #2 | -.8354 | -.2695 | -.3233 | -.7517 | -2.180 | -5.763 | 16.66 | -.4019 | -.4192 |
| #3 | -.3237 | -.0651 | .4813 | -.4674 | .2697 | -2.806 | 17.70 | -.3977 | 1.438 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20548. | 38050. | 17533. |
| Stddev | 231. | 285. | 230. |
| %RSD | 1.1226 | .74916 | 1.3136 |
| #1 | 20713. | 37778. | 17726. |
| #2 | 20284. | 38027. | 17594. |
| #3 | 20646. | 38346. | 17278. |

Sample Name: RL Acquired: 9/25/2011 17:50:26 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.299 | 90.04 | 118.9 | 8.167 | 98.86 | 2.981 | 514.6 | 3.034 | 20.13 | 5.505 | 9.525 |
| Stddev | .414 | 1.81 | 9.3 | 1.763 | .24 | .130 | 1.6 | .108 | .08 | .251 | .212 |
| %RSD | 7.819 | 2.016 | 7.849 | 21.59 | .2402 | 4.351 | .3194 | 3.570 | .4205 | 4.554 | 2.228 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5.725 | 90.45 | 108.1 | 7.787 | 99.00 | 3.125 | 513.2 | 3.139 | 20.21 | 5.269 | 9.483 |
| #2 | 5.277 | 91.61 | 124.4 | 10.09 | 98.58 | 2.942 | 514.2 | 3.039 | 20.13 | 5.769 | 9.756 |
| #3 | 4.897 | 88.05 | 124.2 | 6.624 | 98.98 | 2.874 | 516.4 | 2.923 | 20.04 | 5.478 | 9.338 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 55.75 | 52.93 | 455.7 | 566.3 | 5.613 | F 1836. | 20.38 | 8.194 | 17.10 | 19.37 | 19.08 |
| Stddev | .87 | 1.78 | 20.2 | 25.0 | .134 | 37. | .33 | .714 | 3.51 | 1.67 | 1.85 |
| %RSD | 1.557 | 3.369 | 4.422 | 4.421 | 2.395 | 1.990 | 1.600 | 8.710 | 20.54 | 8.611 | 9.674 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 54.75 | 53.03 | 461.6 | 574.2 | 5.514 | 1837. | 20.75 | 8.878 | 18.29 | 21.29 | 19.71 |
| #2 | 56.24 | 51.10 | 472.3 | 586.5 | 5.558 | 1872. | 20.14 | 8.251 | 19.87 | 18.30 | 17.00 |
| #3 | 56.25 | 54.66 | 433.3 | 538.3 | 5.766 | 1799. | 20.25 | 7.454 | 13.15 | 18.51 | 20.53 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | 1000. | | | | | |
| Range | | | | | | 30.00% | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.30 | 21.69 | 10.18 | 9.870 | 9.162 | 497.9 | 494.6 | 9.830 | 11.04 |
| Stddev | .43 | .10 | .22 | .062 | .346 | 4.0 | 8.5 | .832 | 1.37 |
| %RSD | 2.122 | .4684 | 2.141 | .6264 | 3.780 | .8035 | 1.722 | 8.462 | 12.40 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 20.58 | 21.79 | 10.30 | 9.799 | 9.398 | 499.1 | 489.4 | 10.65 | 10.89 |
| #2 | 19.81 | 21.58 | 10.31 | 9.906 | 8.765 | 501.2 | 504.4 | 8.987 | 9.753 |
| #3 | 20.52 | 21.70 | 9.928 | 9.906 | 9.325 | 493.5 | 489.8 | 9.854 | 12.48 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20267. | 37933. | 17588. |
| Stddev | 115. | 338. | 402. |
| %RSD | .56578 | .89035 | 2.2865 |

| | | | |
|----|--------|--------|--------|
| #1 | 20141. | 37858. | 18051. |
| #2 | 20295. | 38302. | 17332. |
| #3 | 20365. | 37639. | 17380. |

Sample Name: 2RL Acquired: 9/25/2011 17:55:15 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.26 | 180.6 | 189.7 | 16.21 | 198.6 | 5.860 | 1026. | 6.062 | 40.47 | 11.28 | 20.09 |
| Stddev | .25 | 2.0 | 10.6 | 2.90 | 1.2 | .146 | 3. | .199 | .38 | .51 | .15 |
| %RSD | 2.471 | 1.128 | 5.607 | 17.92 | .6178 | 2.499 | .2970 | 3.281 | .9296 | 4.498 | .7631 |
| #1 | 10.54 | 182.6 | 202.0 | 16.23 | 199.9 | 5.769 | 1027. | 6.240 | 40.40 | 10.77 | 20.17 |
| #2 | 10.06 | 180.8 | 184.0 | 13.30 | 197.4 | 5.783 | 1022. | 6.100 | 40.14 | 11.79 | 20.19 |
| #3 | 10.17 | 178.5 | 183.2 | 19.11 | 198.4 | 6.029 | 1028. | 5.847 | 40.88 | 11.29 | 19.91 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 108.5 | 105.5 | 1000. | 1047. | 11.29 | F 2706. | 40.63 | 15.83 | 38.91 | 44.48 | 39.76 |
| Stddev | 1.4 | 3.0 | 18. | 6. | .15 | 3. | .31 | 2.13 | 2.64 | 3.13 | 2.74 |
| %RSD | 1.285 | 2.817 | 1.752 | .5622 | 1.356 | .1006 | .7669 | 13.47 | 6.779 | 7.038 | 6.894 |
| #1 | 107.0 | 106.0 | 986.4 | 1042. | 11.15 | 2704. | 40.27 | 18.01 | 41.85 | 42.97 | 42.47 |
| #2 | 109.0 | 108.2 | 994.0 | 1045. | 11.27 | 2709. | 40.76 | 13.75 | 36.77 | 42.39 | 36.99 |
| #3 | 109.6 | 102.4 | 1020. | 1053. | 11.45 | 2704. | 40.85 | 15.73 | 38.10 | 48.08 | 39.82 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range 2000.
30.00%

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 41.36 | 43.47 | 20.60 | 20.34 | 19.81 | 1004. | 999.2 | 21.02 | 21.86 |
| Stddev | .54 | .55 | .52 | .20 | 1.47 | 2. | 13.6 | 1.04 | .28 |
| %RSD | 1.318 | 1.267 | 2.506 | .9882 | 7.436 | .1516 | 1.360 | 4.930 | 1.295 |
| #1 | 40.73 | 42.84 | 20.08 | 20.14 | 21.42 | 1003. | 1014. | 20.39 | 21.73 |
| #2 | 41.71 | 43.67 | 20.61 | 20.55 | 19.48 | 1003. | 987.4 | 20.46 | 21.67 |
| #3 | 41.64 | 43.88 | 21.11 | 20.33 | 18.53 | 1006. | 996.3 | 22.22 | 22.19 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 19853. | 38131. | 18346. |
| Stddev | 262. | 152. | 259. |
| %RSD | 1.3200 | .39975 | 1.4144 |
| #1 | 19562. | 38007. | 18634. |
| #2 | 19929. | 38085. | 18274. |
| #3 | 20069. | 38301. | 18130. |

Sample Name: IOS Acquired: 9/25/2011 18:00:02 Type: QC
Method: PT_MET(v104) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4367 | 262300. | 285000. | 2.585 | .6491 | .3310 | 292100. | -1.256 | -7817 | .0106 | 2.977 |
| Stddev | .6217 | 4501. | 400. | 2.345 | .2047 | .2316 | 3351. | .231 | .0416 | .5634 | .215 |
| %RSD | 142.4 | 1.716 | .1403 | 90.72 | 31.53 | 69.97 | 1.147 | 18.41 | 5.320 | 5330. | 7.218 |

| | | | | | | | | | | | |
|----|--------|---------|---------|-------|-------|-------|---------|--------|--------|--------|-------|
| #1 | .1038 | 267100. | 284700. | 4.641 | .7776 | .2555 | 289100. | -.9996 | -.7338 | -.6395 | 3.198 |
| #2 | -1.116 | 258200. | 285400. | .0305 | .4131 | .5908 | 291300. | -1.449 | -.8032 | .3584 | 2.769 |
| #3 | -.2978 | 261500. | 284800. | 3.084 | .7566 | .1465 | 295700. | -1.321 | -.8082 | .3128 | 2.964 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 241900. | 290500. | 8.167 | 306600. | .0978 | 302900. | -3.348 | 4.576 | -5.441 | -2.331 | -.9452 |
| Stddev | 2902. | 1685. | 5.066 | 790. | .0524 | 5001. | .687 | 5.198 | 2.093 | 3.015 | 2.855 |
| %RSD | 1.200 | .5799 | 62.03 | .2575 | 53.58 | 1.651 | 20.52 | 113.6 | 38.46 | 129.3 | 302.0 |

| | | | | | | | | | | | |
|----|---------|---------|-------|---------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 243700. | 288700. | 4.346 | 307300. | .1455 | 297400. | -4.088 | 2.518 | -7.697 | -2.492 | -3.622 |
| #2 | 238500. | 292000. | 6.242 | 306700. | .0417 | 307200. | -3.223 | 10.49 | -5.061 | -5.262 | 2.060 |
| #3 | 243400. | 290800. | 13.91 | 305700. | .1063 | 304100. | -2.732 | .7233 | -3.563 | .7609 | -1.273 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2955 | -1.619 | -2.507 | 1.186 | -1.363 | -11.94 | -9.367 | .2643 | 1.529 |
| Stddev | .2315 | .352 | .232 | .066 | 1.858 | 1.47 | 12.95 | .6416 | 1.343 |
| %RSD | 78.34 | 21.74 | 9.250 | 5.561 | 136.3 | 12.34 | 138.3 | 242.7 | 87.81 |

| | | | | | | | | | |
|----|--------|--------|--------|-------|--------|--------|--------|--------|-------|
| #1 | -.5519 | -1.974 | -2.277 | 1.110 | -3.129 | -13.59 | -23.28 | -.2913 | 1.900 |
| #2 | -.2326 | -1.611 | -2.505 | 1.224 | -1.535 | -11.48 | 2.341 | .1177 | .0402 |
| #3 | -.1019 | -1.271 | -2.741 | 1.224 | .5753 | -10.75 | -7.164 | .9666 | 2.649 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 17667. | 35031. | 18158. |
| Stddev | 117. | 304. | 58. |
| %RSD | .66229 | .86900 | .31978 |

| | | | |
|----|--------|--------|--------|
| #1 | 17548. | 34724. | 18224. |
| #2 | 17671. | 35333. | 18115. |
| #3 | 17782. | 35037. | 18134. |

ICP-AES QA/QC CHECKLIST

Page 1 of 2Project Name Juwan White Lead Project No. 11070033Date(s) of Sample Analysis 9/26/11 Date(s) of Sample Prep. 9/25/11Preparer(s): R. Recto Analyst(s): R. Recto(Circle) Matrix: Aqueous Solid Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: TAL Metals)

| | YES | NO | N/A |
|---|-------------------------------------|-------------------------------------|-----|
| A. Analysis performed within holding time of 6 months? | <input checked="" type="checkbox"/> | | |
| B. At least a two point standardization performed? | <input checked="" type="checkbox"/> | | |
| C. ICV run immediately after calibration? | <input checked="" type="checkbox"/> | | |
| D. ICV $\pm 10\%$ for each element of interest? | <input checked="" type="checkbox"/> | | |
| E. % RSD of the 3 ICV replicates $< 20\%$? | <input checked="" type="checkbox"/> | | |
| F. ICB $<$ the Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | | |
| G. RLs (IPC Low Level) within control limits ($\pm 30\%$ RL)? | | <input checked="" type="checkbox"/> | |
| H. IOS concentrations within $\pm 20\%$ of the T.V. for all Spiked elements? | <input checked="" type="checkbox"/> | | |
| I. IOS concentrations $<$ Reporting Limit for all Non-Spiked elements? | <input checked="" type="checkbox"/> | | |
| J. CCV / CCB run at a maximum of 10 samples? | <input checked="" type="checkbox"/> | | |
| K. CCVs within $\pm 20\%$ of the T.V. for non-NPDES projects ($\pm 10\%$ for NPDES)? | <input checked="" type="checkbox"/> | | |
| L. CCBs $<$ the Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | | |

II. DIGESTION BATCH QC: (for the elements of interest stated above)

| | | | |
|--|-------------------------------------|-------------------------------------|--|
| A. Prep Blank $<$ Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | | |
| B. Avg. % Recovery of 2 Aqueous LCSs within $\pm 20\%$ of T.V. for all elements of interest? ($\pm 25\%$ for Solid LCSs or within control limits) | <input checked="" type="checkbox"/> | | |
| C. RPD of the 2 LCSs $< 20\%$ for all elements of interest? ($\pm 25\%$ for Solid LCSs)? | <input checked="" type="checkbox"/> | | |
| D. % Recovery of the Matrix Spike $\pm 20\%$ for all elements of interest? ($\pm 25\%$ for Solid)? | | <input checked="" type="checkbox"/> | |
| E. Was the % Difference between the MS and the Serial Dilution within $\pm 10.0\%$? | | <input checked="" type="checkbox"/> | |
| F. Thallium results $<$ Reporting Limit for all non-spiked samples in this particular project | <input checked="" type="checkbox"/> | | |
| G. For samples with results $>$ Reporting Limit, was the % RSD $< 20\%$? | <input checked="" type="checkbox"/> | | |
| H. Any QA/QC qualifiers? If YES (explain on next page) | <input checked="" type="checkbox"/> | | |
| I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs? | <input checked="" type="checkbox"/> | | |

Completed By: R. RectoDate: 9/28/11Peer Review: Yelena KhushfDate: 10/12/11

QUALIFIERS and SPECIAL COMMENTS

Page 2 of 2

Project Name: JEWETT WHITE LEAD

Project # 11070033

Thirty eight (38) soil samples (AN03657 – 3694) were analyzed for TAL Metals by ICP-AES on 09/26/11. ✓

The RLs for both **Al** and **Fe** were raised to 2RL since their corresponding RLs (start and end) were above the upper acceptance limit of 130%.

(Note: No samples were impacted since all results were greater than 2RLs for these elements)

The Preparation Blank (PBS-2 B19P32) was reported from the re-analysis (time =23:52:51) since the original results were impacted by high iron from prior sample AN03676.

Since their results were > LDR, the following samples were **non-reportable**:

AN03675, AN03676 → Non-reportable for Fe, Zn (See dilution re-analysis on 09/28/11)

AN03678 → Non-reportable for Ca, Pb (See dilution re-analysis on 09/28/11)

Matrix Spike #1:

The percent recoveries of the Matrix Spike (AN03657 MS) were below the lower acceptance limit of 75% for **Pb** and **Zn**. Since the concentrations of **Pb** and **Zn** in the original non-spike sample were greater than 1X the spike concentration, the QC qualifiers associated with these analytes were considered not applicable (N/A).

Matrix Spike #2:

The percent recoveries of the Matrix Spike (AN03675 MS) were outside the control limits of 75 - 125% for **Al, Ba, Ca, Cr, Cu, Fe, Mg, Mn, Ni, Pb, V, and Zn**. Since the concentrations of **Al, Ba, Ca, Cr, Cu, Fe, Mg, Mn, Ni, Pb, V, and Zn** in the original non-spike sample were greater than 1X their corresponding spike concentration, the QC qualifiers associated with these analytes were considered not applicable (N/A).

The % Difference between the Matrix Spike (MS) and the Serial Dilution (SDL) for **Mn** (%D = -11.3) was outside the acceptance range of -10% to +10%. The **Mn** concentration in the original (un-spike) sample > RL was qualified with a "J".

"J" --> **Mn** --> AN03675

| ELEMENT | TRUE VALUE | ICV | %REC | FLAG | REP. LIMIT | ICB | FLAG |
|---------|---------------|-------------|-------|------|------------|-------------|------|
| | ug/L | 26 Sep 2011 | | | ug/L | 26 Sep 2011 | |
| | | 18:43:07 | | | | 18:47:50 | |
| Ag3280 | 200 | 194.6 | 97.3 | PASS | 5 | -0.1303 | PASS |
| Al3082A | 5000 | 4697 | 93.9 | PASS | 100 | -20.44 | PASS |
| Al3082R | 5000 | 4882 | 97.6 | PASS | 100 | -29.15 | PASS |
| As1890 | 200 | 200.5 | 100.3 | PASS | 8 | 1.937 | PASS |
| Ba4554R | 200 | 202.7 | 101.4 | PASS | 100 | 0.4274 | PASS |
| Be3131R | 200 | 197.8 | 98.9 | PASS | 3 | 0.3422 | PASS |
| Ca3179R | 5000 | 5108 | 102.2 | PASS | 500 | -15.47 | PASS |
| Cd2265 | 200 | 202.5 | 101.3 | PASS | 3 | 0.3544 | PASS |
| Co2286 | 200 | 197.3 | 98.7 | PASS | 20 | 0.1286 | PASS |
| Cr2677 | 200 | 212.6 | 106.3 | PASS | 5 | -0.5781 | PASS |
| Cu3247 | 200 | 210.4 | 105.2 | PASS | 5 | 0.3258 | PASS |
| Fe2599A | 5000 | 5163 | 103.3 | PASS | 50 | -21.5 | PASS |
| Fe2599R | 5000 | 5097 | 101.9 | PASS | 50 | -22.03 | PASS |
| K_7664R | 5000 | 5035 | 100.7 | PASS | 500 | 32.4 | PASS |
| Mg2790R | 5000 | 5065 | 101.3 | PASS | 500 | -30.59 | PASS |
| Mn2576 | 200 | 213 | 106.5 | PASS | 5 | 0.2728 | PASS |
| Na5895R | 5000 | 4986 | 99.7 | PASS | 1000 | -126.1 | PASS |
| Ni2316 | 200 | 202 | 101.0 | PASS | 20 | -0.138 | PASS |
| Pb2203 | 200 | 203.1 | 101.6 | PASS | 8 | 1.295 | PASS |
| Sb2068 | 200 | 196.7 | 98.4 | PASS | 20 | -3.834 | PASS |
| Se1960 | 200 | 204.1 | 102.1 | PASS | 20 | 3.589 | PASS |
| Ti1908 | 200 | 202 | 101.0 | PASS | 20 | -1.155 | PASS |
| V_2924 | 200 | 202.4 | 101.2 | PASS | 20 | 0.0374 | PASS |
| Zn2062 | 200 | 212.3 | 106.2 | PASS | 20 | 0.8334 | PASS |
| Mo2020 | 200 | 202.2 | 101.1 | PASS | 10 | 0.5613 | PASS |
| Ti3372 | 200 | 202.8 | 101.4 | PASS | 10 | 0.514 | PASS |
| B_2089 | 200 | 202.8 | 101.4 | PASS | 10 | 2.809 | PASS |
| Si2881A | 5000 | 5002 | 100.0 | PASS | 500 | -5.898 | PASS |
| Si2881R | 5000 | 5005 | 100.1 | PASS | 500 | 4.753 | PASS |
| Sr3464 | 200 | 200.9 | 100.5 | PASS | 10 | -0.0072 | PASS |
| Sn1899 | 200 | 206.6 | 103.3 | PASS | 10 | 1.213 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | ACCEPTANCE LIMITS | | RL START | %REC | FLAG | RL END | %REC | FLAG |
|---------|---------------|----------------------|------|-------------|-------|------|-------------|-------|------|
| | ug/L | ug/L | ug/L | 26 Sep 2011 | | | 27 Sep 2011 | | |
| | | | | 18:52:39 | | | 00:21:15 | | |
| Ag3280 | 5 | 3.5 | 6.5 | 5.217 | 104.3 | PASS | 4.781 | 95.6 | PASS |
| Al3082A | 100 | 70.0 | 130 | 75.94 | 75.9 | PASS | 75.59 | 75.6 | PASS |
| Al3082R | 100 | 70.0 | 130 | 67.45 | 67.5 | FAIL | 53.63 | 53.6 | FAIL |
| As1890 | 8 | 5.6 | 10.4 | 9.171 | 114.6 | PASS | 7.796 | 97.5 | PASS |
| Ba4554R | 100 | 70.0 | 130 | 102.4 | 102.4 | PASS | 104.9 | 104.9 | PASS |
| Be3131R | 3 | 2.1 | 3.9 | 3.173 | 105.8 | PASS | 3.169 | 105.6 | PASS |
| Ca3179R | 500 | 350 | 650 | 481.9 | 96.4 | PASS | 494.2 | 98.8 | PASS |
| Cd2265 | 3 | 2.1 | 3.9 | 2.959 | 98.6 | PASS | 2.851 | 95.0 | PASS |
| Co2286 | 20 | 14.0 | 26.0 | 19.96 | 99.8 | PASS | 20.13 | 100.7 | PASS |
| Cr2677 | 5 | 3.5 | 6.5 | 3.904 | 78.1 | PASS | 5.278 | 105.6 | PASS |
| Cu3247 | 10 | 7.0 | 13.0 | 11.05 | 110.5 | PASS | 11.13 | 111.3 | PASS |
| Fe2599A | 50 | 35.0 | 65.0 | 31.13 | 62.3 | FAIL | 35.28 | 70.6 | PASS |
| Fe2599R | 50 | 35.0 | 65.0 | 31.24 | 62.5 | FAIL | 30.3 | 60.6 | FAIL |
| K_7664R | 500 | 350 | 650 | 556.2 | 111.2 | PASS | 493.9 | 98.8 | PASS |
| Mg2790R | 500 | 350 | 650 | 464.3 | 92.9 | PASS | 483.5 | 96.7 | PASS |
| Mn2576 | 5 | 3.5 | 6.5 | 5.382 | 107.6 | PASS | 5.666 | 113.3 | PASS |
| Na5895R | 1000 | 700 | 1300 | 890.4 | 89.0 | PASS | 875.1 | 87.5 | PASS |
| Ni2316 | 20 | 14.0 | 26.0 | 19.33 | 96.7 | PASS | 19.65 | 98.3 | PASS |
| Pb2203 | 8 | 5.6 | 10.4 | 8.29 | 103.6 | PASS | 9.768 | 122.1 | PASS |
| Sb2068 | 20 | 14.0 | 26.0 | 15.37 | 76.9 | PASS | 14.65 | 73.3 | PASS |
| Se1960 | 20 | 14.0 | 26.0 | 20 | 100.0 | PASS | 22.76 | 113.8 | PASS |
| Tl1908 | 20 | 14.0 | 26.0 | 19.98 | 99.9 | PASS | 19.67 | 98.4 | PASS |
| V_2924 | 20 | 14.0 | 26.0 | 20.82 | 104.1 | PASS | 21.11 | 105.6 | PASS |
| Zn2062 | 20 | 14.0 | 26.0 | 17.73 | 88.7 | PASS | 20.08 | 100.4 | PASS |
| Mo2020 | 10 | 7.0 | 13.0 | 10.62 | 106.2 | PASS | 9.901 | 99.0 | PASS |
| Ti3372 | 10 | 7.0 | 13.0 | 10.67 | 106.7 | PASS | 10.39 | 103.9 | PASS |
| B_2089 | 10 | 7.0 | 13.0 | 12.19 | 121.9 | PASS | 7.43 | 74.3 | PASS |
| Si2881A | 500 | 350 | 650 | 491.2 | 98.2 | PASS | 515.7 | 103.1 | PASS |
| Si2881R | 500 | 350 | 650 | 486.5 | 97.3 | PASS | 463.6 | 92.7 | PASS |
| Sr3464 | 10 | 7.0 | 13.0 | 10.08 | 100.8 | PASS | 10.92 | 109.2 | PASS |
| Sn1899 | 10 | 7.0 | 13.0 | 10.77 | 107.7 | PASS | 10.54 | 105.4 | PASS |

Raised RL to 2RL

Raised RL to 2RL

Raised RL to 2RL

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | ACCEPTANCE LIMITS | | 2RL START | %REC | FLAG | 2RL END | %REC | FLAG |
|---------|---------------|----------------------|------|--------------|-------|------|-------------|-------|------|
| | ug/L | ug/L | ug/L | 26 Sep 2011 | | | 27 Sep 2011 | | |
| | | | | 18:57:28 | | | 00:26:02 | | |
| Ag3280 | 10 | 7.0 | 13.0 | 10.24 | 102.4 | PASS | 10.04 | 100.4 | PASS |
| Al3082A | 200 | 140 | 260 | 172.4 | 86.2 | PASS | 171.4 | 85.7 | PASS |
| Al3082R | 200 | 140 | 260 | 167.8 | 83.9 | PASS | 175.3 | 87.7 | PASS |
| As1890 | 16 | 11.2 | 20.8 | 16.22 | 101.4 | PASS | 16.67 | 104.2 | PASS |
| Ba4554R | 200 | 140 | 260 | 205 | 102.5 | PASS | 211.7 | 105.9 | PASS |
| Be3131R | 6 | 4.2 | 7.8 | 6.386 | 106.4 | PASS | 6.125 | 102.1 | PASS |
| Ca3179R | 1000 | 700 | 1300 | 988.8 | 98.9 | PASS | 1011 | 101.1 | PASS |
| Cd2265 | 6 | 4.2 | 7.8 | 5.825 | 97.1 | PASS | 6.079 | 101.3 | PASS |
| Co2286 | 40 | 28.0 | 52.0 | 39.89 | 99.7 | PASS | 40.01 | 100.0 | PASS |
| Cr2677 | 10 | 7.0 | 13.0 | 9.811 | 98.1 | PASS | 11.07 | 110.7 | PASS |
| Cu3247 | 20 | 16.0 | 24 | 21.98 | 109.9 | PASS | 21.54 | 107.7 | PASS |
| Fe2599A | 100 | 70.0 | 130 | 82.52 | 82.5 | PASS | 89.4 | 89.4 | PASS |
| Fe2599R | 100 | 70.0 | 130 | 79.22 | 79.2 | PASS | 73.61 | 73.6 | PASS |
| K_7664R | 1000 | 700 | 1300 | 1038 | 103.8 | PASS | 1037 | 103.7 | PASS |
| Mg2790R | 1000 | 700 | 1300 | 953.7 | 95.4 | PASS | 993 | 99.3 | PASS |
| Mn2576 | 10 | 7.0 | 13.0 | 10.66 | 106.6 | PASS | 11.4 | 114.0 | PASS |
| Na5895R | 2000 | 1400 | 2600 | 1900 | 95.0 | PASS | 1918 | 95.9 | PASS |
| Ni2316 | 40 | 28.0 | 52.0 | 39.28 | 98.2 | PASS | 39.91 | 99.8 | PASS |
| Pb2203 | 16 | 11.2 | 20.8 | 15.84 | 99.0 | PASS | 18.48 | 115.5 | PASS |
| Sb2068 | 40 | 28.0 | 52.0 | 36.18 | 90.5 | PASS | 32.97 | 82.4 | PASS |
| Se1960 | 40 | 28.0 | 52.0 | 42.03 | 105.1 | PASS | 43.83 | 109.6 | PASS |
| Ti1908 | 40 | 28.0 | 52.0 | 39.35 | 98.4 | PASS | 38.6 | 96.5 | PASS |
| V_2924 | 40 | 28.0 | 52.0 | 40.7 | 101.8 | PASS | 42.17 | 105.4 | PASS |
| Zn2062 | 40 | 28.0 | 52.0 | 38.66 | 96.7 | PASS | 43.46 | 108.7 | PASS |
| Mo2020 | 20 | 14.0 | 26.0 | 20.76 | 103.8 | PASS | 20.13 | 100.7 | PASS |
| Ti3372 | 20 | 14.0 | 26.0 | 20.77 | 103.9 | PASS | 20.98 | 104.9 | PASS |
| B_2089 | 20 | 14.0 | 26.0 | 21.16 | 105.8 | PASS | 17.48 | 87.4 | PASS |
| Si2881A | 1000 | 700 | 1300 | 985 | 98.5 | PASS | 1043 | 104.3 | PASS |
| Si2881R | 1000 | 700 | 1300 | 998.3 | 99.8 | PASS | 986.8 | 98.7 | PASS |
| Sr3464 | 20 | 14.0 | 26.0 | 20.13 | 100.7 | PASS | 21.61 | 108.1 | PASS |
| Sn1899 | 20 | 14.0 | 26.0 | 20.35 | 101.8 | PASS | 22.14 | 110.7 | PASS |

Note: Darkened areas were not analytes of interest

ICAP 6300 QC

IOS - ug/L

| ELEMENT | TRUE VALUE | LOWER LIMIT | UPPER LIMIT | IOS START | %REC | FLAG | IOS END | %REC | FLAG | COMMENTS |
|---------|---------------|----------------|----------------|--------------|------|------|-------------|-------|------|------------------|
| | ug/L | ug/L | ug/L | 26 Sep 2011 | | | 27 Sep 2011 | | | |
| | | | | 19:02:16 | | | 00:30:48 | | | |
| Ag3280 | 0 | -5.0 | 5.0 | -0.8039 | | PASS | -0.6435 | | PASS | |
| Al3082A | 300000 | 200000 | 300000 | 271500 | *N/A | *N/A | 272900 | *N/A | *N/A | switch to radial |
| Al3082R | 300000 | 200000 | 300000 | 287600 | 95.9 | PASS | 292700 | 97.6 | PASS | |
| As1890 | 0 | -8.0 | 8.0 | 0.4889 | | PASS | -2.634 | | PASS | |
| Ba4554R | 0 | -100 | 100 | -0.1367 | | PASS | 0.8226 | | PASS | |
| Be3131R | 0 | -3.0 | 3.0 | 0.3414 | | PASS | 0.7094 | | PASS | |
| Ca3179R | 300000 | 200000 | 300000 | 285500 | 95.2 | PASS | 296900 | 99.0 | PASS | |
| Cd2265 | 0 | -3.0 | 3.0 | 0.724 | | PASS | -1.737 | | PASS | |
| Co2286 | 0 | -20.0 | 20.0 | -0.9841 | | PASS | -1.412 | | PASS | |
| Cr2677 | 0 | -5.0 | 5.0 | 0.1006 | | PASS | -0.3794 | | PASS | |
| Cu3247 | 0 | -5.0 | 5.0 | 5.026 | | FAIL | 5.143 | | FAIL | |
| Fe2599A | 300000 | 200000 | 300000 | 221400 | *N/A | *N/A | ^ ***** | *N/A | *N/A | switch to radial |
| Fe2599R | 300000 | 200000 | 300000 | 282000 | 94.0 | PASS | 285400 | 95.1 | PASS | |
| K_7664R | 0 | -500 | 500 | 35.59 | | PASS | 74.24 | | PASS | |
| Mg2790R | 300000 | 200000 | 300000 | 287800 | 95.9 | PASS | 295800 | 98.6 | PASS | |
| Mn2576 | 0 | -5.0 | 5.0 | 0.0693 | | PASS | -0.035 | | PASS | |
| Na5895R | 300000 | 200000 | 300000 | 299600 | 99.9 | PASS | 307200 | 102.4 | PASS | |
| Ni2316 | 0 | -20.0 | 20.0 | -2.372 | | PASS | -1.452 | | PASS | |
| Pb2203 | 0 | -8.0 | 8.0 | -7.811 | | PASS | 7.884 | | PASS | |
| Sb2068 | 0 | -20.0 | 20.0 | -4.319 | | PASS | 0.292 | | PASS | |
| Se1960 | 0 | -20.0 | 20.0 | -2.707 | | PASS | -6.062 | | PASS | |
| Ti1908 | 0 | -20.0 | 20.0 | 3.564 | | PASS | 0.8131 | | PASS | |
| V_2924 | 0 | -20.0 | 20.0 | -0.0757 | | PASS | -0.3432 | | PASS | |
| Zn2062 | 0 | -20.0 | 20.0 | -2.283 | | PASS | -1.809 | | PASS | |
| Mo2020 | 0 | -10.0 | 10.0 | -2.377 | | PASS | -2.133 | | PASS | |
| Ti3372 | 0 | -10.0 | 10.0 | 2.031 | | PASS | 1.552 | | PASS | |
| B_2089 | 0 | -10.0 | 10.0 | -5.875 | | PASS | -8.592 | | PASS | |
| Si2881A | 0 | -500 | 500 | -15.51 | | PASS | -25.47 | | PASS | |
| Si2881R | 0 | -500 | 500 | -2.126 | | PASS | -21.16 | | PASS | |
| Sr3464 | 0 | -10.0 | 10.0 | 0.7425 | | PASS | 0.7516 | | PASS | |
| Sn1899 | 0 | -10.0 | 10.0 | 3.653 | | PASS | 2.579 | | PASS | |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-1 | %REC | FLAG | REP. LIMIT | CCB-1 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 26 Sep 2011 | | | ug/L | 26 Sep 2011 | |
| | | 19:58:40 | | | | 20:03:18 | |
| Ag3280 | 200 | 198.6 | 99.3 | PASS | 5 | 0.1234 | PASS |
| Al3082A | 5000 | 4756 | 95.1 | PASS | 100 | -16.63 | PASS |
| Al3082R | 5000 | 4852 | 97.0 | PASS | 100 | -21.91 | PASS |
| As1890 | 200 | 194.9 | 97.5 | PASS | 8 | -2.873 | PASS |
| Ba4554R | 200 | 200.8 | 100.4 | PASS | 100 | -0.1222 | PASS |
| Be3131R | 200 | 194.4 | 97.2 | PASS | 3 | 0.0725 | PASS |
| Ca3179R | 5000 | 5022 | 100.4 | PASS | 500 | -18.88 | PASS |
| Cd2265 | 200 | 197.1 | 98.6 | PASS | 3 | -0.0622 | PASS |
| Co2286 | 200 | 192.8 | 96.4 | PASS | 20 | -0.0227 | PASS |
| Cr2677 | 200 | 212.1 | 106.1 | PASS | 5 | -0.7773 | PASS |
| Cu3247 | 200 | 206.3 | 103.2 | PASS | 5 | 0.2332 | PASS |
| Fe2599A | 5000 | 5359 | 107.2 | PASS | 50 | -16.16 | PASS |
| Fe2599R | 5000 | 5115 | 102.3 | PASS | 50 | -17.96 | PASS |
| K_7664R | 5000 | 5061 | 101.2 | PASS | 500 | -17.31 | PASS |
| Mg2790R | 5000 | 5005 | 100.1 | PASS | 500 | -34.71 | PASS |
| Mn2576 | 200 | 216.5 | 108.3 | PASS | 5 | -0.0217 | PASS |
| Na5895R | 5000 | 4998 | 100.0 | PASS | 1000 | -143.4 | PASS |
| Ni2316 | 200 | 199.3 | 99.7 | PASS | 20 | 0.1471 | PASS |
| Pb2203 | 200 | 197.9 | 99.0 | PASS | 8 | -1.245 | PASS |
| Sb2068 | 200 | 192.2 | 96.1 | PASS | 20 | -0.4145 | PASS |
| Se1960 | 200 | 204.9 | 102.5 | PASS | 20 | 1.65 | PASS |
| Ti1908 | 200 | 198.5 | 99.3 | PASS | 20 | -2.536 | PASS |
| V_2924 | 200 | 203.8 | 101.9 | PASS | 20 | -0.1394 | PASS |
| Zn2062 | 200 | 209.9 | 105.0 | PASS | 20 | -0.4952 | PASS |
| Mo2020 | 200 | 198.4 | 99.2 | PASS | 10 | -0.1268 | PASS |
| Ti3372 | 200 | 201.8 | 100.9 | PASS | 10 | -0.0968 | PASS |
| B_2089 | 200 | 189.8 | 94.9 | PASS | 10 | -0.7206 | PASS |
| Si2881A | 5000 | 5039 | 100.8 | PASS | 500 | -7.712 | PASS |
| Si2881R | 5000 | 4885 | 97.7 | PASS | 500 | -4.276 | PASS |
| Sr3464 | 200 | 202.6 | 101.3 | PASS | 10 | -0.3051 | PASS |
| Sn1899 | 200 | 203.4 | 101.7 | PASS | 10 | 0.8764 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-2 | %REC | FLAG | REP. LIMIT | CCB-2 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 26 Sep 2011 | | | ug/L | 26 Sep 2011 | |
| | | 20:59:12 | | | | 21:03:51 | |
| Ag3280 | 200 | 199 | 99.5 | PASS | 5 | -0.3759 | PASS |
| Al3082A | 5000 | 4744 | 94.9 | PASS | 100 | -19.16 | PASS |
| Al3082R | 5000 | 4881 | 97.6 | PASS | 100 | -28.62 | PASS |
| As1890 | 200 | 198.3 | 99.2 | PASS | 8 | -2.507 | PASS |
| Ba4554R | 200 | 203.1 | 101.6 | PASS | 100 | 0.4037 | PASS |
| Be3131R | 200 | 191.8 | 95.9 | PASS | 3 | 0.0125 | PASS |
| Ca3179R | 5000 | 5075 | 101.5 | PASS | 500 | -21.57 | PASS |
| Cd2265 | 200 | 201.4 | 100.7 | PASS | 3 | -0.1566 | PASS |
| Co2286 | 200 | 193.7 | 96.9 | PASS | 20 | -0.3283 | PASS |
| Cr2677 | 200 | 217.5 | 108.8 | PASS | 5 | -0.8149 | PASS |
| Cu3247 | 200 | 206.2 | 103.1 | PASS | 5 | -0.0782 | PASS |
| Fe2599A | 5000 | 5410 | 108.2 | PASS | 50 | -18.21 | PASS |
| Fe2599R | 5000 | 5062 | 101.2 | PASS | 50 | -22.29 | PASS |
| K_7664R | 5000 | 5077 | 101.5 | PASS | 500 | 25.58 | PASS |
| Mg2790R | 5000 | 5042 | 100.8 | PASS | 500 | -41.79 | PASS |
| Mn2576 | 200 | 219 | 109.5 | PASS | 5 | -0.0793 | PASS |
| Na5895R | 5000 | 4997 | 99.9 | PASS | 1000 | -144.1 | PASS |
| Ni2316 | 200 | 199.6 | 99.8 | PASS | 20 | -0.3199 | PASS |
| Pb2203 | 200 | 203.3 | 101.7 | PASS | 8 | 0.4223 | PASS |
| Sb2068 | 200 | 190.4 | 95.2 | PASS | 20 | -3.091 | PASS |
| Se1960 | 200 | 203.9 | 102.0 | PASS | 20 | 0.2456 | PASS |
| Ti1908 | 200 | 198.1 | 99.1 | PASS | 20 | -0.7247 | PASS |
| V_2924 | 200 | 206.9 | 103.5 | PASS | 20 | 0.1049 | PASS |
| Zn2062 | 200 | 217 | 108.5 | PASS | 20 | -0.4368 | PASS |
| Mo2020 | 200 | 197.1 | 98.6 | PASS | 10 | -0.6879 | PASS |
| Ti3372 | 200 | 202.1 | 101.1 | PASS | 10 | 0.1682 | PASS |
| B_2089 | 200 | 189 | 94.5 | PASS | 10 | -1.633 | PASS |
| Si2881A | 5000 | 5123 | 102.5 | PASS | 500 | -8.993 | PASS |
| Si2881R | 5000 | 4947 | 98.9 | PASS | 500 | 0.1786 | PASS |
| Sr3464 | 200 | 205.7 | 102.9 | PASS | 10 | 0.0703 | PASS |
| Sn1899 | 200 | 207.6 | 103.8 | PASS | 10 | 0.9275 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-3 | %REC | FLAG | REP. LIMIT | CCB-3 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 26 Sep 2011 | | | ug/L | 26 Sep 2011 | |
| | | 22:00:44 | | | | 22:05:22 | |
| Ag3280 | 200 | 196.5 | 98.3 | PASS | 5 | -0.6937 | PASS |
| Al3082A | 5000 | 4676 | 93.5 | PASS | 100 | -17.65 | PASS |
| Al3082R | 5000 | 4912 | 98.2 | PASS | 100 | -19.92 | PASS |
| As1890 | 200 | 199.1 | 99.6 | PASS | 8 | -0.2701 | PASS |
| Ba4554R | 200 | 204.6 | 102.3 | PASS | 100 | 0.5059 | PASS |
| Be3131R | 200 | 189.6 | 94.8 | PASS | 3 | 0.1965 | PASS |
| Ca3179R | 5000 | 5142 | 102.8 | PASS | 500 | -16.12 | PASS |
| Cd2265 | 200 | 204.5 | 102.3 | PASS | 3 | -0.1322 | PASS |
| Co2286 | 200 | 195.1 | 97.6 | PASS | 20 | -0.2159 | PASS |
| Cr2677 | 200 | 218.8 | 109.4 | PASS | 5 | -0.7407 | PASS |
| Cu3247 | 200 | 204.1 | 102.1 | PASS | 5 | 0.7513 | PASS |
| Fe2599A | 5000 | 5408 | 108.2 | PASS | 50 | -3.915 | PASS |
| Fe2599R | 5000 | 5054 | 101.1 | PASS | 50 | -6.865 | PASS |
| K_7664R | 5000 | 5103 | 102.1 | PASS | 500 | -32.05 | PASS |
| Mg2790R | 5000 | 5090 | 101.8 | PASS | 500 | -28.77 | PASS |
| Mn2576 | 200 | 218.6 | 109.3 | PASS | 5 | 0.0455 | PASS |
| Na5895R | 5000 | 5027 | 100.5 | PASS | 1000 | -174.9 | PASS |
| Ni2316 | 200 | 202.2 | 101.1 | PASS | 20 | -0.2491 | PASS |
| Pb2203 | 200 | 209.5 | 104.8 | PASS | 8 | 1.55 | PASS |
| Sb2068 | 200 | 191.8 | 95.9 | PASS | 20 | -0.7891 | PASS |
| Se1960 | 200 | 204.6 | 102.3 | PASS | 20 | 3.238 | PASS |
| Ti1908 | 200 | 196.3 | 98.2 | PASS | 20 | 0.6324 | PASS |
| V_2924 | 200 | 205.6 | 102.8 | PASS | 20 | -0.0238 | PASS |
| Zn2062 | 200 | 229.5 | 114.8 | PASS | 20 | 3.328 | PASS |
| Mo2020 | 200 | 196.2 | 98.1 | PASS | 10 | -0.6232 | PASS |
| Ti3372 | 200 | 200.3 | 100.2 | PASS | 10 | 0.07 | PASS |
| B_2089 | 200 | 189.4 | 94.7 | PASS | 10 | -1.753 | PASS |
| Si2881A | 5000 | 5108 | 102.2 | PASS | 500 | -6.997 | PASS |
| Si2881R | 5000 | 5007 | 100.1 | PASS | 500 | 13.24 | PASS |
| Sr3464 | 200 | 206.2 | 103.1 | PASS | 10 | -0.0338 | PASS |
| Sn1899 | 200 | 209.5 | 104.8 | PASS | 10 | 0.1596 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-4 | %REC | FLAG | REP. LIMIT | CCB-4 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 26 Sep 2011 | | | ug/L | 26 Sep 2011 | |
| | | 23:01:56 | | | | 23:06:33 | |
| Ag3280 | 200 | 196 | 98.0 | PASS | 5 | 0.3005 | PASS |
| Al3082A | 5000 | 4670 | 93.4 | PASS | 100 | -16.03 | PASS |
| Al3082R | 5000 | 4879 | 97.6 | PASS | 100 | -7.979 | PASS |
| As1890 | 200 | 203.9 | 102.0 | PASS | 8 | -3.335 | PASS |
| Ba4554R | 200 | 204.1 | 102.1 | PASS | 100 | 1.489 | PASS |
| Be3131R | 200 | 186.3 | 93.2 | PASS | 3 | 0.1603 | PASS |
| Ca3179R | 5000 | 5129 | 102.6 | PASS | 500 | -13.41 | PASS |
| Cd2265 | 200 | 207.5 | 103.8 | PASS | 3 | -0.1066 | PASS |
| Co2286 | 200 | 195.2 | 97.6 | PASS | 20 | -0.1843 | PASS |
| Cr2677 | 200 | 223.2 | 111.6 | PASS | 5 | -0.905 | PASS |
| Cu3247 | 200 | 203.4 | 101.7 | PASS | 5 | 0.0908 | PASS |
| Fe2599A | 5000 | 5401 | 108.0 | PASS | 50 | -10.13 | PASS |
| Fe2599R | 5000 | 5006 | 100.1 | PASS | 50 | -15.72 | PASS |
| K_7664R | 5000 | 5139 | 102.8 | PASS | 500 | -58.66 | PASS |
| Mg2790R | 5000 | 5131 | 102.6 | PASS | 500 | -39.39 | PASS |
| Mn2576 | 200 | 218.5 | 109.3 | PASS | 5 | 0.0528 | PASS |
| Na5895R | 5000 | 5047 | 100.9 | PASS | 1000 | -133.7 | PASS |
| Ni2316 | 200 | 202.6 | 101.3 | PASS | 20 | -0.2977 | PASS |
| Pb2203 | 200 | 210.7 | 105.4 | PASS | 8 | 2.648 | PASS |
| Sb2068 | 200 | 190.9 | 95.5 | PASS | 20 | -0.7933 | PASS |
| Se1960 | 200 | 209.1 | 104.6 | PASS | 20 | 1.426 | PASS |
| Ti1908 | 200 | 200.2 | 100.1 | PASS | 20 | -2.678 | PASS |
| V_2924 | 200 | 206.1 | 103.1 | PASS | 20 | -0.1839 | PASS |
| Zn2062 | 200 | 229.4 | 114.7 | PASS | 20 | 0.6387 | PASS |
| Mo2020 | 200 | 195.6 | 97.8 | PASS | 10 | -0.0807 | PASS |
| Ti3372 | 200 | 199.7 | 99.9 | PASS | 10 | 0.0578 | PASS |
| B_2089 | 200 | 186.8 | 93.4 | PASS | 10 | -2.658 | PASS |
| Si2881A | 5000 | 5173 | 103.5 | PASS | 500 | -14.95 | PASS |
| Si2881R | 5000 | 4922 | 98.4 | PASS | 500 | -10.74 | PASS |
| Sr3464 | 200 | 206.4 | 103.2 | PASS | 10 | 0.0683 | PASS |
| Sn1899 | 200 | 211.4 | 105.7 | PASS | 10 | 1.87 | PASS |

Note: Darkened areas were not analytes of interest

| ELEMENT | TRUE VALUE | CCV-5 | %REC | FLAG | REP. LIMIT | CCB-5 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 27 Sep 2011 | | | ug/L | 27 Sep 2011 | |
| | | 00:02:29 | | | | 00:07:05 | |
| Ag3280 | 200 | 194.2 | 97.1 | PASS | 5 | -0.5482 | PASS |
| Al3082A | 5000 | 4618 | 92.4 | PASS | 100 | -18.11 | PASS |
| Al3082R | 5000 | 4883 | 97.7 | PASS | 100 | -37.83 | PASS |
| As1890 | 200 | 202.8 | 101.4 | PASS | 8 | -2.598 | PASS |
| Ba4554R | 200 | 205.6 | 102.8 | PASS | 100 | 1.161 | PASS |
| Be3131R | 200 | 185.2 | 92.6 | PASS | 3 | -0.1448 | PASS |
| Ca3179R | 5000 | 5134 | 102.7 | PASS | 500 | -18.63 | PASS |
| Cd2265 | 200 | 208 | 104.0 | PASS | 3 | -0.09 | PASS |
| Co2286 | 200 | 195.2 | 97.6 | PASS | 20 | -0.2891 | PASS |
| Cr2677 | 200 | 222 | 111.0 | PASS | 5 | -0.8066 | PASS |
| Cu3247 | 200 | 201.3 | 100.7 | PASS | 5 | 0.0135 | PASS |
| Fe2599A | 5000 | 5380 | 107.6 | PASS | 50 | -13.6 | PASS |
| Fe2599R | 5000 | 4926 | 98.5 | PASS | 50 | -17.8 | PASS |
| K_7664R | 5000 | 5172 | 103.4 | PASS | 500 | -32.66 | PASS |
| Mg2790R | 5000 | 5104 | 102.1 | PASS | 500 | -25.57 | PASS |
| Mn2576 | 200 | 218.4 | 109.2 | PASS | 5 | -0.056 | PASS |
| Na5895R | 5000 | 5006 | 100.1 | PASS | 1000 | -170.3 | PASS |
| Ni2316 | 200 | 201.8 | 100.9 | PASS | 20 | -0.2173 | PASS |
| Pb2203 | 200 | 210.7 | 105.4 | PASS | 8 | -0.4013 | PASS |
| Sb2068 | 200 | 189.6 | 94.8 | PASS | 20 | -3.44 | PASS |
| Se1960 | 200 | 211.2 | 105.6 | PASS | 20 | 3.421 | PASS |
| Ti1908 | 200 | 196.4 | 98.2 | PASS | 20 | -3.545 | PASS |
| V_2924 | 200 | 205.4 | 102.7 | PASS | 20 | -0.4786 | PASS |
| Zn2062 | 200 | 230.4 | 115.2 | PASS | 20 | 0.456 | PASS |
| Mo2020 | 200 | 194.3 | 97.2 | PASS | 10 | -0.521 | PASS |
| Ti3372 | 200 | 198.7 | 99.4 | PASS | 10 | -0.0348 | PASS |
| B_2089 | 200 | 187 | 93.5 | PASS | 10 | -2.474 | PASS |
| Si2881A | 5000 | 5145 | 102.9 | PASS | 500 | -11.18 | PASS |
| Si2881R | 5000 | 4924 | 98.5 | PASS | 500 | 7.16 | PASS |
| Sr3464 | 200 | 205.6 | 102.8 | PASS | 10 | 0.2495 | PASS |
| Sn1899 | 200 | 212.1 | 106.1 | PASS | 10 | 0.7424 | PASS |

| ELEMENT | PBS-1 B19P32 | REP. LIMIT | ACCEPTANCE LIMITS | | FLAG |
|-----------|-----------------|---------------|----------------------|--------|------|
| | 26 Sep 2011 | mg/Kg | mg/Kg | mg/Kg | |
| | 19:07:46 | | | | |
| Ag3280 | 0.0014 | 0.50 | 0.50 | -0.50 | PASS |
| Al3082A | -0.538 | 10.00 | 10.00 | -10.00 | PASS |
| Al3082R | -0.7226 | 10.00 | 10.00 | -10.00 | PASS |
| As1890 | -0.1439 | 0.80 | 0.80 | -0.80 | PASS |
| Ba4554R | 0.0249 | 10 | 10 | -10 | PASS |
| Be3131R | 0.0135 | 0.30 | 0.30 | -0.30 | PASS |
| Ca3179R | -0.4895 | 50 | 50 | -50 | PASS |
| Cd2265 | -0.028 | 0.30 | 0.30 | -0.30 | PASS |
| Co2286 | 0.0029 | 2.0 | 2.0 | -2.0 | PASS |
| Cr2677 | -0.111 | 0.50 | 0.50 | -0.50 | PASS |
| Cu3247 | 0.0186 | 1.0 | 1.0 | -1.0 | PASS |
| Fe2599A | -0.4786 | 5.0 | 5.0 | -5.0 | PASS |
| Fe2599R | -0.8419 | 5.0 | 5.0 | -5.0 | PASS |
| K_7664R | 9.185 | 50 | 50 | -50 | PASS |
| Mg2790R | -1.601 | 50 | 50 | -50 | PASS |
| Mn2576 | -0.0162 | 0.50 | 0.50 | -0.50 | PASS |
| Na5895R | -0.5695 | 100 | 100 | -100 | PASS |
| Ni2316 | -0.0724 | 2.0 | 2.0 | -2.0 | PASS |
| Pb2203 | -0.0658 | 0.80 | 0.80 | -0.80 | PASS |
| Sb2068 | -0.2012 | 2.0 | 2.0 | -2.0 | PASS |
| Se1960 | 0.174 | 2.0 | 2.0 | -2.0 | PASS |
| Ti1908 | 0.0462 | 2.0 | 2.0 | -2.0 | PASS |
| V_2924 | 0.0078 | 2.0 | 2.0 | -2.0 | PASS |
| Zn2062 | -0.2533 | 2.0 | 2.0 | -2.0 | PASS |
| Mo2020 | 0.0293 | 1.0 | 1.0 | -1.0 | PASS |
| Ti3372 | -0.0035 | 1.0 | 1.0 | -1.0 | PASS |
| B_2089 | -0.0693 | 1.0 | 1.0 | -1.0 | PASS |
| Si2881A** | -0.3351 | N/A | N/A | N/A | N/A |
| Si2881R** | 0.0095 | N/A | N/A | N/A | N/A |
| Sr3464 | -0.0534 | 1.0 | 1.0 | -1.0 | PASS |
| Sn1899 | 0.0313 | 1.0 | 1.0 | -1.0 | PASS |

** Silicon is not an analyte of interest for soils.

Note: Darkened areas were not analytes of interest

| ELEMENT | LCSS-1 B19P32 | LCSS-2 B19P32 | MEAN | RPD | TRUE VALUE | CONTROL LIMITS | | % REC | FLAG |
|-----------|------------------|------------------|---------|------|---------------|----------------|-------|-------|------|
| | 26 Sep 2011 | 26 Sep 2011 | mg/Kg | | mg/Kg | mg/Kg | mg/Kg | | |
| | 19:12:34 | 19:17:31 | | | | | | | |
| Ag3280 | 51.58 | 51.76 | 51.7 | 0.35 | 51.9 | 34.4 | 69.4 | 100 | PASS |
| Al3082A | 7639 | 7932 | 7785.5 | 3.76 | 9780 | 3810 | 15700 | N/A* | N/A* |
| Al3082R | 7831 | 8196 | 8013.5 | 4.55 | 9780 | 3810 | 15700 | 82 | PASS |
| As1890 | 103.7 | 106.5 | 105.1 | 2.66 | 109 | 90.7 | 128 | 96 | PASS |
| Ba4554R | 312.2 | 322.3 | 317.3 | 3.18 | 325 | 270 | 380 | 98 | PASS |
| Be3131R | 90.23 | 92.18 | 91.2 | 2.14 | 92.1 | 77.1 | 107 | 99 | PASS |
| Ca3179R | 6108 | 6460 | 6284.0 | 5.60 | 6700 | 5250 | 8150 | 94 | PASS |
| Cd2265 | 102.2 | 103.3 | 102.8 | 1.07 | 110 | 88.8 | 131 | 93 | PASS |
| Co2286 | 129.3 | 129.8 | 129.6 | 0.39 | 133 | 108 | 158 | 97 | PASS |
| Cr2677 | 93.26 | 93.07 | 93.2 | 0.20 | 93.4 | 75.3 | 112 | 100 | PASS |
| Cu3247 | 84.2 | 84.3 | 84.3 | 0.12 | 74.7 | 62.6 | 86.8 | 113 | PASS |
| Fe2599A | 11200 | 11390 | 11295.0 | N/A* | 13100 | 6620 | 19500 | N/A* | N/A* |
| Fe2599R | 12550 | 12680 | 12615.0 | 1.03 | 13100 | 6620 | 19500 | 96 | PASS |
| K_7664R | 2365 | 2459 | 2412.0 | 3.90 | 2770 | 1810 | 3730 | 87 | PASS |
| Mg2790R | 2618 | 2715 | 2666.5 | 3.64 | 2980 | 2070 | 3880 | 89 | PASS |
| Mn2576 | 436.9 | 442.6 | 439.8 | 1.30 | 443 | 340 | 546 | 99 | PASS |
| Na5895R | 658.3 | 680.9 | 669.6 | 3.38 | 724 | 513 | 936 | 92 | PASS |
| Ni2316 | 105.8 | 105.7 | 105.8 | 0.09 | 109 | 88.5 | 129 | 97 | PASS |
| Pb2203 | 140 | 138.5 | 139.3 | 1.08 | 152 | 120 | 184 | 92 | PASS |
| Sb2068 | 185 | 196.1 | 190.6 | 5.83 | 121 | 20 | 265 | 157 | PASS |
| Se1960 | 188.4 | 191.5 | 190.0 | 1.63 | 207 | 164 | 249 | 92 | PASS |
| Ti1908 | 163.3 | 168.1 | 165.7 | 2.90 | 171 | 133 | 208 | 97 | PASS |
| V_2924 | 107.7 | 108.3 | 108.0 | 0.56 | 110 | 84.5 | 136 | 98 | PASS |
| Zn2062 | 283.4 | 286 | 284.7 | 0.91 | 299 | 245 | 352 | 95 | PASS |
| Mo2020 | 85.52 | 85.21 | 85.4 | 0.36 | 82.5 | 59.2 | 106 | 103 | PASS |
| Ti3372 | 146.6 | 153.1 | 149.9 | 4.34 | 193 | 56.9 | 330 | 78 | PASS |
| B_2089 | 123.7 | 126.4 | 125.1 | 2.16 | 142 | 90.7 | 193 | 88 | PASS |
| Si2881A** | 599.9 | 558.5 | 579.2 | N/A | N/A | N/A | N/A | N/A | N/A |
| Si2881R** | 598.3 | 571.4 | 584.9 | N/A | N/A | N/A | N/A | N/A | N/A |
| Sr3464 | 99.9 | 105.5 | 102.7 | 5.45 | 111 | 84.7 | 136 | 93 | PASS |
| Sn1899 | 140.1 | 141.5 | 140.8 | 0.99 | 135 | 107 | 163 | 104 | PASS |

N/A* = Not Applicable since Axial mode pre-calculated value in ug/L was at saturated detector or above the LDR limit.

** Silicon is not an analyte of interest for soils.

Note: Darkened areas were not analytes of interest

| ELEMENT | MDL | AN03657 | AN03657 MS | SPIKE LEVEL | % REC | FLAG | QUALIFIER | COMMENTS |
|-----------|------|-------------|-------------|-------------|-------|------|-----------|-------------------------------|
| | | 26 Sep 2011 | 26 Sep 2011 | | | | | |
| | | 19:22:28 | 19:27:40 | | | | | |
| Ag3280 | 1.8 | 16.47 | 202.2 | 200 | 92.9 | PASS | | |
| Al3082A | 22.7 | 106600 | 112100 | 5000 | 110.0 | PASS | | |
| Al3082R | 36.3 | 110600 | 115600 | 5000 | 100.0 | PASS | | |
| As1890 | 3.6 | 548.3 | 728.5 | 200 | 90.1 | PASS | | |
| Ba4554R | 37 | 964 | 1150 | 200 | 93.0 | PASS | | |
| Be3131R | 1.8 | 7.351 | 192.4 | 200 | 92.5 | PASS | | |
| Ca3179R | 240 | 33830 | 38530 | 5000 | 94.0 | PASS | | |
| Cd2265 | 1.8 | 7.147 | 178.9 | 200 | 85.9 | PASS | | |
| Co2286 | 7.4 | 88.24 | 265.4 | 200 | 88.6 | PASS | | |
| Cr2677 | 3.6 | 717.5 | 892.5 | 200 | 87.5 | PASS | | |
| Cu3247 | 5.6 | 2811 | 2999 | 200 | 94.0 | PASS | | |
| Fe2599A | 15 | F 207800. | ^ ***** | 5000 | N/A | N/A | N/A | (saturation) Switch to radial |
| Fe2599R | 16 | 250800 | 256300 | 5000 | 110.0 | PASS | | |
| K_7664R | 190 | 20930 | 25520 | 5000 | 91.8 | PASS | | |
| Mg2790R | 170 | 49170 | 53340 | 5000 | 83.4 | PASS | | |
| Mn2576 | 3.7 | 3660 | 3886 | 200 | 113.0 | PASS | | |
| Na5895R | 340 | 43720 | 48470 | 5000 | 95.0 | PASS | | |
| Ni2316 | 7.6 | 555.5 | 732.5 | 200 | 88.5 | PASS | | |
| Pb2203 | 4.2 | 11660 | 11660 | 200 | 0.0 | L | N/A | > 1X Spike Level |
| Sb2068 | 14 | 15.2 | 195.6 | 200 | 90.2 | PASS | | |
| Se1960 | 12 | 6.208 | 182.2 | 200 | 91.1 | PASS | | |
| Ti1908 | 9.2 | -0.1163 | 177 | 200 | 88.5 | PASS | | |
| V_2924 | 7.5 | 269.9 | 449.7 | 200 | 89.9 | PASS | | |
| Zn2062 | 7.3 | 3087 | 3217 | 200 | 65.0 | L | N/A | > 1X Spike Level |
| Mo2020 | 3.6 | 13.47 | 193.7 | 200 | 90.1 | PASS | | |
| Ti3372 | 3.6 | 2265 | 2421 | 200 | 78.0 | L | | |
| B_2089 | N/A | 181.4 | 350.3 | N/A | N/A | N/A | NO SPIKE | |
| Si2881A** | N/A | 5303 | 5267 | N/A | N/A | N/A | NO SPIKE | |
| Si2881R** | N/A | 5387 | 5334 | N/A | N/A | N/A | NO SPIKE | |
| Sr3464 | N/A | 317.6 | 496.8 | N/A | N/A | N/A | NO SPIKE | |
| Sn1899 | N/A | 851.1 | 1026 | N/A | N/A | N/A | NO SPIKE | |

Note: Darkened areas were not analytes of interest

| ELEMENT | MS Value (ug/L) AN03657 MS | SDL Value (ug/L) AN03657 SDL | % Difference | FLAG | QUALIFIER | COMMENTS |
|-----------|-------------------------------|---------------------------------|--------------|------|-----------|--------------------------|
| | 26 Sep 2011 | 26 Sep 2011 | | | | |
| | 19:27:40 | 19:32:47 | | | | |
| Ag3280 | 202.2 | 196.9 | 2.62 | PASS | | |
| Al3082A | 112100 | 111800 | 0.27 | PASS | | |
| Al3082R | 115600 | 114400 | 1.04 | PASS | | |
| As1890 | 728.5 | 727.8 | 0.10 | PASS | | |
| Ba4554R | 1150 | 1146 | 0.35 | PASS | | |
| Be3131R | 192.4 | 190.4 | 1.04 | PASS | | |
| Ca3179R | 38530 | 38910 | -0.99 | PASS | | |
| Cd2265 | 178.9 | 182.3 | -1.90 | PASS | | |
| Co2286 | 265.4 | 265.5 | -0.04 | PASS | | |
| Cr2677 | 892.5 | 901.7 | -1.03 | PASS | | |
| Cu3247 | 2999 | 2909 | 3.00 | PASS | | |
| Fe2599A | ^ ***** | F 259300 | N/A | N/A | | > LDR (switch to radial) |
| Fe2599R | 256300 | 264900 | -3.36 | PASS | | |
| K_7664R | 25520 | 25720 | -0.78 | PASS | | |
| Mg2790R | 53340 | 53560 | -0.41 | PASS | | |
| Mn2576 | 3886 | 3926 | -1.03 | PASS | | |
| Na5895R | 48470 | 47320 | 2.37 | PASS | | |
| Ni2316 | 732.5 | 738 | -0.75 | PASS | | |
| Pb2203 | 11660 | 12080 | -3.60 | PASS | | |
| Sb2068 | 195.6 | 179.2 | 8.38 | PASS | | |
| Se1960 | 182.2 | 192 | -5.38 | PASS | | |
| Ti1908 | 177 | 174.4 | 1.47 | PASS | | |
| V_2924 | 449.7 | 447.3 | 0.53 | PASS | | |
| Zn2062 | 3217 | 3429 | -6.59 | PASS | | |
| Mo2020 | 193.7 | 191 | 1.39 | PASS | | |
| Ti3372 | 2421 | 2386 | 1.45 | PASS | | |
| B_2089 | 350.3 | 333.9 | 4.68 | PASS | | |
| Si2881A** | 5267 | 5792 | -9.97 | PASS | | |
| Si2881R** | 5334 | 5773 | -8.23 | PASS | | |
| Sr3464 | 496.8 | 499.1 | -0.46 | PASS | | |
| Sn1899 | 1026 | 1044 | -1.75 | PASS | | |

Note: Darkened areas were not analytes of interest

| ELEMENT | PBS-2 B19P32 | REP. LIMIT | ACCEPTANCE LIMITS | | FLAG |
|-----------|-----------------|---------------|----------------------|--------|------|
| | 26 Sep 2011 | mg/Kg | mg/Kg | mg/Kg | |
| | 23:52:51 | | | | |
| Ag3280 | -0.0342 | 0.50 | 0.50 | -0.50 | PASS |
| Al3082A | -0.4763 | 10.00 | 10.00 | -10.00 | PASS |
| Al3082R | 1.11 | 10.00 | 10.00 | -10.00 | PASS |
| As1890 | 0.0403 | 0.80 | 0.80 | -0.80 | PASS |
| Ba4554R | 0.0961 | 10 | 10 | -10 | PASS |
| Be3131R | 0.0121 | 0.30 | 0.30 | -0.30 | PASS |
| Ca3179R | -1.542 | 50 | 50 | -50 | PASS |
| Cd2265 | -0.017 | 0.30 | 0.30 | -0.30 | PASS |
| Co2286 | -0.0085 | 2.0 | 2.0 | -2.0 | PASS |
| Cr2677 | -0.0281 | 0.50 | 0.50 | -0.50 | PASS |
| Cu3247 | 0.1261 | 1.0 | 1.0 | -1.0 | PASS |
| Fe2599A | 1.727 | 5.0 | 5.0 | -5.0 | PASS |
| Fe2599R | 1.393 | 5.0 | 5.0 | -5.0 | PASS |
| K_7664R | -1.264 | 50 | 50 | -50 | PASS |
| Mg2790R | -1.477 | 50 | 50 | -50 | PASS |
| Mn2576 | 0.046 | 0.50 | 0.50 | -0.50 | PASS |
| Na5895R | -14.14 | 100 | 100 | -100 | PASS |
| Ni2316 | -0.0439 | 2.0 | 2.0 | -2.0 | PASS |
| Pb2203 | 0.1198 | 0.80 | 0.80 | -0.80 | PASS |
| Sb2068 | 0.0621 | 2.0 | 2.0 | -2.0 | PASS |
| Se1960 | 0.0066 | 2.0 | 2.0 | -2.0 | PASS |
| Ti1908 | -0.0692 | 2.0 | 2.0 | -2.0 | PASS |
| V_2924 | -0.0422 | 2.0 | 2.0 | -2.0 | PASS |
| Zn2062 | -0.2023 | 2.0 | 2.0 | -2.0 | PASS |
| Mo2020 | -0.0507 | 1.0 | 1.0 | -1.0 | PASS |
| Ti3372 | 0.0111 | 1.0 | 1.0 | -1.0 | PASS |
| B_2089 | -0.2892 | 1.0 | 1.0 | -1.0 | PASS |
| Si2881A** | -0.901 | N/A | N/A | N/A | N/A |
| Si2881R** | 1.008 | N/A | N/A | N/A | N/A |
| Sr3464 | -0.0656 | 1.0 | 1.0 | -1.0 | PASS |
| Sn1899 | 0.0189 | 1.0 | 1.0 | -1.0 | PASS |

** Silicon is not an analyte of interest for soils.

| ELEMENT | LCSS-3 B19P32 | LCSS-4 B19P32 | MEAN | RPD | TRUE VALUE | CONTROL LIMITS | | % REC | FLAG |
|-----------|------------------|------------------|---------|------|---------------|----------------|-------|-------|------|
| | 26 Sep 2011 | 26 Sep 2011 | mg/Kg | | mg/Kg | mg/Kg | mg/Kg | | |
| | 21:34:00 | 21:38:58 | | | | | | | |
| Ag3280 | 49.99 | 52.89 | 51.4 | 5.64 | 51.9 | 34.4 | 69.4 | 99 | PASS |
| Al3082A | 7403 | 7740 | 7571.5 | 4.45 | 9780 | 3810 | 15700 | N/A* | N/A* |
| Al3082R | 7678 | 8066 | 7872.0 | 4.93 | 9780 | 3810 | 15700 | 80 | PASS |
| As1890 | 102.7 | 106.5 | 104.6 | 3.63 | 109 | 90.7 | 128 | 96 | PASS |
| Ba4554R | 308.4 | 327.4 | 317.9 | 5.98 | 325 | 270 | 380 | 98 | PASS |
| Be3131R | 85.82 | 90.56 | 88.2 | 5.37 | 92.1 | 77.1 | 107 | 96 | PASS |
| Ca3179R | 6011 | 6496 | 6253.5 | 7.76 | 6700 | 5250 | 8150 | 93 | PASS |
| Cd2265 | 101 | 106.9 | 104.0 | 5.68 | 110 | 88.8 | 131 | 95 | PASS |
| Co2286 | 125.5 | 131.6 | 128.6 | 4.75 | 133 | 108 | 158 | 97 | PASS |
| Cr2677 | 93.53 | 98.95 | 96.2 | 5.63 | 93.4 | 75.3 | 112 | 103 | PASS |
| Cu3247 | 80.38 | 84.8 | 82.6 | 5.35 | 74.7 | 62.6 | 86.8 | 111 | PASS |
| Fe2599A | 11630 | 11820 | 11725.0 | N/A* | 13100 | 6620 | 19500 | N/A* | N/A* |
| Fe2599R | 12430 | 12760 | 12595.0 | 2.62 | 13100 | 6620 | 19500 | 96 | PASS |
| K_7664R | 2353 | 2477 | 2415.0 | 5.13 | 2770 | 1810 | 3730 | 87 | PASS |
| Mg2790R | 2599 | 2834 | 2716.5 | 8.65 | 2980 | 2070 | 3880 | 91 | PASS |
| Mn2576 | 433.5 | 452 | 442.8 | 4.18 | 443 | 340 | 546 | 100 | PASS |
| Na5895R | 643.8 | 680.9 | 662.4 | 5.60 | 724 | 513 | 936 | 91 | PASS |
| Ni2316 | 102.8 | 108.9 | 105.9 | 5.76 | 109 | 88.5 | 129 | 97 | PASS |
| Pb2203 | 138.1 | 146.8 | 142.5 | 6.11 | 152 | 120 | 184 | 94 | PASS |
| Sb2068 | 179.9 | 185.4 | 182.7 | 3.01 | 121 | 20 | 265 | 151 | PASS |
| Se1960 | 185.8 | 194.1 | 190.0 | 4.37 | 207 | 164 | 249 | 92 | PASS |
| Ti1908 | 160.4 | 168.6 | 164.5 | 4.98 | 171 | 133 | 208 | 96 | PASS |
| V_2924 | 107.4 | 112 | 109.7 | 4.19 | 110 | 84.5 | 136 | 100 | PASS |
| Zn2062 | 288.2 | 302.7 | 295.5 | 4.91 | 299 | 245 | 352 | 99 | PASS |
| Mo2020 | 82.16 | 85.22 | 83.7 | 3.66 | 82.5 | 59.2 | 106 | 101 | PASS |
| Ti3372 | 143.9 | 134.5 | 139.2 | 6.75 | 193 | 56.9 | 330 | 72 | PASS |
| B_2089 | 119.1 | 121.2 | 120.2 | 1.75 | 142 | 90.7 | 193 | 85 | PASS |
| Si2881A** | 716.1 | 706.2 | 711.2 | N/A | N/A | N/A | N/A | N/A | N/A |
| Si2881R** | 705.2 | 695 | 700.1 | N/A | N/A | N/A | N/A | N/A | N/A |
| Sr3464 | 101.6 | 105.6 | 103.6 | 3.86 | 111 | 84.7 | 136 | 93 | PASS |
| Sn1899 | 139.8 | 145.5 | 142.7 | 4.00 | 135 | 107 | 163 | 106 | PASS |

(switch to radial)

(switch to radial)

N/A* = Not Applicable since Axial mode pre-calculated value in ug/L was at saturated detector or above the LDR limit.

** Silicon is not an analyte of interest for soils.

Note: Darkened areas were not analytes of interest

| ELEMENT | MDL | AN03675 | AN03675 MS | SPIKE LEVEL | % REC | FLAG | QUALIFIER | COMMENTS |
|-----------|------|-------------|-------------|-------------|--------|-------|-----------|-------------------------------|
| | | 26 Sep 2011 | 26 Sep 2011 | | | | | |
| | | 21:43:54 | 21:49:42 | | | | | |
| Ag3280 | 1.8 | 22.59 | 219.3 | 200 | 98.4 | PASS | | |
| Al3082A | 22.7 | F 218700. | F 222700. | 5000 | ##### | ##### | N/A | (saturation) Switch to radial |
| Al3082R | 36.3 | 236300 | 238600 | 5000 | 46.0 | L | N/A | > 1X spike level |
| As1890 | 3.6 | 222.3 | 412.2 | 200 | 95.0 | PASS | | |
| Ba4554R | 37 | 2362 | 2486 | 200 | 62.0 | L | N/A | > 1X spike level |
| Be3131R | 1.8 | 277.3 | 453.8 | 200 | 88.3 | PASS | | |
| Ca3179R | 240 | 219500 | 219700 | 5000 | 4.0 | L | N/A | > 1X spike level |
| Cd2265 | 1.8 | 75.6 | 247.8 | 200 | 86.1 | PASS | | |
| Co2286 | 7.4 | 1791 | 1942 | 200 | 75.5 | PASS | | |
| Cr2677 | 3.6 | 3451 | 3584 | 200 | 66.5 | L | NA | > 1X spike level |
| Cu3247 | 5.6 | 37240 | 37760 | 200 | 260.0 | K | NA | > 1X spike level |
| Fe2599A | 15 | ^ ***** | ^ ***** | 5000 | N/A | K | N/A | (saturation) Switch to radial |
| Fe2599R | 16 | F 1321000. | F 1304000. | 5000 | ##### | ##### | N/A | (saturation) Switch to radial |
| K_7664R | 190 | 30940 | 35460 | 5000 | 90.4 | PASS | | |
| Mg2790R | 170 | 115000 | 117900 | 5000 | 58.0 | L | NA | > 1X spike level |
| Mn2576 | 3.7 | 13170 | 13270 | 200 | 50.0 | L | N/A | > 1X spike level |
| Na5895R | 340 | 74980 | 79290 | 5000 | 86.2 | PASS | | |
| Ni2316 | 7.6 | 12880 | 12790 | 200 | -45.0 | L | NA | > 1X spike level |
| Pb2203 | 4.2 | 44140 | 43650 | 200 | -245.0 | L | NA | > 1X spike level |
| Sb2068 | 14 | 25.4 | 210.6 | 200 | 92.6 | PASS | | |
| Se1960 | 12 | 5.727 | 184.4 | 200 | 92.2 | PASS | | |
| Tl1908 | 9.2 | -5.406 | 166.6 | 200 | 83.3 | PASS | | |
| V_2924 | 7.5 | 14330 | 14270 | 200 | -30.0 | L | NA | > 1X spike level |
| Zn2062 | 7.3 | F 126300. | F 125000. | 200 | ##### | ##### | N/A | (saturation) Switch to radial |
| Mo2020 | 3.6 | 637.3 | 812.3 | 200 | 87.5 | PASS | | |
| Ti3372 | 3.6 | 7484 | 7215 | 200 | -134.5 | L | NA | |
| B_2089 | N/A | 2129 | 2256 | N/A | N/A | N/A | NO SPIKE | |
| Si2881A** | N/A | 7224 | 4661 | N/A | N/A | N/A | NO SPIKE | |
| Si2881R** | N/A | 7052 | 4463 | N/A | N/A | N/A | NO SPIKE | |
| Sr3464 | N/A | 1873 | 2019 | N/A | N/A | N/A | NO SPIKE | |
| Sn1899 | N/A | 11390 | 11580 | N/A | N/A | N/A | NO SPIKE | |

Note: Darkened areas were not analytes of interest

| ELEMENT | MS Value (ug/L) AN03675 MS | SDL Value (ug/L) AN03675 SDL | % Difference | FLAG | QUALIFIER | COMMENTS |
|-----------|-------------------------------|---------------------------------|--------------|---------|-----------|-------------------------------|
| | 26 Sep 2011 | 26 Sep 2011 | | | | |
| | 21:49:42 | 21:55:29 | | | | |
| Ag3280 | 219.3 | 218.5 | 0.36 | PASS | | |
| Al3082A | 222700 | 233200 | -4.71 | PASS | | |
| Al3082R | 238600 | 239500 | -0.38 | PASS | | |
| As1890 | 412.2 | 405.1 | 1.72 | PASS | | |
| Ba4554R | 2486 | 2524 | -1.53 | PASS | | |
| Be3131R | 453.8 | 465.8 | -2.64 | PASS | | |
| Ca3179R | 219700 | 234500 | -6.74 | PASS | | |
| Cd2265 | 247.8 | 249.1 | -0.52 | PASS | | |
| Co2286 | 1942 | 2049 | -5.51 | PASS | | |
| Cr2677 | 3584 | 3865 | -7.84 | PASS | | |
| Cu3247 | 37760 | 37730 | 0.08 | PASS | | |
| Fe2599A | Λ ***** | Λ ***** | N/A | N/A | N/A | (saturation) Switch to radial |
| Fe2599R | F 1304000. | F 1547000. | #VALUE! | #VALUE! | N/A | (saturation) Switch to radial |
| K_7664R | 35460 | 35370 | 0.25 | PASS | | |
| Mg2790R | 117900 | 125200 | -6.19 | PASS | | |
| Mn2576 | 13270 | 14770 | -11.30 | < -10% | J | |
| Na5895R | 79290 | 79480 | -0.24 | PASS | | |
| Ni2316 | 12790 | 13740 | -7.43 | PASS | | |
| Pb2203 | 43650 | 46310 | -6.09 | PASS | | |
| Sb2068 | 210.6 | 218.2 | -3.61 | PASS | | |
| Se1960 | 184.4 | 200.7 | -8.84 | PASS | | |
| Ti1908 | 166.6 | 173.4 | -4.08 | PASS | | |
| V_2924 | 14270 | 15190 | -6.45 | PASS | | |
| Zn2062 | F 125000. | F 182800. | #VALUE! | #VALUE! | N/A | (saturation) |
| Mo2020 | 812.3 | 832.2 | -2.45 | PASS | | |
| Ti3372 | 7215 | 7477 | -3.63 | PASS | | |
| B_2089 | 2256 | 2325 | -3.06 | PASS | | |
| Si2881A** | 4661 | 5080 | -8.99 | PASS | | |
| Si2881R** | 4463 | 4699 | -5.29 | PASS | | |
| Sr3464 | 2019 | 2182 | -8.07 | PASS | | |
| Sn1899 | 11580 | 12620 | -8.98 | PASS | | |

Note: Darkened areas were not analytes of interest

| | Pos ID | Type | Sample Name | Comment | Instrument | Method | CorrFact | Check | Check Table | Fail Action |
|----|--------|------|---------------|------------------------------|------------|-----------|----------|-------|-------------|-------------|
| 1 | 1 | QC | PBS-1 B19P32 | | ICAP6300 | SOP-C-109 | 0.09804 | X | PBS | None |
| 2 | 2 | QC | LCSS-1 B19P32 | | ICAP6300 | SOP-C-109 | 0.09434 | X | LCSS | None |
| 3 | 3 | QC | LCSS-2 B19P32 | | ICAP6300 | SOP-C-109 | 0.1 | X | LCSS | None |
| 4 | 4 | Unk | AN03657 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 5 | 5 | Unk | AN03657MS | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 6 | 6 | Unk | AN03657SDL | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 5 | X | LDR | --- |
| 7 | 7 | Unk | AN03658 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 8 | 8 | Unk | AN03659 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 9 | 9 | Unk | AN03660 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 10 | 10 | Unk | AN03661 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 11 | 11 | Unk | AN03662 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 12 | 12 | Unk | AN03663 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 13 | 13 | Unk | AN03664 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 14 | 14 | Unk | AN03665 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 15 | 15 | Unk | AN03666 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 16 | 16 | Unk | AN03667 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 17 | 17 | Unk | AN03668 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 18 | 18 | Unk | AN03669 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 19 | 19 | Unk | AN03670 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 20 | 20 | Unk | AN03671 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 21 | 21 | Unk | AN03672 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 22 | 22 | Unk | AN03673 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 23 | 23 | Unk | AN03674 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 24 | 24 | Unk | AN03676 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 25 | 25 | QC | PBS-2 B19P32 | | ICAP6300 | SOP-C-109 | 0.09804 | X | PBS | None |
| 26 | 26 | QC | LCSS-3 B19P32 | | ICAP6300 | SOP-C-109 | 0.09804 | X | LCSS | None |
| 27 | 27 | QC | LCSS-4 B19P32 | | ICAP6300 | SOP-C-109 | 0.09434 | X | LCSS | None |
| 28 | 28 | Unk | AN03675 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 29 | 29 | Unk | AN03675 MS | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 30 | 30 | Unk | AN03675 SDL | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 5 | X | LDR | --- |
| 31 | 31 | Unk | AN03677 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 32 | 32 | Unk | AN03678 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 33 | 33 | Unk | AN03679 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 34 | 34 | Unk | AN03680 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 35 | 35 | Unk | AN03681 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 36 | 36 | Unk | AN03682 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 37 | 37 | Unk | AN03683 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 38 | 38 | Unk | AN03684 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 39 | 39 | Unk | AN03685 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 40 | 40 | Unk | AN03686 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 41 | 41 | Unk | AN03687 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 42 | 42 | Unk | AN03688 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 43 | 43 | Unk | AN03689 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 44 | 44 | Unk | AN03690 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 45 | 45 | Unk | AN03691 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 46 | 46 | Unk | AN03692 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 47 | 47 | Unk | AN03693 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 48 | 48 | Unk | AN03694 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |
| 49 | 49 | QC | PBS-2 B19P32 | | ICAP6300 | SOP-C-109 | 0.09804 | X | PBS | None |
| 50 | 50 | Unk | WASH | | ICAP6300 | SOP-C-109 | 1 | X | LDR | --- |

SUMMARY- VERTICAL REPORT

| | Blank | MID STD | HIGH STD | ICV | ICB | RL | 2RL | IOS |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 18:28:18 | 26 Sep 2011 18:33:04 | 26 Sep 2011 18:37:51 | 26 Sep 2011 18:43:07 | 26 Sep 2011 18:47:50 | 26 Sep 2011 18:52:39 | 26 Sep 2011 18:57:28 | 26 Sep 2011 19:02:16 |
| Ag3280 | -.0007 | .4179 | .8426 | 194.6 | -1303 | 5.217 | 10.24 | -.8039 |
| Al3961A | .0155 | 2.433 | 4.924 | 4697. | -20.44 | 75.94 | 172.4 | 271500. |
| Al3961R | .0029 | .2416 | .4832 | 4882. | -29.15 | F 67.45 | 167.8 | 287600. |
| As1890 | -.0001 | .1766 | .3550 | 200.5 | 1.937 | 9.171 | 16.22 | .4889 |
| Ba4554R | .0078 | 10.60 | 20.86 | 202.7 | .4274 | 102.4 | 205.0 | -.1367 |
| Be3131R | .0009 | 9.067 | 17.81 | 197.8 | .3422 | 3.173 | 6.386 | .3414 |
| Ca3179R | .0071 | .5731 | 1.146 | 5108. | -15.47 | 481.9 | 988.8 | 285500. |
| Cd2265 | .0004 | 6.770 | 13.44 | 202.5 | .3544 | 2.959 | 5.825 | .7240 |
| Co2286 | .0001 | 2.219 | 4.433 | 197.3 | .1286 | 19.96 | 39.89 | -.9841 |
| Cr2677 | .0002 | 1.008 | 2.015 | 212.6 | -.5781 | 3.904 | 9.811 | .1006 |
| Cu3247 | .0130 | 4.363 | 8.633 | 210.4 | .3258 | 11.05 | 21.98 | 5.026 |
| Fe2599A | .0139 | 2.881 | 5.790 | 5163. | -21.50 | F 31.13 | 82.52 | 221400. |
| Fe2599R | .0021 | .3612 | .7249 | 5097. | -22.03 | F 31.24 | 79.22 | 282000. |
| K_7664R | -.0118 | .1346 | .2790 | 5035. | 32.40 | 556.2 | 1038. | 35.59 |
| Mg2790R | .0004 | .0646 | .1294 | 5065. | -30.59 | 464.3 | 953.7 | 287800. |
| Mn2576 | .0008 | 17.55 | 35.04 | 213.0 | .2728 | 5.382 | 10.66 | .0693 |
| Na5895R | .0260 | .5188 | 1.017 | 4986. | -126.1 | 890.4 | 1900. | 299600. |
| Ni2316 | .0000 | 1.223 | 2.445 | 202.0 | -.1380 | 19.33 | 39.28 | -2.372 |
| Pb2203 | .0003 | .4879 | .9699 | 203.1 | 1.295 | 8.290 | 15.84 | -7.811 |
| Sb2068 | .0003 | .2886 | .5787 | 196.7 | -3.834 | 15.37 | 36.18 | -4.319 |
| Se1960 | .0001 | .1501 | .3015 | 204.1 | 3.589 | 20.00 | 42.03 | -2.707 |
| Ti1908 | -.0001 | .2353 | .4725 | 202.0 | -1.155 | 19.98 | 39.35 | 3.564 |
| V_2924 | -.0001 | 3.725 | 7.529 | 202.4 | .0374 | 20.82 | 40.70 | -.0757 |
| Zn2062 | .0025 | 2.773 | 5.536 | 212.3 | .8334 | 17.73 | 36.66 | -2.283 |
| | | | | | | | | |
| Mo2020 | .0000 | 1.532 | 3.090 | 202.2 | .5613 | 10.62 | 20.76 | -2.377 |
| Ti3372 | -.0010 | 10.48 | 20.78 | 202.8 | .5140 | 10.67 | 20.77 | 2.031 |
| B_2089 | .0000 | .8305 | 1.667 | 202.8 | 2.809 | 12.19 | 21.16 | -5.875 |
| Si2881A | .0165 | .7636 | 1.519 | 5002. | -5.898 | 491.2 | 985.0 | -15.51 |
| Si2881R | .0009 | .1119 | .2224 | 5005. | 4.753 | 486.5 | 998.3 | -2.126 |
| Sn1899 | .0001 | .4021 | .8046 | 206.6 | 1.213 | 10.77 | 20.35 | 3.653 |
| Sr3464 | -.0006 | 2.859 | 5.764 | 200.9 | -.0072 | 10.08 | 20.13 | .7425 |
| Y_2243-A | 20049. | 20111. | 20223. | 21096. | 20862. | 20097. | 20526. | 18339. |
| Y_3203-A | 34816. | 35802. | 35613. | 35882. | 35652. | 35041. | 35585. | 33717. |
| Y_3600-R | 18649. | 18977. | 18862. | 18458. | 18412. | 19055. | 18969. | 19063. |

SUMMARY- VERTICAL REPORT

| | PBS-1 B19P32 | LCSS-1 B19P32 | LCSS-2 B19P32 | AN03657 | AN03657MS | AN03657SDL | AN03658 | AN03659 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 19:07:46 | 26 Sep 2011 19:12:34 | 26 Sep 2011 19:17:31 | 26 Sep 2011 19:22:28 | 26 Sep 2011 19:27:40 | 26 Sep 2011 19:32:47 | 26 Sep 2011 19:37:45 | 26 Sep 2011 19:42:58 |
| Ag3280 | .0014 | 51.58 | 51.76 | 18.47 | 202.2 | 196.9 | 10.74 | 9.736 |
| Al3961A | -.5380 | 7839. | 7932. | F 106600. | F 112100. | F 111800. | F 98390. | F 100200. |
| Al3961R | -.7226 | 7831. | 8196. | 110600. | 115600. | 114400. | 101700. | 102600. |
| As1890 | -.1439 | 103.7 | 106.5 | 548.3 | 728.5 | 727.8 | 478.3 | 476.2 |
| Ba4554R | .0249 | 312.2 | 322.3 | 964.0 | 1150. | 1146. | 928.8 | 904.8 |
| Be3131R | .0135 | 90.23 | 92.18 | 7.351 | 192.4 | 190.4 | 4.863 | 5.004 |
| Ca3179R | -.4895 | 6108. | 6460. | 33830. | 38530. | 38910. | 33720. | 52040. |
| Cd2265 | -.0280 | 102.2 | 103.3 | 7.147 | 179.6 | 182.3 | 6.336 | 5.708 |
| Co2286 | .0029 | 129.3 | 129.8 | 88.24 | 265.4 | 265.5 | 75.21 | 76.06 |
| Cr2677 | -.1110 | 93.26 | 93.07 | 717.5 | 892.5 | 901.7 | 646.8 | 617.8 |
| Cu3247 | .0186 | 84.20 | 84.30 | 2811. | 2999. | 2909. | 1737. | 1682. |
| Fe2599A | -.4786 | 11200. | 11390. | F 207800. | A ***** | F 259300. | F 179000. | F 182800. |
| Fe2599R | -.8419 | 12550. | 12680. | 250800. | 256300. | 264900. | 208100. | 218900. |
| K_7664R | 9.185 | 2365. | 2459. | 20930. | 25520. | 25720. | 19980. | 19090. |
| Mg2790R | -1.601 | 2618. | 2715. | 49170. | 53340. | 53560. | 44720. | 54420. |
| Mn2576 | -.0162 | 436.9 | 442.6 | 3660. | 3886. | 3926. | 3114. | 3130. |
| Na5895R | -.5695 | 658.3 | 680.9 | 43720. | 48470. | 47320. | 46650. | 35560. |
| Ni2316 | -.0724 | 105.8 | 105.7 | 555.5 | 732.5 | 738.0 | 510.8 | 477.5 |
| Pb2203 | -.0658 | 140.0 | 138.5 | 11660. | 11830. | 12080. | 9532. | 9483. |
| Sb2068 | -.2012 | 185.0 | 196.1 | 15.20 | 184.2 | 179.2 | 16.56 | 9.214 |
| Se1960 | .1740 | 188.4 | 191.5 | 6.208 | 182.2 | 192.0 | 6.158 | 5.997 |
| Ti1908 | .0462 | 163.3 | 168.1 | -1.163 | 177.0 | 174.4 | -3.161 | -5.415 |
| V_2924 | .0078 | 107.7 | 108.3 | 269.9 | 449.7 | 447.3 | 253.0 | 237.6 |
| Zn2062 | -.2533 | 283.4 | 286.0 | 3087. | 3217. | 3429. | 2112. | 2043. |
| | | | | | | | | |
| Mo2020 | .0293 | 85.52 | 85.21 | 13.47 | 193.7 | 191.0 | 6.868 | 6.273 |
| Ti3372 | -.0035 | 146.6 | 153.1 | 2265. | 2421. | 2386. | 1848. | 1777. |
| B_2089 | -.0693 | 123.7 | 126.4 | 181.4 | 350.3 | 333.9 | 156.3 | 108.4 |
| Si2881A | -.3351 | 599.9 | 558.5 | 5303. | 5267. | 5792. | 3829. | 4022. |
| Si2881R | .0095 | 598.3 | 571.4 | 5387. | 5334. | 5773. | 3886. | 3995. |
| Sn1899 | .0313 | 140.1 | 141.5 | 851.1 | 1026. | 1044. | 715.8 | 732.1 |
| Sr3464 | -.0534 | 99.90 | 105.5 | 317.6 | 496.8 | 499.1 | 307.3 | 280.8 |
| Y_2243-A | 20874. | 20693. | 20565. | 21093. | 21121. | 21226. | 21118. | 21055. |
| Y_3203-A | 35736. | 36261. | 36060. | 37407. | 37204. | 36719. | 37339. | 36810. |
| Y_3600-R | 18965. | 19996. | 19813. | 20577. | 20242. | 19359. | 20163. | 19932. |

SUMMARY- VERTICAL REPORT

| | AN03660 | AN03661 | CCV | CCB | AN03662 | AN03663 | AN03664 | AN03665 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 19:48:12 | 26 Sep 2011 19:53:26 | 26 Sep 2011 19:58:40 | 26 Sep 2011 20:03:18 | 26 Sep 2011 20:08:07 | 26 Sep 2011 20:13:15 | 26 Sep 2011 20:18:29 | 26 Sep 2011 20:23:40 |
| Ag3280 | 8.789 | 10.96 | 198.6 | .1234 | 11.69 | 1.771 | .2401 | -.4176 |
| Al3961A | F 102900. | F 110400. | 4756. | -16.63 | F 135600. | F 127700. | F 133500. | F 101300. |
| Al3961R | 104900. | 114200. | 4852. | -21.91 | 141700. | 132400. | 140600. | 108300. |
| As1890 | 453.1 | 517.2 | 194.9 | -2.873 | 563.4 | 149.4 | 110.4 | 70.78 |
| Ba4554R | 884.6 | 988.7 | 200.8 | -.1222 | 1087. | 566.5 | 490.0 | 388.6 |
| Be3131R | 4.937 | 5.303 | 194.4 | .0725 | 6.740 | 6.193 | 6.366 | 5.447 |
| Ca3179R | 33690. | 35450. | 5022. | -18.88 | 41780. | 35790. | 49050. | 304800. |
| Cd2265 | 5.133 | 7.049 | 197.1 | -.0040 | 5.690 | .2552 | -1.109 | -.4054 |
| Co2286 | 76.66 | 86.82 | 192.8 | -.0227 | 101.6 | 86.66 | 91.48 | 74.44 |
| Cr2677 | 625.1 | 742.8 | 212.1 | -.7773 | 809.7 | 401.2 | 318.8 | 244.5 |
| Cu3247 | 1580. | 1823. | 206.3 | .2332 | 2040. | 512.4 | 373.4 | 202.7 |
| Fe2599A | F 184600. | F 199500. | 5359. | -16.16 | A ***** | F 206300. | A ***** | F 191200. |
| Fe2599R | 214000. | 237200. | 5115. | -17.96 | 281100. | 239000. | 249700. | 220600. |
| K_7664R | 18840. | 19080. | 5061. | -17.31 | 22360. | 19860. | 20840. | 16690. |
| Mg2790R | 41580. | 44760. | 5005. | -34.71 | 53470. | 48880. | 51360. | 42720. |
| Mn2576 | 3220. | 3758. | 216.5 | -.0217 | 4931. | 3876. | 3909. | 4372. |
| Na5895R | 22950. | 17760. | 4998. | -143.4 | 13570. | 6855. | 4918. | 5199. |
| Ni2316 | 470.6 | 526.7 | 199.3 | .1471 | 541.2 | 271.8 | 255.4 | 192.6 |
| Pb2203 | 8378. | 10190. | 197.9 | -.3043 | 8943. / | 3017. / | 4119. / | 3414. / |
| Sb2068 | 11.24 | 12.65 | 192.2 | -2.329 | 15.13 | 7.587 | 5.141 | 2.511 |
| Se1960 | 5.634 | 8.950 | 204.9 | 1.850 | 6.823 | .0745 | -1.536 | 2.577 |
| Ti1908 | -.5695 | 1.100 | 198.5 | -2.536 | -1.582 | -2.694 | -2.216 | -3.317 |
| V_2924 | 259.8 | 291.6 | 203.8 | -.1394 | 344.8 / | 319.8 | 337.3 | 262.7 |
| Zn2062 | 2005. | 2317. | 209.9 | -.4952 | 2604. / | 1204. | 978.8 | 584.4 |
| | | | | | | | | |
| Mo2020 | 6.059 | 6.576 | 198.4 | -.1268 | 7.632 | 5.173 | 5.363 | 5.203 |
| Ti3372 | 1831. | 1867. | 201.8 | -.0968 | 2092. | 1891. | 1946. | 1841. |
| B_2089 | 97.99 | 94.57 | 189.8 | -.7206 | 97.48 | 82.07 | 81.51 | 73.87 |
| Si2881A | 3979. | 4279. | 5039. | -7.712 | 3891. | 3849. | 3800. | 4099. |
| Si2881R | 3951. | 4307. | 4885. | -4.276 | 3850. | 3786. | 3735. | 4039. |
| Sn1899 | 637.2 | 826.1 | 203.4 | .8764 | 904.8 | 127.9 | 83.35 | 33.83 |
| Sr3464 | 285.1 | 285.8 | 202.6 | -.3051 | 325.7 | 240.0 | 257.1 | 887.1 |
| Y_2243-A | 21398. | 21371. | 21428. | 21358. | 21772. | 21774. | 21810. | 21230. |
| Y_3203-A | 37105. | 37101. | 35349. | 36188. | 37442. | 36969. | 37496. | 36578. |
| Y_3600-R | 20146. | 19944. | 18383. | 18089. | 20149. | 19866. | 20028. | 19341. |

SUMMARY- VERTICAL REPORT

| | AN03666 | AN03667 | AN03668 | AN03669 | AN03670 | AN03671 | CCV | CCB |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 20:29:03 | 26 Sep 2011 20:34:01 | 26 Sep 2011 20:38:58 | 26 Sep 2011 20:43:56 | 26 Sep 2011 20:49:11 | 26 Sep 2011 20:54:15 | 26 Sep 2011 20:59:12 | 26 Sep 2011 21:03:51 |
| Ag3280 | -1.109 | -7542 | -7842 | -1.025 | -8840 | -6147 | 199.0 | -3759 |
| Al3961A | 47570. | 54130. | 62690. | F 101300. | F 69930. | 38350. | 4744. | -19.16 |
| Al3961R | 48520. | 55240. | 65370. | 104800. | 73600. | 39040. | 4881. | -28.62 |
| As1890 | 44.59 | 36.68 | 44.45 | 73.85 | 55.29 | 25.71 | 198.3 | -2.507 |
| Ba4554R | 112.3 | 146.6 | 134.0 | 214.5 | 176.3 | 130.4 | 203.1 | .4037 |
| Be3131R | 2.214 | 5.992 | 3.399 | 4.778 | 3.531 | 1.093 | 191.8 | .0125 |
| Ca3179R | 13130. | 9565. | 11200. | 14910. | 11750. | 8021. | 5075. | -21.57 |
| Cd2265 | -.9843 | -.9187 | -.8124 | -.4573 | -.2773 | -1.250 | 204.8 | -.0155 |
| Co2286 | 44.01 | 78.92 | 53.94 | 75.78 | 55.16 | 29.70 | 193.7 | -3283 |
| Cr2677 | 115.0 | 150.8 | 155.0 | 230.9 | 172.4 | 101.9 | 217.5 | -8149 |
| Cu3247 | 46.08 | 413.5 | 67.88 | 119.8 | 82.42 | 39.25 | 206.2 | -.0782 |
| Fe2599A | F 113800. | F 132200. | F 144800. | ^ ***** | F 159600. | F 93370. | 5410. | -18.21 |
| Fe2599R | 120800. | 143000. | 158700. | 233700. | 177200. | 98570. | 5062. | -22.29 |
| K_7664R | 8622. | 9314. | 11230. | 16240. | 10870. | 5791. | 5077. | 25.58 |
| Mg2790R | 24030. | 26070. | 30270. | 43240. | 30240. | 17500. | 5042. | -41.79 |
| Mn2576 | 1389. | 1454. | 1701. | 2454. | 1730. | 853.6 | 219.0 | -.0793 |
| Na5895R | 12800. | 15550. | 18100. | 20860. | 11440. | 5935. | 4997. | -144.1 |
| Ni2316 | 89.56 | 184.6 | 115.5 | 172.0 | 125.7 | 64.08 | 199.6 | -.3199 |
| Pb2203 | 69.34 | 446.6 | 53.57 | 76.33 | 55.99 | 41.42 | 208.1 | -.4901 |
| Sb2068 | 5465 | 2.020 | -1.861 | 2.584 | .1503 | .9048 | 184.4 | -5.050 |
| Se1960 | .2352 | -.7194 | 1.484 | 2.258 | 2.503 | 1.174 | 203.9 | .2456 |
| Ti1908 | -.1404 | -.2794 | -1.764 | -2.148 | -2.119 | -3.433 | 198.1 | -.7247 |
| V_2924 | 134.7 | 147.2 | 179.3 | 284.7 | 209.7 | 110.1 | 206.9 | .1049 |
| Zn2062 | 334.1 | 4497. | 370.6 | 528.4 | 394.3 | 229.8 | 217.0 | -.4368 |
| | | | | | | | | |
| Mo2020 | 7.679 | 24.91 | 28.80 | 58.10 | 59.23 | 27.71 | 197.1 | -.6879 |
| Ti3372 | 1323. | 1416. | 1542. | 2178. | 1638. | 1466. | 202.1 | .1682 |
| B_2089 | 50.74 | 69.71 | 91.84 | 96.07 | 55.10 | 19.31 | 189.0 | -1.633 |
| Si2881A | 2916. | 4177. | 3714. | 4084. | 2964. | 2955. | 5123. | -8.993 |
| Si2881R | 2837. | 4078. | 3662. | 3976. | 2903. | 2890. | 4947. | .1786 |
| Sn1899 | 2.689 | 366.6 | 3.749 | 5.816 | 4.659 | 3.176 | 207.6 | .9275 |
| Sr3464 | 85.36 | 88.31 | 112.0 | 162.1 | 109.8 | 55.41 | 205.7 | .0703 |
| Y_2243-A | 21966. | 22290. | 22543. | 22480. | 22340. | 22308. | 21819. | 22065. |
| Y_3203-A | 36449. | 36873. | 38027. | 37388. | 37795. | 36523. | 35182. | 36171. |
| Y_3600-R | 18621. | 19001. | 19114. | 19502. | 19073. | 18673. | 17403. | 17918. |

SUMMARY- VERTICAL REPORT

| | AN03672 | AN03673 | AN03674 | AN03676 | PBS-2 B19P32 | LCSS-3 B19P32 | LCSS-4 B19P32 | AN03675 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 21:08:39 | 26 Sep 2011 21:13:38 | 26 Sep 2011 21:18:36 | 26 Sep 2011 21:23:34 | 26 Sep 2011 21:29:13 | 26 Sep 2011 21:34:00 | 26 Sep 2011 21:38:58 | 26 Sep 2011 21:43:54 |
| Ag3280 | -1.589 | -1.049 | -6094 | 18.27 | -0051 | 49.99 | 52.89 | 22.59 |
| Al3961A | 49410. | 37900. | 58080. | F 188200. | .3667 | 7403. | 7740. | F 218700. |
| Al3961R | 51750. | 39110. | 58760. | 196900. | -1.060 | 7678. | 8066. | 236300. |
| As1890 | 33.53 | 29.14 | 46.28 | 332.7 | -2146 | 102.7 | 106.5 | 222.3 |
| Ba4554R | 165.7 | 119.7 | 260.2 | 1976. | .0636 | 308.4 | 327.4 | 2362. |
| Be3131R | 1.748 | 1.558 | 2.967 | 173.8 | .0059 | 85.82 | 90.56 | 277.3 |
| Ca3179R | 9375. | 8333. | 13860. | 168700. | 1.090 | 6011. | 6496. | 219500. |
| Cd2265 | -7274 | -1.177 | -1559 | 4.874 | -0117 | 101.0 | 106.9 | 75.60 |
| Co2286 | 47.26 | 32.34 | 50.26 | 1536. | -0170 | 125.5 | 131.6 | 1791. |
| Cr2677 | 125.0 | 93.20 | 177.6 | 2395. | -0382 | 93.53 | 98.95 | 3451. |
| Cu3247 | 49.31 | 40.58 | 77.23 | 32450. | .3081 | 80.38 | 84.80 | 37240. |
| Fe2599A | F 115000. | F 101400. | F 144300. | A ***** | F 7.889 | 11630. | 11820. | A ***** |
| Fe2599R | 123200. | 106000. | 159800. | F 1015000. | F 7.852 | 12430. | 12760. | F 1321000. |
| K_7664R | 7631. | 5279. | 9032. | 28020. | -2.222 | 2353. | 2477. | 30940. |
| Mg2790R | 23700. | 17400. | 26360. | 85120. | -7117 | 2599. | 2834. | 115000. |
| Mn2576 | 1119. | 951.6 | 1987. | 11670. | .0847 | 433.5 | 452.0 | 13170. |
| Na5895R | 8260. | 5922. | 8791. | 65450. | -15.18 | 643.8 | 680.9 | 74980. |
| Ni2316 | 93.38 | 64.16 | 124.1 | 4988. | .0284 | 102.8 | 108.9 | 12880. |
| Pb2203 | 38.71 | 39.02 | 48.74 | 30440. | .3054 | 138.1 | 146.8 | 44140. |
| Sb2068 | .4399 | -1.890 | -5025 | 179.4 | -3076 | 179.9 | 185.4 | 25.40 |
| Se1960 | .0888 | 2.661 | 1.791 | -1.396 | .2844 | 185.8 | 194.1 | 5.727 |
| Ti1908 | -3.028 | -2.639 | -8993 | -7.915 | -2293 | 160.4 | 168.6 | -5.406 |
| V_2924 | 141.5 | 100.5 | 213.0 | 1045. | -0097 | 107.4 | 112.0 | 14330. |
| Zn2062 | 301.9 | 233.7 | 339.2 | F 119700. | 1.373 | 288.2 | 302.7 | F 126300. |
| | | | | | | | | |
| Mo2020 | 34.27 | 29.15 | 44.87 | 501.2 | -0005 | 82.16 | 85.22 | 637.3 |
| Ti3372 | 1593. | 1368. | 1871. | 4183. | .0329 | 143.9 | 134.5 | 7484. |
| B_2089 | 29.68 | 17.08 | 57.22 | 1849. | -0035 | 119.1 | 121.2 | 2129. |
| Si2881A | 2544. | 1963. | 2656. | 3644. | -4775 | 716.1 | 706.2 | 7224. |
| Si2881R | 2543. | 2005. | 2623. | 3468. | -4685 | 705.2 | 695.0 | 7052. |
| Sn1899 | 2.762 | 2.868 | 4.484 | 11370. | .0831 | 139.8 | 145.5 | 11390. |
| Sr3464 | 68.30 | 61.94 | 113.3 | 1408. | -0012 | 101.6 | 105.6 | 1873. |
| Y_2243-A | 22322. | 22043. | 22442. | 21210. | 21489. | 21480. | 21329. | 20313. |
| Y_3203-A | 37419. | 36508. | 38179. | 35384. | 35458. | 36479. | 35817. | 35269. |
| Y_3600-R | 18561. | 18510. | 19474. | 18399. | 17386. | 18762. | 18254. | 17982. |

SUMMARY- VERTICAL REPORT

| | AN03675 MS | AN03675 SDL | CCV | CCB | AN03677 / | AN03678 | AN03679 | AN03680 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 21:49:42 | 26 Sep 2011 21:55:29 | 26 Sep 2011 22:00:44 | 26 Sep 2011 22:05:22 | 26 Sep 2011 22:10:10 | 26 Sep 2011 22:15:17 | 26 Sep 2011 22:20:41 | 26 Sep 2011 22:25:47 |
| Ag3280 | 219.3 | 218.5 | 198.5 | -6937 | 21.01 | 22.03 | 23.15 | 21.30 |
| Al3961A | F 222700. | F 233200. | 4876. | -17.65 | F 108300. | F 82140. | F 110000. | F 93250. |
| Al3961R | 238600. | 239500. | 4912. | -19.92 | 112000. | 86180. | 114200. | 97340. |
| As1890 | 412.2 | 405.1 | 199.1 | -2701 | 523.5 | 447.5 | 629.5 | 689.8 |
| Ba4554R | 2486. | 2524. | 204.6 | 5059 | 1893. | 1551. | 1812. | 1716. |
| Be3131R | 453.8 | 465.8 | 189.6 | 1965 | 34.10 | 34.13 | 22.97 | 5.222 |
| Ca3179R | 219700. | 234500. | 5142. | -16.12 | 43130. | F 1288000. | 39920. | 47310. |
| Cd2265 | 247.8 | 249.1 | 206.9 | .0034 | 10.23 | 8.256 | 13.20 | 7.906 |
| Co2286 | 1942. | 2049. | 195.1 | -2159 | 220.7 | 192.3 | 199.2 | 83.13 |
| Cr2677 | 3584. | 3865. | 218.8 | -7407 | 1434. | 1333. | 1312. | 1130. |
| Cu3247 | 37760. | 37730. | 204.1 | .7513 | 5386. | 3946. | 4251. | 2977. |
| Fe2599A | A ***** | A ***** | 5408. | -3.915 | A ***** | A ***** | A ***** | A ***** |
| Fe2599R | F 1304000. | F 1547000. | 5054. | -6.865 | 359200. | 319400. | 333100. | 269400. |
| K_7664R | 35460. | 35370. | 5103. | -32.05 | 21440. | 16830. | 22910. | 19320. |
| Mg2790R | 117900. | 125200. | 5090. | -28.77 | 54650. | 48760. | 54780. | 48000. |
| Mn2576 | 13270. | 14770. | 218.6 | .0455 | 4198. | 9039. | 3801. | 3228. |
| Na5895R | 79290. | 79480. | 5027. | -174.9 | 52150. | 51550. | 46390. | 37300. |
| Ni2316 | 12790. | 13740. | 202.2 | -2491 | 652.0 | 739.8 | 713.1 | 567.8 |
| Pb2203 | 43650. | 46310. | 213.2 | 1.687 | 31650. | F 189400. | 17070. | 19470. |
| Sb2068 | 210.6 | 218.2 | 185.6 | -2.660 | 277.5 | 24.90 | 33.52 | 24.66 |
| Se1960 | 184.4 | 200.7 | 204.6 | 3.238 | 10.77 | 11.73 | 16.39 | 21.22 |
| Ti1908 | 166.6 | 173.4 | 196.3 | .6324 | -1.702 | -10.40 | .8670 | .4417 |
| V_2924 | 14270. | 15190. | 205.6 | -.0238 | 555.7 | 628.0 | 492.2 | 532.9 |
| Zn2062 | F 125000. | F 182800. | 229.5 | 3.328 | 21080. | 17700. | 18870. | 6074. |
| | | | | | | | | |
| Mo2020 | 812.3 | 832.2 | 196.2 | -6232 | 59.89 | 57.27 | 54.19 | 15.58 |
| Ti3372 | 7215. | 7477. | 200.3 | .0700 | 2204. | 1824. | 2116. | 1986. |
| B_2089 | 2256. | 2325. | 189.4 | -1.753 | 244.9 | 359.1 | 227.9 | 127.9 |
| Si2881A | 4661. | 5080. | 5108. | -6.997 | 6851. | 5515. | 6977. | 4361. |
| Si2881R | 4463. | 4699. | 5007. | 13.24 | 6601. | 5317. | 6735. | 4180. |
| Sn1899 | 11580. | 12620. | 209.5 | .1596 | 1848. | 1261. | 1431. | 621.5 |
| Sr3464 | 2019. | 2182. | 206.2 | -.0338 | 453.3 | 5204. | 449.8 | 518.7 |
| Y_2243-A | 20288. | 21419. | 21984. | 22243. | 22255. | 20774. | 22462. | 22779. |
| Y_3203-A | 35127. | 35228. | 35381. | 35738. | 36882. | 34886. | 37313. | 37145. |
| Y_3600-R | 18194. | 17314. | 16696. | 16749. | 18356. | 17579. | 18703. | 18276. |

SUMMARY- VERTICAL REPORT

| | AN03681 | AN03682 | AN03683 | AN03684 | AN03685 | AN03686 | CCV | CCB |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 22:30:56 | 26 Sep 2011 22:36:05 | 26 Sep 2011 22:41:18 | 26 Sep 2011 22:46:28 | 26 Sep 2011 22:51:38 | 26 Sep 2011 22:56:48 | 26 Sep 2011 23:01:58 | 26 Sep 2011 23:06:33 |
| Ag3280 | 24.73 | 21.27 | 23.98 | 26.03 / | 33.06 | 32.03 | 196.0 | 3005 |
| Al3961A | F 107400. | F 94570. | F 105000. | F 85450. | F 112700. | F 115500. | 4670. | -16.03 |
| Al3961R | 112600. | 99290. | 107500. / | 88550. / | 119000. | 119400. | 4879. | -7.979 |
| As1890 | 622.5 | 513.0 | 559.5 | 372.4 | 504.7 | 469.9 | 203.9 | -3.335 |
| Ba4554R | 1914. | 1562. | 1518. | 1536. | 2023. | 1968. | 204.1 | 1.489 |
| Be3131R | 5.414 | 5.107 | 5.597 | 4.722 | 6.136 | 5.952 | 186.3 | 1603 |
| Ca3179R | 56370. | 31340. | 36390. | 33920. / | 52440. | 45720. / | 5129. | -13.41 |
| Cd2265 | 11.50 | 9.969 | 5.331 | 8.506 | 11.37 | 11.28 | 207.5 | -1066 |
| Co2286 | 83.90 | 73.08 | 81.66 | 63.54 | 83.18 | 83.91 | 195.2 | -1843 |
| Cr2677 | 1188. | 1052. | 1094. | 979.9 | 1310. | 1381. | 223.2 | -9050 |
| Cu3247 | 2689. | 2041. | 2281. | 1972. | 2762. | 2794. | 203.4 | 0908 |
| Fe2599A | A ***** | F 199600. | A ***** | F 187800. | A ***** | A ***** | 5401. | -10.13 |
| Fe2599R | 270200. / | 224800. / | 243000. / | 203600. / | 259600. | 256100. | 5006. | -15.72 |
| K_7664R | 21550. | 18600. | 19670. | 18850. | 24820. | 23070. | 5139. | -58.66 |
| Mg2790R | 51600. | 44250. | 48420. | 46980. | 60890. | 60700. | 5131. | -39.39 |
| Mn2576 | 3572. | 3069. | 3600. | 2547. | 3735. | 3445. | 218.5 | 0528 |
| Na5895R | 35420. | 26260. | 25020. | 67620. | 71550. | 69970. | 5047. | -133.7 |
| Ni2316 | 542.4 | 438.4 | 490.7 | 317.5 | 361.3 | 449.3 | 202.6 | -2977 |
| Pb2203 | 11630. / | 8980. / | 9131. / | 4948. / | 5226. / | 6281. / | 210.7 | 2.648 |
| Sb2068 | 31.58 | 28.51 | 11.60 | 9.324 | 16.35 | 10.51 | 190.9 | -7933 |
| Se1960 | 23.89 | 16.09 | 18.58 | 19.92 | 22.08 | 31.41 | 209.1 | 1.426 |
| Ti1908 | 1585 | -2099 | -9164 | 6157 | -1679 | -0953 | 200.2 | -2.678 |
| V_2924 | 428.5 | 326.8 | 377.3 | 275.3 | 376.1 | 353.4 / | 206.1 | -1839 |
| Zn2062 | 4601. | 4000. | 4313. / | 3480. | 4381. | 4388. / | 229.4 | 6387 |
| | | | | | | | | |
| Mo2020 | 12.68 | 9.182 | 10.48 | 9.736 | 11.60 | 11.15 | 195.6 | -0807 |
| Ti3372 | 2153. | 1769. | 1812. | 1889. | 2394. | 2390. | 199.7 | 0578 |
| B_2089 | 135.4 | 112.5 | 116.4 | 129.0 | 175.2 | 161.1 | 186.8 | -2.658 |
| Si2881A | 4239. | 3389. | 3575. | 4149. | 4078. | 4721. | 5173. | -14.95 |
| Si2881R | 4110. | 3270. | 3413. | 3982. | 3942. | 4567. | 4922. | -10.74 |
| Sn1899 | 560.7 | 518.0 | 491.1 | 1079. | 1475. | 1297. | 211.4 | 1.670 |
| Sr3464 | 575.8 | 331.7 | 357.4 | 388.8 | 483.4 | 486.8 | 206.4 | 0683 |
| Y_2243-A | 22632. | 22773. | 22730. | 22871. | 23020. | 22599. | 22818. | 23129. |
| Y_3203-A | 36982. | 37681. | 37250. | 36648. | 38242. | 37108. | 36383. | 36501. |
| Y_3600-R | 18210. | 18574. | 18709. | 17864. | 18654. | 18217. | 16504. | 16409. |

SUMMARY- VERTICAL REPORT

| | AN03687 | AN03688 | AN03689 | AN03690 | AN03691 | AN03692 | AN03693 | AN03694 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 23:11:22 | 26 Sep 2011 23:16:36 | 26 Sep 2011 23:21:44 | 26 Sep 2011 23:26:58 | 26 Sep 2011 23:32:12 | 26 Sep 2011 23:37:21 | 26 Sep 2011 23:42:31 | 26 Sep 2011 23:47:42 |
| Ag3280 | 24.94 | 29.25 | 23.73 | 21.21 | 24.46 | 22.04 | 10.85 | 11.10 |
| Al3961A | F 97510. | F 125100. | F 93810. | F 89000. | F 97770. | F 94960. | F 96850. | F 121000. |
| Al3961R | 101800. ✓ | 130100. | 97110. | 94040. | 103200. | 100300. | 100600. | 127200. ✓ |
| As1890 | 400.7 | 483.3 | 402.9 | 457.2 | 558.3 | 582.5 | 533.4 | 575.4 |
| Ba4554R | 1927. | 1760. | 1321. | 1487. | 1591. | 1603. | 884.5 | 1010. |
| Be3131R | 5.151 | 6.470 | 4.816 | 4.976 | 5.080 | 5.299 | 5.130 | 6.142 |
| Ca3179R | 44020. | 43780. | 39470. | 36180. | 35330. | 36980. | 30360. | 39590. ✓ |
| Cd2265 | 10.96 | 8.152 | 5.208 | 9.590 | 11.58 | 11.57 | 5.225 | 5.486 |
| Co2286 | 70.42 | 88.89 | 69.35 | 70.26 | 77.97 | 79.47 | 84.08 | 95.61 |
| Cr2677 | 1038. | 1256. | 924.9 | 1007. | 1145. | 1113. | 733.1 | 817.6 |
| Cu3247 | 2154. | 2477. | 1853. | 1848. | 2282. | 2313. | 1836. | 1830. |
| Fe2599A | F 200400. | A ***** | F 206800. | F 201000. | A ***** | A ***** | A ***** | A ***** |
| Fe2599R | 215000. ✓ | 267800. | 221400. / | 217200. / | 237400. | 241800. | 236500. / | 260900. ✓ |
| K_7664R | 20750. | 25770. | 19980. / | 18740. | 20340. | 19480. | 19400. | 20580. |
| Mg2790R | 51840. ✓ | 63390. | 50350. | 47520. | 50550. | 49200. | 46480. | 51380. ✓ |
| Mn2576 | 3400. | 4210. | 3278. | 3011. | 3068. | 3115. | 3690. | 4795. |
| Na5895R | 54970. | 65730. | 51640. | 46300. / | 48820. | 41240. | 42000. | 12800. |
| Ni2316 | 302.3 | 378.8 | 296.2 | 341.8 | 480.4 | 498.3 | 536.2 | 507.1 |
| Pb2203 | 5202. ✓ | 5412. | 5159. / | 5899. / | 9190. ✓ | 10060. | 10400. / | 10860. ✓ |
| Sb2068 | 23.72 | 21.56 | 16.62 | 23.55 | 32.66 | 43.77 | 13.74 | 18.45 |
| Se1960 | 23.88 | 20.83 | 21.93 | 18.31 | 19.03 | 17.63 | 7.711 | 11.70 |
| Ti1908 | 1.032 | -1.060 | -7469 | -1.351 | 1.234 | -6768 | .2774 | -3.151 |
| V_2924 | 315.0 ✓ | 386.5 | 310.9 / | 318.0 / | 365.9 | 366.6 | 248.3 / | 327.0 ✓ |
| Zn2062 | 3731. ✓ | 4532. | 3322. / | 3410. | 4307. | 4446. | 2912. / | 2767. ✓ |
| | | | | | | | | |
| Mo2020 | 8.726 | 12.47 | 8.472 | 8.543 | 10.01 | 12.11 | 11.93 | 6.777 |
| Ti3372 | 2274. | 2236. | 1859. | 1577. | 1690. | 1675. | 1565. | 1660. |
| B_2089 | 153.9 | 187.1 | 147.4 | 130.5 | 144.7 | 135.6 | 114.0 | 80.40 |
| Si2881A | 4469. | 5527. | 4114. | 3983. | 3317. | 3780. | 5318. | 4362. |
| Si2881R | 4279. | 5245. | 3951. | 3792. | 3175. | 3635. | 5090. | 4132. |
| Sn1899 | 928.6 | 849.5 | 521.0 | 475.8 | 563.6 | 541.7 | 768.8 | 856.5 |
| Sr3464 | 409.5 | 439.6 | 360.9 | 374.2 | 422.1 | 418.3 | 288.8 | 314.2 |
| Y_2243-A | 23013. | 23666. | 23470. | 23054. | 23162. | 23587. | 23101. | 23664. |
| Y_3203-A | 37041. | 37662. | 37442. | 37081. | 37361. | 37893. | 36833. | 37985. |
| Y_3600-R | 17840. | 17833. | 17514. | 17547. | 17516. | 17688. | 17650. | 17843. |

SUMMARY- VERTICAL REPORT

| | PBS-2 B19P32 | WASH | CCV | CCB | CCV | CCB | RL | 2RL | IOS |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 26 Sep 2011 23:52:51 | 26 Sep 2011 23:57:41 | 27 Sep 2011 00:02:29 | 27 Sep 2011 00:07:05 | 27 Sep 2011 00:11:52 | 27 Sep 2011 00:16:27 | 27 Sep 2011 00:21:15 | 27 Sep 2011 00:28:02 | 27 Sep 2011 00:30:48 |
| Ag3280 | -.0342 | .5377 | 194.2 | -.5482 | 198.8 | -.2741 | 4.781 | 10.04 | -.6435 |
| Al3961A | -.4783 | -20.45 | 4618. | -18.11 | 4754. | -.17.77 | 75.59 | 171.4 | 272900. |
| Al3961R | 1.110 | -22.03 | 4883. | -37.83 | 4917. | -13.40 | F 53.63 | 175.3 | 292700. |
| As1890 | .0403 | -2.167 | 202.8 | -2.598 | 206.0 | -1.409 | 7.796 | 18.67 | -2.634 |
| Ba4554R | .0961 | 1.152 | 205.6 | 1.161 | 208.0 | .5513 | 104.9 | 211.7 | .8226 |
| Be3131R | .0121 | .0149 | 185.2 | -.1448 | 183.1 | .1302 | 3.169 | 6.125 | .7094 |
| Ca3179R | -1.542 | -18.62 | 5134. | -18.63 | 5188. | -17.83 | 494.2 | 1011. | 296900. |
| Cd2265 | -.0170 | -.1268 | 208.0 | -.0900 | 211.6 | -.0837 | 2.851 | 6.079 | -1.737 |
| Co2286 | -.0085 | -.3275 | 195.2 | -.2891 | 196.9 | -.0494 | 20.13 | 40.01 | -1.412 |
| Cr2677 | -.0281 | -1.027 | 222.0 | -.8066 | 228.5 | -.5527 | 5.278 | 11.07 | -.3794 |
| Cu3247 | .1261 | .4338 | 201.3 | .0135 | 203.0 | .9289 | 11.13 | 21.54 | 5.143 |
| Fe2599A | 1.727 | -18.86 | 5380. | -13.60 | 5556. | -14.23 | 35.28 | 89.40 | A ***** |
| Fe2599R | 1.393 | -24.86 | 4926. | -17.80 | 4970. | -17.95 | F 30.30 | 73.61 | 285400. |
| K_7664R | -1.264 | -41.01 | 5172. | -32.66 | 5138. | -46.34 | 493.9 | 1037. | 74.24 |
| Mg2790R | -1.477 | -52.51 | 5104. | -25.57 | 5157. | -35.82 | 483.5 | 993.0 | 295800. |
| Mn2576 | .0460 | -.1273 | 218.4 | -.0560 | 224.4 | -.0599 | 5.666 | 11.40 | -.0350 |
| Na5895R | -14.14 | -163.5 | 5006. | -170.3 | 5031. | -164.9 | 875.1 | 1918. | 307200. |
| Ni2316 | -.0439 | -1.109 | 201.8 | -.2173 | 205.0 | -.2897 | 19.65 | 39.91 | -1.452 |
| Pb2203 | .1198 | -.1593 | 210.7 | -.4013 | 214.2 | -.2208 | 9.768 | 18.48 | 7.884 |
| Sb2068 | .0621 | -2.703 | 189.6 | -3.440 | 190.7 | -3.290 | 14.65 | 32.97 | .2920 |
| Se1960 | .0066 | 2.465 | 211.2 | 3.421 | 218.2 | .1079 | 22.76 | 43.83 | -6.062 |
| Ti1908 | -.0692 | -2.185 | 196.4 | -3.545 | 197.0 | -1.309 | 19.67 | 38.60 | .8131 |
| V_2924 | -.0422 | -.3894 | 205.4 | -.4786 | 212.5 | .0705 | 21.11 | 42.17 | -.3432 |
| Zn2062 | -.2023 | -2.010 | 230.4 | .4560 | 239.0 | .4981 | 20.08 | 43.46 | -1.809 |
| | | | | | | | | | |
| Mo2020 | -.0507 | .0025 | 194.3 | -.5210 | 195.1 | .1191 | 9.901 | 20.13 | -2.133 |
| Ti3372 | .0111 | .0243 | 198.7 | -.0348 | 201.2 | .1098 | 10.39 | 20.98 | 1.552 |
| B_2089 | -.2892 | -2.673 | 187.0 | -2.474 | 186.1 | -1.215 | 7.430 | 17.48 | -8.592 |
| Si2881A | -.9010 | -9.964 | 5145. | -11.18 | 5329. | -12.88 | 515.7 | 1043. | -25.47 |
| Si2881R | 1.008 | 4.039 | 4924. | 7.160 | 4960. | 7.122 | 463.6 | 988.8 | -21.16 |
| Sn1899 | .0189 | .6324 | 212.1 | .7424 | 217.7 | 1.542 | 10.54 | 22.14 | 2.579 |
| Sr3464 | -.0656 | -.4854 | 205.6 | .2495 | 211.8 | .2080 | 10.92 | 21.61 | .7516 |
| Y_2243-A | 22752. | 23467. | 23299. | 23240. | 23639. | 23317. | 22452. | 22672. | 20494. |
| Y_3203-A | 35886. | 35889. | 37078. | 36593. | 36449. | 37300. | 35354. | 35449. | 33396. |
| Y_3600-R | 16013. | 16261. | 16413. | 16522. | 15880. | 17073. | 16350. | 16381. | 16205. |

Sample Name: Blank Acquired: 9/26/2011 18:28:18 Type: Cal
Method: PT_MET(v106) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0007 | .0155 | .0029 | -.0001 | .0078 | .0009 | .0071 | .0004 | .0001 | .0002 | .0130 |
| Stddev | .0004 | .0030 | .0005 | .0000 | .0003 | .0003 | .0012 | .0003 | .0000 | .0001 | .0002 |
| %RSD | 51.47 | 19.07 | 17.27 | 53.14 | 3.700 | 31.51 | 16.13 | 58.93 | 28.30 | 36.19 | 1.858 |

| | | | | | | | | | | | |
|----|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| #1 | -.0006 | .0130 | .0023 | -.0001 | .0079 | .0006 | .0060 | .0007 | .0001 | .0002 | .0129 |
| #2 | -.0004 | .0188 | .0031 | .0000 | .0081 | .0009 | .0083 | .0002 | .0001 | .0002 | .0133 |
| #3 | -.0011 | .0148 | .0032 | -.0001 | .0075 | .0011 | .0072 | .0005 | .0001 | .0003 | .0129 |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0139 | .0021 | -.0118 | .0004 | .0008 | .0260 | .0000 | .0003 | .0003 | .0001 | -.0001 |
| Stddev | .0035 | .0005 | .0010 | .0001 | .0002 | .0007 | .000 | .0002 | .0002 | .0001 | .0000 |
| %RSD | 25.24 | 26.64 | 8.740 | 24.33 | 18.85 | 2.722 | 691.4 | 71.66 | 61.42 | 37.32 | 29.85 |

| | | | | | | | | | | | |
|----|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|--------|
| #1 | .0105 | .0015 | -.0113 | .0005 | .0008 | .0267 | .0001 | .0003 | .0004 | .0001 | -.0001 |
| #2 | .0175 | .0025 | -.0112 | .0005 | .0007 | .0253 | .0000 | .0001 | .0005 | .0002 | -.0002 |
| #3 | .0137 | .0022 | -.0130 | .0003 | .0010 | .0260 | -.0001 | .0004 | .0001 | .0001 | -.0002 |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0001 | .0025 | .0000 | -.0010 | .0000 | .0165 | .0009 | -.0006 | .0001 |
| Stddev | .0002 | .0001 | .000 | .0004 | .0001 | .0002 | .0001 | .0004 | .0001 |
| %RSD | 142.6 | 2.172 | 149.4 | 41.45 | 25150. | 1.491 | 15.87 | 62.94 | 109.3 |

| | | | | | | | | | |
|----|--------|-------|--------|--------|--------|-------|-------|--------|-------|
| #1 | -.0002 | .0026 | .0000 | -.0006 | .0001 | .0168 | .0010 | -.0009 | .0002 |
| #2 | .0001 | .0025 | -.0001 | -.0009 | -.0001 | .0163 | .0008 | -.0006 | .0002 |
| #3 | -.0002 | .0025 | .0000 | -.0014 | .0000 | .0164 | .0008 | -.0002 | .0000 |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20049. | 34816. | 18649. |
| Stddev | 130. | 432. | 68. |
| %RSD | .64811 | 1.2395 | .36470 |

| | | | |
|----|--------|--------|--------|
| #1 | 20180. | 34903. | 18670. |
| #2 | 19920. | 35198. | 18704. |
| #3 | 20046. | 34348. | 18573. |

Sample Name: MID STD Acquired: 9/26/2011 18:33:04 Type: Cal
Method: PT_MET(v106) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .4179 | 2.433 | .2416 | .1766 | 10.60 | 9.067 | .5731 | 6.770 | 2.219 | 1.008 | 4.363 |
| Stddev | .0025 | .017 | .0017 | .0012 | .05 | .023 | .0018 | .053 | .006 | .002 | .019 |
| %RSD | .6064 | .6922 | .6935 | .7009 | .4533 | .2523 | .3126 | .7871 | .2842 | .1952 | .4446 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | .4179 | 2.443 | .2402 | .1760 | 10.59 | 9.041 | .5717 | 6.727 | 2.219 | 1.009 | 4.385 |
| #2 | .4204 | 2.442 | .2434 | .1781 | 10.65 | 9.081 | .5751 | 6.829 | 2.226 | 1.006 | 4.355 |
| #3 | .4154 | 2.414 | .2411 | .1758 | 10.56 | 9.081 | .5725 | 6.753 | 2.213 | 1.009 | 4.348 |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.881 | .3612 | .1346 | .0646 | 17.55 | .5188 | 1.223 | .4879 | .2886 | .1501 | .2353 |
| Stddev | .031 | .0008 | .0010 | .0005 | .10 | .0022 | .002 | .0034 | .0008 | .0007 | .0010 |
| %RSD | 1.090 | .2345 | .7633 | .7215 | .5763 | .4155 | .1551 | .6953 | .2799 | .4495 | .4292 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 2.872 | .3605 | .1335 | .0642 | 17.59 | .5179 | 1.225 | .4853 | .2893 | .1508 | .2364 |
| #2 | 2.916 | .3621 | .1347 | .0645 | 17.44 | .5213 | 1.224 | .4918 | .2888 | .1494 | .2351 |
| #3 | 2.855 | .3610 | .1356 | .0651 | 17.63 | .5173 | 1.221 | .4867 | .2877 | .1500 | .2344 |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 3.725 | 2.773 | 1.532 | 10.48 | .8305 | .7636 | .1119 | 2.859 | .4021 |
| Stddev | .011 | .023 | .006 | .13 | .0037 | .0013 | .0008 | .011 | .0010 |
| %RSD | .2839 | .8419 | .3947 | 1.280 | .4489 | .1702 | .7407 | .3806 | .2380 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.729 | 2.753 | 1.538 | 10.57 | .8311 | .7650 | .1110 | 2.856 | .4021 |
| #2 | 3.733 | 2.799 | 1.530 | 10.33 | .8339 | .7634 | .1126 | 2.871 | .4030 |
| #3 | 3.713 | 2.767 | 1.526 | 10.54 | .8265 | .7624 | .1122 | 2.850 | .4011 |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20111. | 35802. | 18977. |
| Stddev | 65. | 179. | 201. |
| %RSD | .32203 | .49893 | 1.0590 |

| | | | |
|----|--------|--------|--------|
| #1 | 20037. | 35611. | 18960. |
| #2 | 20133. | 35830. | 18785. |
| #3 | 20161. | 35965. | 19186. |

Sample Name: HIGH STD Acquired: 9/26/2011 18:37:51 Type: Cal
Method: PT_MET(v106) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .8426 | 4.924 | .4832 | .3550 | 20.86 | 17.81 | 1.146 | 13.44 | 4.433 | 2.015 | 8.633 |
| Stddev | .0026 | .025 | .0049 | .0001 | .22 | .24 | .016 | .04 | .006 | .015 | .063 |
| %RSD | .3103 | .4965 | 1.023 | .0158 | 1.046 | 1.368 | 1.392 | .2748 | .1451 | .7394 | .7241 |
| #1 | .8434 | 4.931 | .4885 | .3550 | 20.77 | 18.08 | 1.164 | 13.46 | 4.439 | 2.020 | 8.595 |
| #2 | .8396 | 4.897 | .4786 | .3550 | 20.70 | 17.61 | 1.134 | 13.45 | 4.435 | 2.027 | 8.705 |
| #3 | .8447 | 4.945 | .4826 | .3549 | 21.11 | 17.73 | 1.139 | 13.39 | 4.426 | 1.998 | 8.599 |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 5.790 | .7249 | .2790 | .1294 | 35.04 | 1.017 | 2.445 | .9699 | .5787 | .3015 | .4725 |
| Stddev | .029 | .0023 | .0022 | .0010 | .09 | .002 | .004 | .0033 | .0010 | .0012 | .0016 |
| %RSD | .5101 | .3176 | .8017 | .7988 | .2482 | .2388 | .1735 | .3444 | .1671 | .3992 | .3280 |
| #1 | 5.824 | .7275 | .2811 | .1304 | 35.13 | 1.019 | 2.449 | .9719 | .5782 | .3028 | .4735 |
| #2 | 5.777 | .7239 | .2766 | .1284 | 35.02 | 1.015 | 2.443 | .9716 | .5781 | .3013 | .4707 |
| #3 | 5.770 | .7233 | .2792 | .1294 | 34.96 | 1.018 | 2.442 | .9660 | .5798 | .3005 | .4733 |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 7.529 | 5.536 | 3.090 | 20.78 | 1.667 | 1.519 | .2224 | 5.764 | .8046 |
| Stddev | .033 | .033 | .003 | .23 | .004 | .004 | .0022 | .036 | .0034 |
| %RSD | .4412 | .5947 | .1029 | 1.096 | .2466 | .2303 | .9674 | .6284 | .4202 |
| #1 | 7.565 | 5.565 | 3.091 | 20.58 | 1.662 | 1.522 | .2247 | 5.795 | .8079 |
| #2 | 7.522 | 5.543 | 3.087 | 21.03 | 1.668 | 1.520 | .2204 | 5.775 | .8048 |
| #3 | 7.500 | 5.500 | 3.093 | 20.72 | 1.670 | 1.515 | .2222 | 5.724 | .8011 |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20223. | 35613. | 18862. |
| Stddev | 109. | 222. | 319. |
| %RSD | .53800 | .62358 | 1.6935 |
| #1 | 20102. | 35372. | 18495. |
| #2 | 20253. | 35658. | 19081. |
| #3 | 20313. | 35809. | 19009. |

| Element, Wavelength and Order | Date of Fit | Date of Cal. | Type of Fit | Weighting | A0 | A1 | A2 | n (Exponent) | Correlation | Std Error of Est | MDL | MQL |
|-------------------------------------|--------------------|--------------------|----------------|-----------|-----------|----------|----------|--------------|-------------|---------------------|----------|-----------|
| Ag 328.068 (103) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | -0.000690 | 0.000842 | 0.000000 | 1.000000 | 0.999994 | 0.131741 | 0.395224 | 1.317414 |
| Al 396.152 (85) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.015498 | 0.000479 | 0.000000 | 1.000000 | 0.999975 | 0.888239 | 2.664716 | 8.882386 |
| Al 396.152 (85)2 | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.002879 | 0.000046 | 0.000000 | 1.000000 | 0.999996 | 0.378453 | 1.135360 | 3.784533 |
| As 189.042 (478) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | -0.000060 | 0.000035 | 0.000000 | 1.000000 | 0.999998 | 0.264523 | 0.793568 | 2.645225 |
| Ba 455.403 (74) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.007890 | 0.002096 | 0.000000 | 1.000000 | 0.999972 | 0.912213 | 2.736638 | 9.122126 |
| Be 313.107 (108) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000921 | 0.001791 | 0.000000 | 1.000000 | 0.999964 | 1.044915 | 3.134744 | 10.449147 |
| Ce 317.933 (106) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.007143 | 0.000113 | 0.000000 | 1.000000 | 0.999996 | 0.329872 | 0.989615 | 3.298717 |
| Cd 226.502 (449) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000458 | 0.001347 | 0.000000 | 1.000000 | 0.999994 | 0.441010 | 1.323031 | 4.410103 |
| Co 228.616 (447) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000083 | 0.000443 | 0.000000 | 1.000000 | 1.000000 | 0.062343 | 0.187028 | 0.623427 |
| Cr 267.716 (126) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000235 | 0.000201 | 0.000000 | 1.000000 | 1.000000 | 0.019254 | 0.057762 | 0.192540 |
| Cu 324.754 (104) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.013050 | 0.000867 | 0.000000 | 1.000000 | 0.999991 | 0.526797 | 1.580392 | 5.267972 |
| Fe 259.940 (130) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.013895 | 0.000577 | 0.000000 | 1.000000 | 0.999994 | 0.421006 | 1.263019 | 4.210064 |
| Fe 259.940 (130)2 | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.002062 | 0.000072 | 0.000000 | 1.000000 | 0.999995 | 0.367221 | 1.101662 | 3.672207 |
| K 766.490 (44) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | -0.011809 | 0.000029 | 0.000000 | 1.000000 | 0.999995 | 0.396166 | 1.188499 | 3.961663 |
| Mg 279.079 (121) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000444 | 0.000013 | 0.000000 | 1.000000 | 0.999997 | 0.286375 | 0.859125 | 2.863751 |
| Mn 257.610 (131) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000824 | 0.003506 | 0.000000 | 1.000000 | 1.000000 | 0.104827 | 0.314481 | 1.048271 |
| Na 589.592 (57) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.025997 | 0.000099 | 0.000000 | 1.000000 | 0.999996 | 0.336807 | 1.010420 | 3.368067 |
| Ni 231.604 (445) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | -0.000013 | 0.000245 | 0.000000 | 1.000000 | 1.000000 | 0.050654 | 0.151962 | 0.506538 |
| Pb 220.353 (453) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000252 | 0.000097 | 0.000000 | 1.000000 | 0.999996 | 0.341480 | 1.024441 | 3.414805 |
| Sb 206.833 (463) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000324 | 0.000059 | 0.000000 | 1.000000 | 0.999999 | 0.183018 | 0.549053 | 1.830177 |
| Se 196.090 (472) | 9/26/2011 18:42:59 | 9/26/2011 18:42:59 | Linear | 1/Conc | 0.000144 | 0.000030 | 0.000000 | 1.000000 | 0.999997 | 0.290248 | 0.870744 | 2.902479 |
| Ti 190.856 (477) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | -0.000142 | 0.000047 | 0.000000 | 1.000000 | 0.999998 | 0.214595 | 0.643784 | 2.145945 |
| V 292.402 (115) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | -0.000123 | 0.000751 | 0.000000 | 1.000000 | 0.999988 | 0.605356 | 1.816067 | 6.053557 |
| Zn 206.200 (463) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | 0.002528 | 0.000554 | 0.000000 | 1.000000 | 1.000000 | 0.081767 | 0.245302 | 0.817674 |
| Mo 202.030 (467) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | -0.000041 | 0.000308 | 0.000000 | 1.000000 | 0.999991 | 0.509029 | 1.527087 | 5.090290 |
| Ti 337.280 (100) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | -0.000954 | 0.002085 | 0.000000 | 1.000000 | 0.999991 | 0.511970 | 1.535910 | 5.119700 |
| B 208.959 (461) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | -0.000000 | 0.000158 | 0.000000 | 1.000000 | 0.999999 | 0.208979 | 0.626937 | 2.089790 |
| Si 288.158 (117) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | 0.016500 | 0.000149 | 0.000000 | 1.000000 | 0.999996 | 0.327657 | 0.982970 | 3.276566 |
| Si 288.158 (117)2 | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | 0.000867 | 0.000022 | 0.000000 | 1.000000 | 0.999998 | 0.160460 | 0.481380 | 1.604600 |
| Sr 346.446 (97) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | -0.000579 | 0.000575 | 0.000000 | 1.000000 | 0.999993 | 0.467239 | 1.401718 | 4.672392 |
| Sn 189.989 (477) | 9/26/2011 18:43:00 | 9/26/2011 18:43:00 | Linear | 1/Conc | 0.000095 | 0.000080 | 0.000000 | 1.000000 | 1.000000 | 0.040770 | 0.122311 | 0.407702 |
| Y 224.306 (450)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 111.803399 | 0.000000 | 0.000000 |
| Y 320.332 (105)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Y 360.073 (94)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 111.803399 | 0.000000 | 0.000000 |

Sample Name: ICV Acquired: 9/26/2011 18:43:07 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 194.6 | 4697. | 4882. | 200.5 | 202.7 | 197.8 | 5108. | 202.5 | 197.3 | 212.6 | 210.4 |
| Stddev | 1.3 | 33. | 8. | .6 | 1.2 | .6 | 17. | .8 | .6 | 2.8 | 1.3 |
| %RSD | .6614 | .7000 | .1638 | .2853 | .6111 | .3204 | .3413 | .3724 | .2899 | 1.298 | .6086 |
| #1 | 195.9 | 4730. | 4891. | 200.8 | 201.8 | 197.5 | 5120. | 202.5 | 196.7 | 209.5 | 211.4 |
| #2 | 194.6 | 4697. | 4881. | 200.8 | 204.1 | 198.5 | 5117. | 201.7 | 197.8 | 214.9 | 210.9 |
| #3 | 193.3 | 4664. | 4875. | 199.8 | 202.1 | 197.3 | 5088. | 203.2 | 197.2 | 213.4 | 208.9 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5163. | 5097. | 5035. | 5065. | 213.0 | 4986. | 202.0 | 203.1 | 196.7 | 204.1 | 202.0 |
| Stddev | 5. | 18. | 54. | 45. | .9 | 30. | 1.3 | 1.2 | 2.9 | 3.4 | 1.8 |
| %RSD | .0978 | .3481 | 1.069 | .8919 | .4177 | .6040 | .6452 | .6135 | 1.492 | 1.661 | .8954 |
| #1 | 5164. | 5079. | 5094. | 5014. | 212.0 | 5008. | 200.5 | 201.6 | 194.6 | 202.6 | 203.9 |
| #2 | 5167. | 5115. | 4990. | 5080. | 213.8 | 4998. | 203.0 | 203.8 | 195.6 | 207.9 | 200.4 |
| #3 | 5157. | 5097. | 5020. | 5101. | 213.1 | 4951. | 202.5 | 203.8 | 200.1 | 201.6 | 201.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.4 | 212.3 | 202.2 | 202.8 | 202.8 | 5002. | 5005. | 200.9 | 206.6 |
| Stddev | .3 | 1.9 | 1.0 | .2 | 1.0 | 17. | 25. | .7 | 1.4 |
| %RSD | .1641 | .8775 | .5138 | .0928 | .5076 | .3442 | .5023 | .3500 | .6840 |
| #1 | 202.1 | 210.2 | 201.1 | 202.8 | 203.9 | 4994. | 5032. | 200.1 | 206.5 |
| #2 | 202.3 | 212.9 | 202.4 | 202.9 | 201.9 | 5022. | 4983. | 201.4 | 208.0 |
| #3 | 202.8 | 213.7 | 203.1 | 202.6 | 202.5 | 4990. | 5000. | 201.2 | 205.2 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21096. | 35882. | 18458. |
| Stddev | 244. | 225. | 112. |
| %RSD | 1.1584 | .62749 | .60409 |
| #1 | 20823. | 36134. | 18571. |
| #2 | 21293. | 35809. | 18454. |
| #3 | 21173. | 35702. | 18348. |

Sample Name: ICB Acquired: 9/26/2011 18:47:50 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1303 | -20.44 | -29.15 | 1.937 | .4274 | .3422 | -15.47 | .3544 | .1286 | -5781 | .3258 |
| Stddev | .8525 | 1.03 | 20.62 | 1.204 | .1867 | .1653 | 1.75 | .2242 | .2387 | .2472 | .2662 |
| %RSD | 654.2 | 5.031 | 70.75 | 62.16 | 43.68 | 48.31 | 11.31 | 63.26 | 185.6 | 42.76 | 81.70 |

| | | | | | | | | | | | |
|----|--------|--------|--------|-------|-------|-------|--------|-------|--------|--------|-------|
| #1 | -1.091 | -20.12 | -51.58 | 1.479 | .5199 | .2841 | -17.43 | .5894 | .4031 | -.8548 | .0199 |
| #2 | .5358 | -21.59 | -24.86 | 1.030 | .2125 | .5286 | -14.88 | .3311 | -.0307 | -.5003 | .4525 |
| #3 | .1644 | -19.61 | -11.01 | 3.303 | .5497 | .2137 | -14.08 | .1428 | .0135 | -.3791 | .5051 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -21.50 | -22.03 | 32.40 | -30.59 | .2728 | -126.1 | -.1380 | 1.295 | -3.834 | 3.589 | -1.155 |
| Stddev | .70 | 4.37 | 19.13 | 30.35 | .0762 | 7.9 | .5119 | 1.592 | 2.784 | 2.922 | 2.257 |
| %RSD | 3.257 | 19.82 | 59.05 | 99.22 | 27.92 | 6.230 | 370.9 | 123.0 | 72.62 | 81.40 | 195.4 |

| | | | | | | | | | | | |
|----|--------|--------|-------|--------|-------|--------|--------|--------|--------|-------|--------|
| #1 | -20.86 | -17.04 | 48.92 | -62.24 | .3061 | -117.1 | .4125 | 2.751 | -6.939 | .4091 | -1.972 |
| #2 | -21.41 | -25.17 | 36.83 | -1.737 | .3266 | -130.8 | -.2268 | 1.540 | -1.560 | 4.204 | -2.889 |
| #3 | -22.25 | -23.87 | 11.44 | -27.79 | .1856 | -130.6 | -.5997 | -.4054 | -3.003 | 6.155 | 1.397 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0374 | .8334 | .5613 | .5140 | 2.809 | -5.898 | 4.753 | -.0072 | 1.213 |
| Stddev | .7635 | .1795 | .4520 | .1669 | .436 | 2.709 | 22.37 | .5573 | .533 |
| %RSD | 2042. | 21.54 | 80.53 | 32.47 | 15.52 | 45.92 | 470.6 | 7706. | 43.95 |

| | | | | | | | | | |
|----|--------|-------|-------|-------|-------|--------|--------|--------|-------|
| #1 | .8759 | .7655 | .5534 | .3305 | 3.084 | -8.465 | 15.36 | .4151 | .6518 |
| #2 | -.1462 | 1.037 | 1.017 | .5547 | 3.036 | -6.164 | -20.94 | .2021 | 1.713 |
| #3 | -.6176 | .6977 | .1133 | .6567 | 2.306 | -3.067 | 19.84 | -.6389 | 1.274 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20862. | 35652. | 18412. |
| Stddev | 276. | 209. | 214. |
| %RSD | 1.3252 | .58758 | 1.1596 |

| | | | |
|----|--------|--------|--------|
| #1 | 20615. | 35889. | 18639. |
| #2 | 20812. | 35575. | 18380. |
| #3 | 21160. | 35492. | 18216. |

Sample Name: RL Acquired: 9/26/2011 18:52:39 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.217 | 75.94 | F 67.45 | 9.171 | 102.4 | 3.173 | 481.9 | 2.959 | 19.96 | 3.904 | 11.05 |
| Stddev | .496 | 1.15 | 9.52 | .872 | .4 | .203 | 2.8 | .306 | .24 | .731 | .66 |
| %RSD | 9.516 | 1.520 | 14.11 | 9.506 | .4051 | 6.385 | .5710 | 10.35 | 1.212 | 18.73 | 5.969 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 4.772 | 76.58 | 74.87 | 9.694 | 102.8 | 3.125 | 483.7 | 3.311 | 19.76 | 4.176 | 11.51 |
| #2 | 5.753 | 76.63 | 56.71 | 8.165 | 102.5 | 3.395 | 483.2 | 2.756 | 19.88 | 4.461 | 10.30 |
| #3 | 5.125 | 74.61 | 70.76 | 9.654 | 102.0 | 2.998 | 478.7 | 2.810 | 20.23 | 3.076 | 11.35 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | 100.0 | | | | | | | | |
| Range | | | -30.00% | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 31.13 | F 31.24 | 556.2 | 464.3 | 5.382 | 890.4 | 19.33 | 8.290 | 15.37 | 20.00 | 19.98 |
| Stddev | .48 | 3.39 | 47.0 | 26.7 | .055 | 2.0 | .39 | 2.927 | 4.24 | 4.06 | .74 |
| %RSD | 1.530 | 10.84 | 8.449 | 5.751 | 1.028 | .2224 | 2.028 | 35.31 | 27.57 | 20.30 | 3.712 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 30.71 | 27.72 | 537.4 | 439.5 | 5.367 | 892.6 | 19.45 | 5.688 | 11.18 | 24.45 | 19.81 |
| #2 | 31.65 | 34.48 | 609.7 | 460.8 | 5.444 | 889.0 | 18.89 | 7.722 | 19.65 | 19.09 | 19.35 |
| #3 | 31.03 | 31.51 | 521.5 | 492.6 | 5.337 | 889.5 | 19.64 | 11.46 | 15.29 | 16.48 | 20.80 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | 50.00 | 50.00 | | | | | | | | | |
| Range | -30.00% | -30.00% | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.82 | 17.73 | 10.62 | 10.67 | 12.19 | 491.2 | 486.5 | 10.08 | 10.77 |
| Stddev | .22 | .21 | .24 | .26 | .72 | 2.9 | 11.8 | .33 | .92 |
| %RSD | 1.062 | 1.207 | 2.254 | 2.478 | 5.894 | .5975 | 2.424 | 3.321 | 8.549 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 21.05 | 17.50 | 10.37 | 10.83 | 12.78 | 488.5 | 475.3 | 10.32 | 11.28 |
| #2 | 20.60 | 17.92 | 10.85 | 10.81 | 12.41 | 494.3 | 498.8 | 9.698 | 9.705 |
| #3 | 20.82 | 17.78 | 10.62 | 10.36 | 11.39 | 491.0 | 485.6 | 10.22 | 11.32 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20097. | 35041. | 19055. |
| Stddev | 158. | 117. | 59. |
| %RSD | .78625 | .33420 | .30747 |

| | | | |
|----|--------|--------|--------|
| #1 | 19931. | 34973. | 19074. |
| #2 | 20246. | 34973. | 18989. |
| #3 | 20112. | 35176. | 19101. |

Sample Name: 2RL Acquired: 9/26/2011 18:57:28 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.24 | 172.4 | 167.8 | 16.22 | 205.0 | 6.386 | 988.8 | 5.825 | 39.89 | 9.811 | 21.98 |
| Stddev | .49 | .6 | 29.2 | 1.75 | 1.4 | .093 | 5.3 | .083 | .27 | .404 | .63 |
| %RSD | 4.813 | .3645 | 17.39 | 10.79 | .6800 | 1.453 | .5381 | 1.427 | .6729 | 4.117 | 2.844 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 9.777 | 172.1 | 201.5 | 18.10 | 205.7 | 6.485 | 986.0 | 5.891 | 40.06 | 10.23 | 22.50 |
| #2 | 10.76 | 173.2 | 151.0 | 15.93 | 205.9 | 6.301 | 995.0 | 5.852 | 40.04 | 9.420 | 22.17 |
| #3 | 10.18 | 172.0 | 150.9 | 14.64 | 203.4 | 6.373 | 985.5 | 5.732 | 39.58 | 9.787 | 21.29 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 82.52 | 79.22 | 1038. | 953.7 | 10.66 | 1900. | 39.28 | 15.84 | 36.18 | 42.03 | 39.35 |
| Stddev | 1.25 | 1.52 | 42. | 24.2 | .15 | 1. | .45 | .84 | 1.55 | 2.36 | .78 |
| %RSD | 1.517 | 1.918 | 4.011 | 2.535 | 1.434 | .0344 | 1.157 | 5.321 | 4.278 | 5.625 | 1.991 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 81.17 | 77.47 | 993.7 | 934.8 | 10.48 | 1900. | 39.19 | 15.24 | 34.55 | 44.32 | 38.60 |
| #2 | 83.64 | 80.17 | 1076. | 945.4 | 10.77 | 1900. | 38.88 | 16.80 | 36.37 | 42.17 | 40.16 |
| #3 | 82.77 | 80.03 | 1045. | 981.0 | 10.72 | 1901. | 39.78 | 15.48 | 37.63 | 39.60 | 39.29 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40.70 | 38.66 | 20.76 | 20.77 | 21.16 | 985.0 | 998.3 | 20.13 | 20.35 |
| Stddev | .52 | .46 | .19 | .33 | .84 | 9.0 | 10.2 | .50 | .75 |
| %RSD | 1.275 | 1.179 | .9070 | 1.606 | 3.953 | .9105 | 1.021 | 2.503 | 3.693 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 40.11 | 38.14 | 20.93 | 21.07 | 21.44 | 986.6 | 987.4 | 19.57 | 19.50 |
| #2 | 41.07 | 39.01 | 20.56 | 20.82 | 20.22 | 993.0 | 999.9 | 20.29 | 20.90 |
| #3 | 40.92 | 38.83 | 20.81 | 20.41 | 21.82 | 975.3 | 1008. | 20.54 | 20.66 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20526. | 35585. | 18969. |
| Stddev | 66. | 244. | 134. |
| %RSD | .31987 | .68466 | .70424 |

| | | | |
|----|--------|--------|--------|
| #1 | 20454. | 35697. | 19020. |
| #2 | 20539. | 35306. | 19069. |
| #3 | 20584. | 35753. | 18817. |

Sample Name: IOS Acquired: 9/26/2011 19:02:16 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8039 | 271500. | 287600. | .4889 | -.1367 | .3414 | 285500. | .7240 | -.9841 | .1006 | 5.026 |
| Stddev | .3941 | 4353. | 1872. | 1.881 | .2679 | .1594 | 3770. | .3741 | .3269 | 1.399 | .201 |
| %RSD | 49.02 | 1.604 | .6509 | 384.8 | 196.0 | 46.69 | 1.321 | 51.67 | 33.21 | 1390. | 4.000 |

| | | | | | | | | | | | |
|----|--------|---------|---------|--------|--------|-------|---------|-------|--------|--------|-------|
| #1 | -.8913 | 275600. | 289600. | 2.415 | .1181 | .3303 | 289000. | .4338 | -.6074 | -1.314 | 4.904 |
| #2 | -1.147 | 271900. | 287200. | -1.343 | -.1122 | .5061 | 281500. | 1.146 | -1.152 | 1.483 | 4.916 |
| #3 | -.3734 | 266900. | 286000. | .3951 | -.4160 | .1879 | 286000. | .5920 | -1.193 | .1330 | 5.258 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 221400. | 282000. | 35.59 | 287800. | .0693 | 299600. | -2.372 | -7.811 | -4.319 | -2.707 | 3.564 |
| Stddev | 3345. | 4925. | 56.95 | 621. | .0643 | 4553. | .965 | 5.929 | 4.473 | 3.765 | 2.833 |
| %RSD | 1.511 | 1.746 | 160.0 | .2158 | 92.77 | 1.520 | 40.66 | 75.90 | 103.6 | 139.1 | 79.49 |

| | | | | | | | | | | | |
|----|---------|---------|--------|---------|-------|---------|--------|--------|--------|--------|-------|
| #1 | 225100. | 287400. | -21.63 | 288500. | .0293 | 304800. | -1.559 | -14.42 | -6.783 | .2571 | .3985 |
| #2 | 220300. | 280800. | 92.27 | 287200. | .0351 | 296800. | -3.438 | -6.060 | -7.020 | -6.943 | 4.432 |
| #3 | 218700. | 277800. | 36.13 | 287700. | .1435 | 297100. | -2.120 | -2.956 | .8438 | -1.434 | 5.862 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0757 | -2.283 | -2.377 | 2.031 | -5.875 | -15.51 | -2.126 | .7425 | 3.653 |
| Stddev | .3069 | .154 | .882 | .021 | 2.257 | .14 | 10.70 | .3899 | 1.192 |
| %RSD | 405.7 | 6.742 | 37.13 | 1.055 | 38.42 | .8814 | 503.2 | 52.51 | 32.62 |

| | | | | | | | | | |
|----|--------|--------|--------|-------|--------|--------|--------|-------|-------|
| #1 | .0530 | -2.215 | -1.854 | 2.048 | -5.581 | -15.65 | 7.748 | .3766 | 3.203 |
| #2 | .1460 | -2.175 | -3.395 | 2.007 | -3.779 | -15.49 | -.6362 | .6984 | 5.004 |
| #3 | -.4260 | -2.459 | -1.881 | 2.037 | -8.265 | -15.38 | -13.49 | 1.153 | 2.751 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18339. | 33717. | 19063. |
| Stddev | 38. | 363. | 240. |
| %RSD | .20518 | 1.0774 | 1.2603 |

| | | | |
|----|--------|--------|--------|
| #1 | 18296. | 33316. | 18791. |
| #2 | 18356. | 33808. | 19247. |
| #3 | 18366. | 34025. | 19150. |

Sample Name: PBS-1 B19P32 Acquired: 9/26/2011 19:07:46 Type: QC

Method: PT_MET(v106) Mode: CONC Corr. Factor: 0.098040

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0014 | -.5380 | -.7226 | -.1439 | .0249 | .0135 | -.4895 | -.0280 | .0029 | -.1110 | .0186 |
| Stddev | .0618 | .0896 | .6671 | .2369 | .0063 | .0182 | .3933 | .0159 | .0387 | .0490 | .0260 |
| %RSD | 4397. | 16.65 | 92.32 | 164.7 | 25.39 | 134.3 | 80.34 | 56.90 | 1349. | 44.13 | 139.7 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|
| #1 | .0186 | -.4346 | -1.037 | .0880 | .0278 | .0338 | -.0368 | -.0115 | -.0375 | -.1464 | .0005 |
| #2 | .0528 | -.5914 | -1.174 | -.3854 | .0291 | -.0013 | -.6851 | -.0292 | .0064 | -.1316 | .0070 |
| #3 | -.0672 | -.5881 | .0436 | -.1342 | .0176 | .0081 | -.7466 | -.0433 | .0396 | -.0551 | .0484 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4786 | -.8419 | 9.185 | -1.601 | -.0162 | -.5695 | -.0724 | -.0658 | -.2012 | .1740 | .0462 |
| Stddev | .0750 | .3409 | 4.458 | 1.255 | .0038 | 1.068 | .0370 | .1826 | .2032 | .5288 | .0816 |
| %RSD | 15.67 | 40.49 | 48.53 | 78.40 | 23.27 | 187.5 | 51.06 | 277.7 | 101.0 | 303.9 | 176.6 |

| | | | | | | | | | | | |
|----|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.3975 | -.7225 | 14.03 | -2.635 | -.0162 | .6470 | -.0457 | .0726 | .0185 | .2825 | .1128 |
| #2 | -.4929 | -.5768 | 8.275 | -.2049 | -.0200 | -1.005 | -.1146 | .0029 | -.2396 | .6402 | .0707 |
| #3 | -.5454 | -1.226 | 5.253 | -1.961 | -.0125 | -1.350 | -.0570 | -.2728 | -.3824 | -.4006 | -.0448 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0078 | -.2533 | .0293 | -.0035 | -.0693 | -.3351 | .0095 | -.0534 | .0313 |
| Stddev | .0204 | .0100 | .0499 | .0101 | .1055 | .3728 | 1.546 | .0615 | .0812 |
| %RSD | 262.6 | 3.937 | 170.2 | 290.6 | 152.3 | 111.2 | 16320. | 115.2 | 259.3 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .0128 | -.2620 | .0853 | .0081 | -.1154 | .0159 | 1.116 | -.0220 | .0352 |
| #2 | .0252 | -.2424 | -.0102 | -.0095 | -.1438 | -.7264 | .6698 | -.0139 | .1105 |
| #3 | -.0147 | -.2555 | .0128 | -.0090 | .0514 | -.2949 | -1.758 | -.1242 | -.0518 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|------|------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | None | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20874. | 35736. | 18965. |
| Stddev | 231. | 551. | 160. |
| %RSD | 1.1058 | 1.5408 | .84480 |

| | | | |
|----|--------|--------|--------|
| #1 | 20896. | 35328. | 19062. |
| #2 | 20633. | 35518. | 18780. |
| #3 | 21093. | 36362. | 19053. |

Sample Name: LCSS-1 B19P32 Acquired: 9/26/2011 19:12:34 Type: QC

Method: PT_MET(v106) Mode: CONC Corr. Factor: 0.094340

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.58 | 7639. | 7831. | 103.7 | 312.2 | 90.23 | 6108. | 102.2 | 129.3 | 93.26 | 84.20 |
| Stddev | .38 | 127. | 38. | .7 | 1.6 | .27 | 16. | .2 | .1 | .33 | .46 |
| %RSD | .7431 | 1.662 | .4897 | .6387 | .5191 | .3020 | .2650 | .1567 | .1036 | .3521 | .5497 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 51.93 | 7565. | 7802. | 104.4 | 311.5 | 89.94 | 6100. | 102.4 | 129.5 | 93.64 | 84.71 |
| #2 | 51.64 | 7786. | 7875. | 103.8 | 314.1 | 90.25 | 6127. | 102.1 | 129.2 | 93.11 | 83.80 |
| #3 | 51.17 | 7568. | 7817. | 103.1 | 311.1 | 90.48 | 6097. | 102.1 | 129.2 | 93.04 | 84.09 |

| | | | | | | | | | | | |
|------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11200. | 12550. | 2365. | 2618. | 436.9 | 658.3 | 105.8 | 140.0 | 185.0 | 188.4 | 163.3 |
| Stddev | 75. | 88. | 10. | 12. | 3.2 | 3.1 | .2 | .2 | .6 | .9 | .8 |
| %RSD | .6674 | .6985 | .4141 | .4495 | .7316 | .4766 | .1627 | .1415 | .3001 | .5012 | .5013 |

| | | | | | | | | | | | |
|----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 11220. | 12450. | 2354. | 2606. | 437.1 | 654.7 | 105.9 | 139.8 | 185.3 | 187.9 | 163.7 |
| #2 | 11260. | 12610. | 2368. | 2617. | 440.0 | 660.0 | 105.8 | 140.2 | 185.4 | 189.5 | 163.9 |
| #3 | 11110. | 12590. | 2373. | 2630. | 433.6 | 660.3 | 105.6 | 140.0 | 184.4 | 187.9 | 162.4 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 107.7 | 283.4 | 85.52 | 146.6 | 123.7 | 599.9 | 598.3 | 99.90 | 140.1 |
| Stddev | .4 | .6 | .26 | .7 | .3 | 3.6 | 1.8 | .44 | .2 |
| %RSD | .4094 | .2028 | .3078 | .4872 | .2096 | .5989 | .3086 | .4420 | .1325 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 108.0 | 283.7 | 85.71 | 147.1 | 124.0 | 603.8 | 599.0 | 99.77 | 140.3 |
| #2 | 107.9 | 283.7 | 85.64 | 146.8 | 123.6 | 599.2 | 599.6 | 100.4 | 140.2 |
| #3 | 107.2 | 282.7 | 85.22 | 145.8 | 123.6 | 596.7 | 596.2 | 99.53 | 139.9 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|------|------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | None | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20693. | 36261. | 19996. |
| Stddev | 128. | 60. | 84. |
| %RSD | .61741 | .16644 | .42178 |

| | | | |
|----|--------|--------|--------|
| #1 | 20585. | 36270. | 20015. |
| #2 | 20660. | 36197. | 20069. |
| #3 | 20834. | 36316. | 19904. |

Sample Name: LCSS-2 B19P32 Acquired: 9/26/2011 19:17:31 Type: QC

Method: PT_MET(v106) Mode: CONC Corr. Factor: 0.100000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.76 | 7932. | 8196. | 106.5 | 322.3 | 92.18 | 6460. | 103.3 | 129.8 | 93.07 | 84.30 |
| Stddev | .31 | 58. | 8. | .6 | 1.1 | .20 | 9. | .5 | .2 | .46 | .36 |
| %RSD | .5986 | .7272 | .0970 | .5368 | .3444 | .2195 | .1456 | .4498 | .1500 | .4915 | .4237 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 52.07 | 7997. | 8199. | 106.1 | 323.1 | 91.96 | 6461. | 102.8 | 129.6 | 93.45 | 84.72 |
| #2 | 51.77 | 7887. | 8188. | 107.2 | 321.0 | 92.35 | 6450. | 103.5 | 130.0 | 92.56 | 84.08 |
| #3 | 51.45 | 7912. | 8203. | 106.4 | 322.7 | 92.24 | 6469. | 103.7 | 129.8 | 93.19 | 84.11 |

| | | | | | | | | | | | |
|------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11390. | 12680. | 2459. | 2715. | 442.6 | 680.9 | 105.7 | 138.5 | 196.1 | 191.5 | 168.1 |
| Stddev | 114. | 36. | 2. | 15. | 6.4 | 1.9 | .2 | .3 | .5 | 1.0 | .2 |
| %RSD | 1.005 | .2807 | .0703 | .5538 | 1.450 | .2798 | .1843 | .2134 | .2593 | .5041 | .0924 |

| | | | | | | | | | | | |
|----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 11470. | 12630. | 2458. | 2698. | 447.2 | 678.7 | 105.9 | 138.1 | 195.6 | 191.6 | 168.3 |
| #2 | 11260. | 12690. | 2458. | 2726. | 435.2 | 682.0 | 105.8 | 138.5 | 196.6 | 192.4 | 168.0 |
| #3 | 11430. | 12700. | 2461. | 2723. | 445.3 | 682.1 | 105.5 | 138.7 | 196.2 | 190.4 | 168.2 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 108.3 | 286.0 | 85.21 | 153.1 | 126.4 | 558.5 | 571.4 | 105.5 | 141.5 |
| Stddev | .7 | 1.0 | .12 | .6 | .4 | 5.9 | 1.2 | .3 | .5 |
| %RSD | .6020 | .3522 | .1462 | .3690 | .3038 | 1.050 | .2029 | .3253 | .3733 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 109.0 | 284.8 | 85.31 | 153.7 | 125.9 | 565.1 | 572.3 | 105.8 | 140.9 |
| #2 | 108.0 | 286.2 | 85.24 | 153.0 | 126.6 | 556.4 | 571.8 | 105.5 | 141.8 |
| #3 | 107.8 | 286.8 | 85.07 | 152.6 | 126.5 | 553.9 | 570.1 | 105.2 | 141.9 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|------|------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | None | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20565. | 36060. | 19813. |
| Stddev | 71. | 419. | 145. |
| %RSD | .34439 | 1.1630 | .73003 |

| | | | |
|----|--------|--------|--------|
| #1 | 20555. | 35592. | 19804. |
| #2 | 20640. | 36401. | 19672. |
| #3 | 20499. | 36188. | 19961. |

Sample Name: AN03657 Acquired: 9/26/2011 19:22:28 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.47 | F 106600. | 110600. | 548.3 | 964.0 | 7.351 | 33830. | 7.147 | 88.24 | 717.5 |
| Stddev | .63 | 785. | 635. | 5.0 | 7.3 | .187 | 203. | .153 | .41 | 5.6 |
| %RSD | 3.824 | .7368 | .5741 | .9108 | .7611 | 2.545 | .5988 | 2.145 | .4661 | .7798 |
| #1 | 16.33 | 106300. | 110300. | 554.1 | 962.1 | 7.342 | 33800. | 7.249 | 88.71 | 719.3 |
| #2 | 15.92 | 107400. | 110200. | 545.3 | 957.9 | 7.542 | 33650. | 7.221 | 87.98 | 711.2 |
| #3 | 17.16 | 105900. | 111300. | 545.6 | 972.2 | 7.168 | 34050. | 6.971 | 88.02 | 721.9 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2811. | F 207800. | 250800. | 20930. | 49170. | 3660. | 43720. | 555.5 | 11660. | 15.20 |
| Stddev | 22. | 1585. | 5662. | 41. | 110. | 47. | 155. | 2.4 | 30. | 5.11 |
| %RSD | .7996 | .7630 | 2.257 | .1944 | .2237 | 1.278 | .3555 | .4311 | .2602 | 33.59 |
| #1 | 2809. | 208200. | 246300. | 20910. | 49160. | 3696. | 43550. | 553.5 | 11690. | 13.48 |
| #2 | 2790. | 206000. | 257200. | 20900. | 49290. | 3607. | 43750. | 555.0 | 11660. | 11.18 |
| #3 | 2835. | 209100. | 249100. | 20980. | 49070. | 3677. | 43860. | 558.2 | 11630. | 20.95 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.208 | -.1163 | 269.9 | 3087. | 13.47 | 2265. | 181.4 | 5303. | 5387. | 317.6 |
| Stddev | 1.384 | 2.633 | 3.1 | 2. | .23 | 16. | .6 | 80. | 79. | 1.6 |
| %RSD | 22.29 | 2265. | 1.159 | .0532 | 1.704 | .7010 | .3221 | 1.512 | 1.460 | .5138 |
| #1 | 5.978 | .7486 | 269.6 | 3089. | 13.55 | 2270. | 181.4 | 5291. | 5442. | 316.6 |
| #2 | 4.954 | -3.073 | 267.0 | 3086. | 13.65 | 2247. | 182.0 | 5230. | 5297. | 316.8 |
| #3 | 7.692 | 1.975 | 273.2 | 3086. | 13.21 | 2278. | 180.9 | 5389. | 5422. | 319.5 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 851.1 |
| Stddev | 3.2 |
| %RSD | .3714 |
| #1 | 848.1 |
| #2 | 850.7 |
| #3 | 854.4 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21093. | 37407. | 20577. |
| Stddev | 18. | 86. | 318. |
| %RSD | .08664 | .23115 | 1.5468 |
| #1 | 21102. | 37372. | 20791. |
| #2 | 21072. | 37505. | 20211. |
| #3 | 21105. | 37342. | 20728. |

Sample Name: AN03657MS Acquired: 9/26/2011 19:27:40 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.2 | F 112100. | 115600. | 728.5 | 1150. | 192.4 | 38530. | 178.9 | 265.4 | 892.5 |
| Stddev | 1.2 | 1223. | 692. | 5.9 | 6. | 1.3 | 213. | .6 | 1.0 | 4.5 |
| %RSD | .6071 | 1.091 | .5984 | .8112 | .5193 | .6877 | .5522 | .3162 | .3937 | .5075 |
| #1 | 201.3 | 111700. | 114900. | 723.2 | 1145. | 190.9 | 38400. | 178.8 | 264.3 | 888.0 |
| #2 | 201.8 | 111200. | 116300. | 734.8 | 1156. | 192.9 | 38770. | 179.5 | 266.4 | 892.2 |
| #3 | 203.6 | 113500. | 115600. | 727.4 | 1148. | 193.5 | 38400. | 178.4 | 265.6 | 897.1 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2999. | ^ ***** | 256300. | 25520. | 53340. | 3886. | 48470. | 732.5 | 11660. | 195.6 |
| Stddev | 16. | ---- | 2810. | 166. | 457. | 29. | 375. | 3.0 | 59. | 1.2 |
| %RSD | .5423 | ---- | 1.097 | .6511 | .8575 | .7491 | .7725 | .4152 | .5036 | .6277 |
| #1 | 2984. | 210000. | 254900. | 25340. | 52810. | 3853. | 48040. | 730.9 | 11600. | 194.9 |
| #2 | 2997. | ^ ---- | 254400. | 25650. | 53650. | 3908. | 48720. | 730.6 | 11720. | 195.0 |
| #3 | 3017. | ^ ---- | 259500. | 25590. | 53540. | 3897. | 48660. | 736.0 | 11660. | 197.0 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 182.2 | 177.0 | 449.7 | 3217. | 193.7 | 2421. | 350.3 | 5267. | 5334. | 496.8 |
| Stddev | 3.6 | 1.8 | 3.0 | 7. | .8 | 5. | .3 | 58. | 93. | .8 |
| %RSD | 1.969 | 1.010 | .6606 | .2290 | .3908 | .2117 | .0960 | 1.103 | 1.735 | .1522 |
| #1 | 183.7 | 178.3 | 446.9 | 3209. | 193.8 | 2416. | 350.2 | 5222. | 5235. | 496.0 |
| #2 | 178.1 | 174.9 | 449.4 | 3223. | 194.3 | 2423. | 350.7 | 5247. | 5418. | 497.4 |
| #3 | 184.7 | 177.7 | 452.8 | 3221. | 192.8 | 2425. | 350.0 | 5333. | 5350. | 497.0 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1026. |
| Stddev | 7. |
| %RSD | .7230 |

| | |
|----|-------|
| #1 | 1018. |
| #2 | 1026. |
| #3 | 1033. |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21121. | 37204. | 20242. |
| Stddev | 97. | 266. | 260. |
| %RSD | .45970 | .71411 | 1.2853 |
| #1 | 21173. | 37451. | 20537. |
| #2 | 21181. | 37239. | 20044. |
| #3 | 21009. | 36923. | 20146. |

Sample Name: AN03657SDL Acquired: 9/26/2011 19:32:47 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 5.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.9 | F 111800. | 114400. | 727.8 | 1146. | 190.4 | 38910. | 182.3 | 265.5 | 901.7 |
| Stddev | 1.1 | 1236. | 740. | 9.3 | 7. | 1.7 | 265. | 1.6 | 1.9 | 5.6 |
| %RSD | .5442 | 1.106 | .6463 | 1.283 | .6208 | .8922 | .6799 | .8645 | .7225 | .6163 |
| #1 | 195.8 | 112000. | 114600. | 728.3 | 1147. | 190.8 | 38940. | 180.7 | 264.8 | 904.1 |
| #2 | 196.9 | 112800. | 115100. | 736.8 | 1153. | 191.9 | 39160. | 182.2 | 267.7 | 905.7 |
| #3 | 198.0 | 110400. | 113600. | 718.2 | 1139. | 188.6 | 38640. | 183.9 | 264.1 | 895.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2909. | F 259300. | 264900. | 25720. | 53560. | 3926. | 47320. | 738.0 | 12080. | 179.2 |
| Stddev | 17. | 1027. | 377. | 406. | 214. | 5. | 151. | 1.4 | 44. | 20.3 |
| %RSD | .5826 | .3960 | .1424 | 1.580 | .3994 | .1268 | .3193 | .1937 | .3622 | 11.33 |
| #1 | 2915. | 258800. | 264500. | 25920. | 53370. | 3920. | 47300. | 736.4 | 12080. | 179.3 |
| #2 | 2923. | 258600. | 265000. | 25980. | 53790. | 3928. | 47490. | 738.5 | 12040. | 158.8 |
| #3 | 2890. | 260500. | 265300. | 25250. | 53500. | 3929. | 47190. | 739.1 | 12130. | 199.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 192.0 | 174.4 | 447.3 | 3429. | 191.0 | 2386. | 333.9 | 5792. | 5773. | 499.1 |
| Stddev | 11.7 | 10.1 | 1.5 | 14. | 1.6 | 6. | 3.1 | 23. | 25. | 3.2 |
| %RSD | 6.076 | 5.792 | .3356 | .4067 | .8536 | .2409 | .9342 | .3973 | .4362 | .6324 |
| #1 | 203.9 | 183.5 | 448.1 | 3413. | 190.2 | 2379. | 336.1 | 5799. | 5800. | 496.4 |
| #2 | 191.6 | 163.6 | 445.6 | 3435. | 192.9 | 2389. | 335.3 | 5767. | 5750. | 502.6 |
| #3 | 180.6 | 176.2 | 448.3 | 3439. | 189.9 | 2389. | 330.3 | 5811. | 5768. | 498.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1044. |
| Stddev | 6. |
| %RSD | .6210 |

| | |
|----|-------|
| #1 | 1037. |
| #2 | 1046. |
| #3 | 1050. |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21226. | 36719. | 19359. |
| Stddev | 39. | 66. | 146. |
| %RSD | .18364 | .17915 | .75613 |

| | | | |
|----|--------|--------|--------|
| #1 | 21201. | 36686. | 19237. |
| #2 | 21205. | 36676. | 19521. |
| #3 | 21270. | 36795. | 19320. |

Sample Name: AN03658 Acquired: 9/26/2011 19:37:45 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.74 | F 98390. | 101700. | 478.3 | 928.8 | 4.863 | 33720. | 6.336 | 75.21 | 646.8 |
| Stddev | .48 | 952. | 518. | 2.7 | 4.6 | .257 | 177. | .054 | .49 | 3.5 |
| %RSD | 4.467 | .9673 | .5090 | .5639 | .4908 | 5.289 | .5241 | .8545 | .6521 | .5392 |
| #1 | 10.24 | 97550. | 101200. | 481.4 | 923.7 | 4.710 | 33530. | 6.373 | 75.73 | 647.1 |
| #2 | 10.77 | 98200. | 101900. | 476.5 | 930.6 | 4.718 | 33740. | 6.361 | 75.15 | 643.2 |
| #3 | 11.20 | 99430. | 102200. | 477.0 | 932.3 | 5.160 | 33880. | 6.273 | 74.75 | 650.1 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1737. | F 179000. | 208100. | 19980. | 44720. | 3114. | 46650. | 510.8 | 9532. | 16.56 |
| Stddev | 9. | 2191. | 3790. | 33. | 46. | 26. | 111. | .4 | 26. | 1.35 |
| %RSD | .5242 | 1.224 | 1.821 | .1649 | .1024 | .8237 | .2383 | .0863 | .2740 | 8.122 |
| #1 | 1741. | 176600. | 204000. | 19980. | 44780. | 3085. | 46530. | 510.4 | 9560. | 15.01 |
| #2 | 1727. | 179700. | 211500. | 19940. | 44710. | 3128. | 46670. | 510.9 | 9509. | 17.43 |
| #3 | 1743. | 180800. | 208800. | 20010. | 44690. | 3131. | 46750. | 511.2 | 9526. | 17.23 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.158 | -.3161 | 253.0 | 2112. | 6.868 | 1848. | 156.3 | 3829. | 3886. | 307.3 |
| Stddev | 1.965 | 2.680 | 2.3 | 4. | .208 | 8. | .1 | 19. | 65. | 1.7 |
| %RSD | 31.91 | 847.7 | .9203 | .2086 | 3.024 | .4175 | .0887 | .4948 | 1.661 | .5461 |
| #1 | 7.891 | .2415 | 252.5 | 2117. | 7.087 | 1850. | 156.3 | 3847. | 3959. | 306.1 |
| #2 | 6.559 | 2.041 | 250.9 | 2109. | 6.843 | 1840. | 156.1 | 3809. | 3838. | 306.5 |
| #3 | 4.023 | -3.231 | 255.5 | 2109. | 6.674 | 1855. | 156.4 | 3831. | 3860. | 309.2 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 715.8 |
| Stddev | 3.1 |
| %RSD | .4266 |

| | |
|----|-------|
| #1 | 714.6 |
| #2 | 719.3 |
| #3 | 713.6 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21118. | 37339. | 20163. |
| Stddev | 77. | 286. | 230. |
| %RSD | .36555 | .76530 | 1.1423 |
| #1 | 21079. | 37636. | 20419. |
| #2 | 21069. | 37314. | 19973. |
| #3 | 21207. | 37066. | 20097. |

Sample Name: AN03659 Acquired: 9/26/2011 19:42:58 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.736 | F 100200. | 102600. | 476.2 | 904.8 | 5.004 | 52040. | 5.708 | 76.06 | 617.8 |
| Stddev | .369 | 1199. | 1125. | .7 | 10.4 | .147 | 551. | .260 | .27 | 5.4 |
| %RSD | 3.789 | 1.197 | 1.095 | .1500 | 1.153 | 2.945 | 1.060 | 4.556 | .3608 | .8682 |

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|----|-------|---------|---------|-------|-------|-------|--------|-------|-------|-------|
| #1 | 9.519 | 100600. | 101400. | 476.6 | 893.0 | 5.174 | 51400. | 5.499 | 76.36 | 620.1 |
| #2 | 10.16 | 98850. | 103100. | 475.4 | 908.6 | 4.921 | 52320. | 5.999 | 75.82 | 611.7 |
| #3 | 9.527 | 101200. | 103500. | 476.7 | 912.8 | 4.917 | 52390. | 5.626 | 76.01 | 621.6 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

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|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1682. | F 182800. | 218900. | 19090. | 54420. | 3130. | 35560. | 477.5 | 9463. | 9.214 |
| Stddev | 17. | 2128. | 2615. | 80. | 50. | 43. | 159. | 1.0 | 1. | 1.767 |
| %RSD | 1.012 | 1.164 | 1.195 | .4208 | .0920 | 1.360 | .4463 | .2087 | .0128 | 19.17 |

| | | | | | | | | | | |
|----|-------|---------|---------|--------|--------|-------|--------|-------|-------|-------|
| #1 | 1694. | 182300. | 220000. | 19010. | 54380. | 3081. | 35380. | 477.0 | 9464. | 11.22 |
| #2 | 1662. | 181000. | 215900. | 19080. | 54480. | 3156. | 35650. | 476.7 | 9463. | 8.537 |
| #3 | 1689. | 185200. | 220700. | 19170. | 54410. | 3152. | 35650. | 478.6 | 9462. | 7.886 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.997 | -5415 | 237.6 | 2043. | 6.273 | 1777. | 108.4 | 4022. | 3995. | 280.8 |
| Stddev | 6.014 | .7912 | 2.8 | 5. | .060 | 10. | 1.0 | 33. | 15. | 1.4 |
| %RSD | 100.3 | 146.1 | 1.174 | .2218 | .9596 | .5536 | .9013 | .8319 | .3640 | .4968 |

| | | | | | | | | | | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 12.93 | .3710 | 238.7 | 2038. | 6.329 | 1782. | 109.1 | 3990. | 3978. | 280.1 |
| #2 | 2.186 | -1.037 | 234.4 | 2045. | 6.281 | 1766. | 108.9 | 4021. | 4001. | 279.9 |
| #3 | 2.875 | -.9586 | 239.6 | 2046. | 6.209 | 1784. | 107.3 | 4057. | 4005. | 282.4 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 732.1 |
| Stddev | .7 |
| %RSD | .0945 |

| | |
|----|-------|
| #1 | 732.9 |
| #2 | 731.5 |
| #3 | 732.1 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21055. | 36810. | 19932. |
| Stddev | 80. | 269. | 211. |
| %RSD | .37987 | .73173 | 1.0577 |

| | | | |
|----|--------|--------|--------|
| #1 | 21147. | 36924. | 20170. |
| #2 | 21001. | 37004. | 19855. |
| #3 | 21019. | 36503. | 19771. |

Sample Name: AN03660 Acquired: 9/26/2011 19:48:12 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.789 | F 102900. | 104900. | 453.1 | 884.6 | 4.937 | 33690. | 5.133 | 76.66 | 625.1 |
| Stddev | .386 | 1064. | 154. | 2.6 | 2.3 | .211 | 43. | .156 | .26 | 5.2 |
| %RSD | 4.389 | 1.034 | .1471 | .5796 | .2617 | 4.276 | .1264 | 3.045 | .3372 | .8295 |

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|----|-------|---------|---------|-------|-------|-------|--------|-------|-------|-------|
| #1 | 8.473 | 102000. | 104900. | 450.2 | 883.2 | 5.119 | 33720. | 5.306 | 76.91 | 619.2 |
| #2 | 8.676 | 102600. | 104700. | 453.6 | 883.4 | 4.988 | 33700. | 5.093 | 76.67 | 626.8 |
| #3 | 9.219 | 104100. | 105000. | 455.4 | 887.3 | 4.706 | 33640. | 5.001 | 76.39 | 629.1 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1580. | F 184600. | 214000. | 18840. | 41580. | 3220. | 22950. | 470.6 | 8378. | 11.24 |
| Stddev | 11. | 1843. | 2349. | 16. | 230. | 36. | 19. | 1.5 | 7. | 1.47 |
| %RSD | .6951 | .9981 | 1.098 | .0872 | .5537 | 1.121 | .0847 | .3167 | .0824 | 13.09 |

| | | | | | | | | | | |
|----|-------|---------|---------|--------|--------|-------|--------|-------|-------|-------|
| #1 | 1568. | 182500. | 211300. | 18840. | 41840. | 3180. | 22930. | 469.3 | 8381. | 9.546 |
| #2 | 1583. | 185800. | 215800. | 18830. | 41480. | 3250. | 22950. | 472.3 | 8370. | 12.18 |
| #3 | 1589. | 185600. | 214700. | 18860. | 41410. | 3231. | 22970. | 470.4 | 8383. | 11.99 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5.634 | -.5695 | 259.8 | 2005. | 6.059 | 1831. | 97.99 | 3979. | 3951. | 285.1 |
| Stddev | 2.031 | 2.496 | 3.1 | 2. | .618 | 10. | 1.09 | 11. | 27. | .7 |
| %RSD | 36.04 | 438.2 | 1.202 | .0994 | 10.20 | .5497 | 1.112 | .2682 | .6832 | .2597 |

| | | | | | | | | | | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 4.324 | 1.484 | 256.4 | 2003. | 5.349 | 1820. | 96.86 | 3985. | 3945. | 284.4 |
| #2 | 7.974 | .1549 | 260.4 | 2007. | 6.475 | 1834. | 98.09 | 3967. | 3928. | 285.2 |
| #3 | 4.606 | -3.347 | 262.6 | 2003. | 6.354 | 1840. | 99.03 | 3985. | 3981. | 285.8 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 637.2 |
| Stddev | 4.1 |
| %RSD | .6360 |

| | |
|----|-------|
| #1 | 634.4 |
| #2 | 635.4 |
| #3 | 641.9 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21398. | 37105. | 20146. |
| Stddev | 3. | 464. | 191. |
| %RSD | .01228 | 1.2498 | .94860 |

| | | | |
|----|--------|--------|--------|
| #1 | 21395. | 37635. | 19961. |
| #2 | 21400. | 36901. | 20133. |
| #3 | 21399. | 36778. | 20343. |

Sample Name: AN03661 Acquired: 9/26/2011 19:53:26 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.96 | F 110400. | 114200. | 517.2 | 988.7 | 5.303 | 35450. | 7.049 | 86.82 | 742.8 |
| Stddev | .51 | 1075. | 549. | .4 | 4.2 | .194 | 228. | .438 | .49 | 4.0 |
| %RSD | 4.644 | .9735 | .4804 | .0687 | .4208 | 3.666 | .6419 | 6.215 | .5636 | .5385 |
| #1 | 10.40 | 110400. | 113800. | 517.1 | 985.2 | 5.084 | 35300. | 6.767 | 86.38 | 744.3 |
| #2 | 11.39 | 109400. | 114100. | 517.5 | 987.6 | 5.372 | 35340. | 7.554 | 86.74 | 738.2 |
| #3 | 11.10 | 111500. | 114800. | 516.8 | 993.3 | 5.454 | 35710. | 6.826 | 87.34 | 745.8 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1823. | F 199500. | 237200. | 19080. | 44760. | 3758. | 17760. | 526.7 | 10190. | 12.65 |
| Stddev | 5. | 2558. | 5417. | 93. | 175. | 55. | 77. | 1.4 | 24. | 1.98 |
| %RSD | .2611 | 1.282 | 2.284 | .4882 | .3908 | 1.475 | .4313 | .2666 | .2353 | 15.67 |
| #1 | 1824. | 200200. | 239900. | 19000. | 44630. | 3805. | 17680. | 526.0 | 10180. | 11.65 |
| #2 | 1818. | 196700. | 230900. | 19050. | 44700. | 3697. | 17770. | 525.8 | 10220. | 11.37 |
| #3 | 1827. | 201700. | 240700. | 19180. | 44960. | 3772. | 17830. | 528.3 | 10180. | 14.93 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 8.950 | 1.100 | 291.6 | 2317. | 6.576 | 1867. | 94.57 | 4279. | 4307. | 285.8 |
| Stddev | 4.870 | 2.041 | .8 | 6. | .269 | 7. | 1.46 | 107. | 40. | 1.7 |
| %RSD | 54.41 | 185.6 | .2855 | .2801 | 4.093 | .3789 | 1.549 | 2.494 | .9400 | .5933 |
| #1 | 7.058 | .0474 | 292.3 | 2320. | 6.672 | 1869. | 92.91 | 4396. | 4350. | 285.3 |
| #2 | 5.310 | 3.452 | 290.7 | 2321. | 6.272 | 1859. | 95.16 | 4187. | 4302. | 284.4 |
| #3 | 14.48 | -.2005 | 291.9 | 2310. | 6.783 | 1873. | 95.66 | 4253. | 4269. | 287.6 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 826.1 |
| Stddev | 3.4 |
| %RSD | .4140 |

| | |
|----|-------|
| #1 | 827.7 |
| #2 | 822.2 |
| #3 | 828.5 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21371. | 37101. | 19944. |
| Stddev | 25. | 501. | 232. |
| %RSD | .11688 | 1.3491 | 1.1634 |

| | | | |
|----|--------|--------|--------|
| #1 | 21398. | 36954. | 20140. |
| #2 | 21349. | 37658. | 20005. |
| #3 | 21367. | 36690. | 19688. |

Sample Name: CCV Acquired: 9/26/2011 19:58:40 Type: QC
 Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
 User: RRecto Instrument: ICAP6300 Method: SOP-C-109
 Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.6 | 4756. | 4852. | 194.9 | 200.8 | 194.4 | 5022. | 197.1 | 192.8 | 212.1 | 206.3 |
| Stddev | 1.2 | 18. | 12. | 2.8 | 1.4 | .6 | 19. | .3 | .9 | .9 | .8 |
| %RSD | .5884 | .3853 | .2422 | 1.440 | .7140 | .3270 | .3873 | .1495 | .4670 | .4129 | .3732 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 198.5 | 4759. | 4857. | 195.9 | 201.6 | 195.0 | 5041. | 197.0 | 192.6 | 212.3 | 206.6 |
| #2 | 199.8 | 4773. | 4838. | 191.7 | 199.2 | 194.4 | 5002. | 196.8 | 193.8 | 211.2 | 206.9 |
| #3 | 197.4 | 4737. | 4860. | 197.1 | 201.7 | 193.7 | 5022. | 197.4 | 192.1 | 212.9 | 205.4 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5359. | 5115. | 5061. | 5005. | 216.5 | 4998. | 199.3 | 197.9 | 192.2 | 204.9 | 198.5 |
| Stddev | 22. | 20. | 37. | 56. | .9 | 8. | .4 | 1.5 | 2.1 | 2.6 | 2.0 |
| %RSD | .4068 | .3905 | .7257 | 1.112 | .4322 | .1545 | .2251 | .7605 | 1.097 | 1.250 | 1.032 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5336. | 5106. | 5104. | 4972. | 215.4 | 5007. | 199.8 | 197.6 | 189.8 | 202.4 | 196.2 |
| #2 | 5362. | 5101. | 5042. | 5070. | 216.7 | 4995. | 199.1 | 196.5 | 193.7 | 204.6 | 199.1 |
| #3 | 5380. | 5138. | 5038. | 4975. | 217.3 | 4992. | 199.0 | 199.5 | 193.2 | 207.5 | 200.1 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.8 | 209.9 | 198.4 | 201.8 | 189.8 | 5039. | 4885. | 202.6 | 203.4 |
| Stddev | .3 | .3 | 1.3 | .9 | 1.7 | 9. | 29. | 1.4 | 1.2 |
| %RSD | .1387 | .1366 | .6352 | .4591 | .8870 | .1731 | .5910 | .6916 | .5958 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 203.5 | 209.6 | 197.0 | 202.4 | 191.7 | 5035. | 4917. | 202.3 | 204.2 |
| #2 | 203.8 | 210.1 | 199.5 | 202.3 | 189.3 | 5049. | 4875. | 201.4 | 202.0 |
| #3 | 204.0 | 210.0 | 198.6 | 200.8 | 188.4 | 5033. | 4862. | 204.1 | 204.0 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21428. | 35349. | 18383. |
| Stddev | 163. | 33. | 235. |
| %RSD | .76033 | .09426 | 1.2800 |

| | | | |
|----|--------|--------|--------|
| #1 | 21338. | 35320. | 18641. |
| #2 | 21330. | 35386. | 18330. |
| #3 | 21616. | 35342. | 18180. |

Sample Name: CCB Acquired: 9/26/2011 20:03:18 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1234 | -16.63 | -21.91 | -2.873 | -.1222 | .0725 | -18.88 | -.0622 | -.0227 | -.7773 | .2332 |
| Stddev | .2259 | 1.07 | 15.24 | 1.517 | .3407 | .1166 | 4.41 | .1513 | .1327 | .0800 | .1319 |
| %RSD | 183.1 | 6.434 | 69.55 | 52.78 | 278.8 | 160.9 | 23.35 | 243.1 | 583.8 | 10.29 | 56.55 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| #1 | .2053 | -17.82 | -39.51 | -1.978 | .1698 | .1965 | -13.88 | -.2191 | -.0675 | -.7863 | .2730 |
| #2 | .2969 | -16.33 | -13.07 | -2.018 | -.4965 | .0559 | -22.21 | .0827 | -.1273 | -.6932 | .3407 |
| #3 | -.1321 | -15.74 | -13.16 | -4.625 | -.0398 | -.0349 | -20.54 | -.0503 | .1266 | -.8524 | .0860 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -16.16 | -17.96 | -17.31 | -34.71 | -.0217 | -143.4 | .1471 | -1.245 | -4.145 | 1.650 | -2.536 |
| Stddev | 1.02 | 1.25 | 42.71 | 21.72 | .0785 | 10.3 | .3391 | 1.504 | 1.751 | 2.209 | 1.582 |
| %RSD | 6.303 | 6.946 | 246.8 | 62.57 | 361.7 | 7.207 | 230.6 | 120.8 | 422.5 | 133.9 | 62.41 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| #1 | -15.48 | -19.39 | 13.57 | -45.43 | -.0141 | -155.4 | .3402 | .4201 | .9414 | .3350 | -.8360 |
| #2 | -15.67 | -17.38 | .5603 | -48.98 | .0527 | -137.6 | .3456 | -2.506 | -2.392 | 4.201 | -3.966 |
| #3 | -17.34 | -17.11 | -66.05 | -9.717 | -.1037 | -137.4 | -.2445 | -1.650 | .2066 | .4144 | -2.805 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1394 | -.4952 | -.1268 | -.0968 | -.7206 | -7.712 | -4.276 | -.3051 | .8764 |
| Stddev | .3250 | .2086 | .2525 | .3304 | 2.095 | 2.404 | 5.169 | 1.275 | .7403 |
| %RSD | 233.1 | 42.12 | 199.2 | 341.4 | 290.8 | 31.17 | 120.9 | 418.0 | 84.46 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| #1 | .2344 | -.7086 | -.3604 | -.2727 | -1.980 | -7.154 | -9.664 | 1.109 | .1758 |
| #2 | -.3556 | -.2918 | -.1611 | .2844 | -1.880 | -10.35 | .6423 | -.6550 | 1.651 |
| #3 | -.2970 | -.4853 | .1412 | -.3021 | 1.698 | -5.637 | -3.805 | -1.369 | .8027 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21358. | 36188. | 18089. |
| Stddev | 146. | 167. | 271. |
| %RSD | .68343 | .46152 | 1.4998 |

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|----|--------|--------|--------|
| #1 | 21432. | 36029. | 18373. |
| #2 | 21453. | 36362. | 18061. |
| #3 | 21190. | 36172. | 17832. |

Sample Name: AN03662 Acquired: 9/26/2011 20:08:07 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.69 | F 135600. | 141700. | 563.4 | 1087. | 6.740 | 41780. | 5.690 | 101.6 | 809.7 |
| Stddev | .31 | 2758. | 1132. | 7.8 | 9. | .280 | 373. | .422 | .2 | 8.1 |
| %RSD | 2.610 | 2.034 | .7990 | 1.380 | .8283 | 4.158 | .8937 | 7.419 | .1968 | .9960 |
| #1 | 11.63 | 136500. | 140400. | 561.1 | 1077. | 6.546 | 41350. | 5.551 | 101.6 | 811.7 |
| #2 | 11.42 | 132500. | 142500. | 557.1 | 1092. | 7.061 | 42040. | 5.355 | 101.5 | 800.9 |
| #3 | 12.02 | 137800. | 142100. | 572.1 | 1093. | 6.611 | 41940. | 6.164 | 101.9 | 816.6 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2040. | ^ ***** | 281100. | 22360. | 53470. | 4931. | 13570. | 541.2 | 8943. | 15.13 |
| Stddev | 14. | ---- | 7511. | 69. | 83. | 73. | 43. | 1.5 | 37. | 3.55 |
| %RSD | .7063 | ---- | 2.672 | .3093 | .1551 | 1.480 | .3149 | .2842 | .4142 | 23.50 |
| #1 | 2045. | ^ ---- | 276300. | 22340. | 53380. | 4933. | 13520. | 542.4 | 8911. | 17.81 |
| #2 | 2023. | ^ ---- | 289700. | 22300. | 53530. | 4857. | 13590. | 539.5 | 8933. | 16.49 |
| #3 | 2050. | ^ ---- | 277200. | 22440. | 53500. | 5002. | 13610. | 541.8 | 8984. | 11.10 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.823 | -1.582 | 344.8 | 2604. | 7.632 | 2092. | 97.48 | 3891. | 3850. | 325.7 |
| Stddev | 3.440 | .327 | 4.3 | 11. | .183 | 19. | 1.23 | 103. | 50. | 2.7 |
| %RSD | 50.43 | 20.64 | 1.234 | .4340 | 2.403 | .9202 | 1.266 | 2.648 | 1.303 | .8228 |
| #1 | 2.850 | -1.610 | 347.0 | 2594. | 7.505 | 2094. | 97.41 | 3955. | 3792. | 326.4 |
| #2 | 8.858 | -1.894 | 339.9 | 2601. | 7.842 | 2072. | 98.75 | 3772. | 3874. | 322.8 |
| #3 | 8.759 | -1.243 | 347.5 | 2616. | 7.547 | 2111. | 96.28 | 3946. | 3883. | 328.0 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 904.8 |
| Stddev | 3.9 |
| %RSD | .4301 |

| | |
|----|-------|
| #1 | 904.9 |
| #2 | 900.9 |
| #3 | 908.7 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21772. | 37442. | 20149. |
| Stddev | 67. | 621. | 287. |
| %RSD | .30988 | 1.6581 | 1.4267 |

| | | | |
|----|--------|--------|--------|
| #1 | 21849. | 37305. | 20471. |
| #2 | 21743. | 38119. | 20057. |
| #3 | 21724. | 36901. | 19919. |

Sample Name: AN03663 Acquired: 9/26/2011 20:13:15 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.771 | F 127700. | 132400. | 149.4 | 566.5 | 6.193 | 35790. | .2552 | 86.66 | 401.2 |
| Stddev | .366 | 2178. | 493. | 2.3 | 2.3 | .198 | 178. | .0907 | .53 | 1.8 |
| %RSD | 20.66 | 1.706 | .3720 | 1.542 | .4104 | 3.200 | .4966 | 35.54 | .6150 | .4566 |
| #1 | 1.974 | 130200. | 132900. | 146.9 | 569.1 | 6.295 | 35960. | .3595 | 86.21 | 403.3 |
| #2 | 1.990 | 126900. | 132000. | 149.9 | 564.7 | 6.320 | 35610. | .1945 | 86.52 | 400.0 |
| #3 | 1.348 | 126000. | 132200. | 151.4 | 565.8 | 5.965 | 35790. | .2117 | 87.24 | 400.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 512.4 | F 206300. | 239000. | 19860. | 48880. | 3876. | 6855. | 271.8 | 3017. | 7.587 |
| Stddev | 1.3 | 2029. | 2081. | 72. | 181. | 44. | 13. | 1.3 | 29. | 1.930 |
| %RSD | .2532 | .9834 | .8709 | .3626 | .3704 | 1.125 | .1890 | .4776 | .9695 | 25.44 |
| #1 | 512.7 | 208500. | 237400. | 19920. | 49080. | 3922. | 6869. | 271.4 | 3025. | 9.810 |
| #2 | 510.9 | 205900. | 238200. | 19780. | 48730. | 3869. | 6843. | 273.2 | 2985. | 6.619 |
| #3 | 513.4 | 204500. | 241300. | 19890. | 48830. | 3836. | 6854. | 270.7 | 3042. | 6.333 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0745 | -2.694 | 319.8 | 1204. | 5.173 | 1891. | 82.07 | 3849. | 3786. | 240.0 |
| Stddev | 1.757 | 2.921 | .5 | 9. | .263 | 7. | 1.65 | 45. | 39. | 1.4 |
| %RSD | 2360. | 108.4 | .1638 | .7685 | 5.082 | .3744 | 2.015 | 1.170 | 1.035 | .5809 |
| #1 | -.8477 | .3398 | 319.9 | 1205. | 4.872 | 1897. | 82.16 | 3895. | 3812. | 241.4 |
| #2 | -1.030 | -5.487 | 319.2 | 1194. | 5.355 | 1883. | 80.37 | 3846. | 3804. | 238.6 |
| #3 | 2.101 | -2.935 | 320.2 | 1212. | 5.294 | 1894. | 83.67 | 3805. | 3741. | 240.0 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 127.9 |
| Stddev | 1.7 |
| %RSD | 1.303 |
| #1 | 128.8 |
| #2 | 126.0 |
| #3 | 129.0 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21774. | 36969. | 19866. |
| Stddev | 119. | 371. | 179. |
| %RSD | .54654 | 1.0041 | .90316 |
| #1 | 21674. | 36557. | 19795. |
| #2 | 21906. | 37071. | 20070. |
| #3 | 21742. | 37278. | 19734. |

Sample Name: AN03664 Acquired: 9/26/2011 20:18:29 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2401 | F 133500. | 140600. | 110.4 | 490.0 | 6.366 | 49050. | -1.109 | 91.48 | 318.8 |
| Stddev | .3636 | 1212. | 307. | 3.4 | 2.1 | .359 | 88. | .373 | .03 | 1.7 |
| %RSD | 151.5 | .9078 | .2187 | 3.063 | .4336 | 5.645 | .1801 | 33.66 | .0302 | .5484 |

| | | | | | | | | | | |
|----|--------|---------|---------|-------|-------|-------|--------|--------|-------|-------|
| #1 | .2108 | 133500. | 140900. | 110.7 | 492.1 | 6.366 | 49110. | -.6813 | 91.45 | 319.4 |
| #2 | .6174 | 134700. | 140500. | 106.9 | 490.1 | 6.725 | 49090. | -1.368 | 91.51 | 320.2 |
| #3 | -.1080 | 132300. | 140300. | 113.6 | 487.8 | 6.006 | 48950. | -1.278 | 91.49 | 316.9 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 373.4 | ^ ***** | 249700. | 20840. | 51360. | 3909. | 4918. | 255.4 | 4119. | 5.141 |
| Stddev | 1.8 | --- | 2242. | 101. | 51. | 49. | | .8 | 16. | 1.046 |
| %RSD | .4728 | --- | .8980 | .4844 | .0994 | 1.250 | .0095 | .3198 | .3819 | 20.34 |

| | | | | | | | | | | |
|----|-------|--------|---------|--------|--------|-------|-------|-------|-------|-------|
| #1 | 372.2 | ^ ---- | 247600. | 20950. | 51300. | 3959. | 4918. | 256.2 | 4108. | 5.273 |
| #2 | 375.4 | ^ ---- | 252100. | 20800. | 51380. | 3861. | 4919. | 254.6 | 4111. | 4.036 |
| #3 | 372.5 | ^ ---- | 249300. | 20770. | 51400. | 3908. | 4918. | 255.3 | 4137. | 6.115 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.536 | -2.216 | 337.3 | 978.8 | 5.363 | 1946. | 81.51 | 3800. | 3735. | 257.1 |
| Stddev | 3.245 | 2.182 | 1.3 | 4.2 | .158 | 4. | 1.36 | 22. | 59. | 2.3 |
| %RSD | 211.2 | 98.45 | .3932 | .4255 | 2.943 | .1813 | 1.672 | .5833 | 1.585 | .8751 |

| | | | | | | | | | | |
|----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | -4.907 | -2.262 | 338.1 | 977.2 | 5.436 | 1950. | 80.44 | 3808. | 3764. | 259.3 |
| #2 | 1.566 | -4.374 | 338.1 | 975.8 | 5.182 | 1943. | 81.05 | 3817. | 3773. | 257.2 |
| #3 | -1.268 | -.0119 | 335.8 | 983.6 | 5.471 | 1946. | 83.05 | 3775. | 3666. | 254.8 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 83.35 |
| Stddev | 1.06 |
| %RSD | 1.270 |

| | |
|----|-------|
| #1 | 83.80 |
| #2 | 82.14 |
| #3 | 84.12 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21810. | 37496. | 20028. |
| Stddev | 70. | 386. | 293. |
| %RSD | .32127 | 1.0307 | 1.4641 |

| | | | |
|----|--------|--------|--------|
| #1 | 21881. | 37157. | 20336. |
| #2 | 21741. | 37416. | 19996. |
| #3 | 21806. | 37917. | 19752. |

Sample Name: AN03665 Acquired: 9/26/2011 20:23:40 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|------------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4176 | F 101300. | 108300. | 70.78 | 388.6 | 5.447 | 304800. | -4054 | 74.44 | 244.5 |
| Stddev | .3161 | 1518. | 316. | 1.19 | 1.6 | .113 | 3116. | .0897 | .71 | 2.3 |
| %RSD | 75.68 | 1.498 | .2920 | 1.680 | .4127 | 2.081 | 1.022 | 22.13 | .9550 | .9427 |
| #1 | -2726 | 103100. | 108700. | 71.03 | 390.4 | 5.317 | 302000. | -.3031 | 74.61 | 247.0 |
| #2 | -.7802 | 100400. | 108300. | 69.48 | 388.0 | 5.527 | 308100. | -.4423 | 75.04 | 243.9 |
| #3 | -.2001 | 100500. | 108000. | 71.82 | 387.3 | 5.497 | 304400. | -.4707 | 73.66 | 242.5 |
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.7 | F 191200. | 220600. | 16690. | 42720. | 4372. | 5199. | 192.6 | 3414. | 2.511 |
| Stddev | 1.8 | 3625. | 1294. | 79. | 52. | 44. | 30. | .7 | 11. | 1.849 |
| %RSD | .8659 | 1.896 | .5866 | .4745 | .1206 | 1.007 | .5712 | .3600 | .3077 | 73.60 |
| #1 | 204.1 | 194500. | 219300. | 16710. | 42680. | 4422. | 5226. | 193.0 | 3404. | 4.239 |
| #2 | 203.3 | 187300. | 221900. | 16750. | 42780. | 4341. | 5204. | 192.9 | 3425. | 2.733 |
| #3 | 200.8 | 191600. | 220600. | 16600. | 42700. | 4353. | 5167. | 191.8 | 3413. | .5622 |
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.577 | -3.317 | 262.7 | 584.4 | 5.203 | 1841. | 73.87 | 4099. | 4039. | 887.1 |
| Stddev | 3.108 | 1.656 | 2.7 | 1.9 | .019 | 15. | .24 | 105. | 47. | 7.7 |
| %RSD | -120.6 | 49.92 | 1.029 | .3223 | .3595 | .8026 | .3315 | 2.562 | 1.163 | .8708 |
| #1 | 6.161 | -4.021 | 265.7 | 586.3 | 5.182 | 1858. | 73.71 | 4171. | 4075. | 895.9 |
| #2 | .9584 | -4.505 | 262.1 | 584.5 | 5.211 | 1832. | 74.15 | 4146. | 4056. | 883.4 |
| #3 | .6127 | -1.425 | 260.4 | 582.5 | 5.217 | 1833. | 73.74 | 3978. | 3986. | 881.8 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |
| Elem | Sn1899 | | | | | | | | | |
| Units | ppb | | | | | | | | | |
| Avg | 33.83 | | | | | | | | | |
| Stddev | 2.13 | | | | | | | | | |
| %RSD | 6.293 | | | | | | | | | |
| #1 | 34.99 | | | | | | | | | |
| #2 | 31.38 | | | | | | | | | |
| #3 | 35.13 | | | | | | | | | |
| Check ? | Chk Pass | | | | | | | | | |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R | | | | | | | |
| Units | Cts/S | Cts/S | Cts/S | | | | | | | |
| Avg | 21230. | 36578. | 19341. | | | | | | | |
| Stddev | 87. | 350. | 195. | | | | | | | |
| %RSD | .40977 | .95765 | 1.0059 | | | | | | | |
| #1 | 21130. | 36173. | 19546. | | | | | | | |
| #2 | 21291. | 36775. | 19159. | | | | | | | |
| #3 | 21268. | 36785. | 19319. | | | | | | | |

Sample Name: AN03666 Acquired: 9/26/2011 20:29:03 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.109 | 47570. | 48520. | 44.59 | 112.3 | 2.214 | 13130. | -.9843 | 44.01 | 115.0 |
| Stddev | .405 | 116. | 408. | 1.27 | 1.3 | .141 | 137. | .1902 | .67 | .4 |
| %RSD | 36.49 | .2443 | .8399 | 2.857 | 1.175 | 6.362 | 1.040 | 19.33 | 1.524 | .3783 |
| #1 | -1.284 | 47590. | 48110. | 44.99 | 110.8 | 2.323 | 12990. | -.7654 | 44.16 | 115.0 |
| #2 | -1.397 | 47450. | 48930. | 43.16 | 113.2 | 2.263 | 13260. | -1.110 | 44.58 | 115.4 |
| #3 | -.6462 | 47680. | 48500. | 45.61 | 113.0 | 2.055 | 13140. | -1.078 | 43.27 | 114.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 46.08 | F 113800. | 120800. | 8622. | 24030. | 1389. | 12800. | 89.56 | 69.34 | .5465 |
| Stddev | .21 | 1773. | 307. | 82. | 139. | 14. | 31. | 1.27 | 1.76 | 5.296 |
| %RSD | .4457 | 1.559 | .2541 | .9558 | .5772 | 1.035 | .2437 | 1.421 | 2.542 | 969.0 |
| #1 | 46.20 | 111700. | 121000. | 8546. | 23920. | 1382. | 12790. | 89.49 | 70.28 | -4.840 |
| #2 | 46.20 | 114600. | 120900. | 8709. | 24180. | 1405. | 12830. | 90.87 | 70.43 | 5.746 |
| #3 | 45.84 | 114900. | 120400. | 8612. | 23980. | 1379. | 12770. | 88.33 | 67.30 | .7339 |

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit 76500.
Low Limit -500.0

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2352 | -.1404 | 134.7 | 334.1 | 7.679 | 1323. | 50.74 | 2916. | 2837. | 85.36 |
| Stddev | 2.119 | 1.350 | 1.2 | 2.6 | .153 | 8. | .61 | 76. | 27. | .61 |
| %RSD | 900.8 | 961.7 | .8934 | .7916 | 1.992 | .5989 | 1.196 | 2.593 | .9534 | .7118 |
| #1 | 2.482 | 1.041 | 134.1 | 335.4 | 7.819 | 1325. | 51.30 | 2971. | 2864. | 85.18 |
| #2 | -.0480 | .1498 | 136.0 | 335.8 | 7.702 | 1329. | 50.83 | 2948. | 2810. | 86.03 |
| #3 | -1.728 | -1.612 | 133.9 | 331.0 | 7.516 | 1314. | 50.10 | 2830. | 2837. | 84.86 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 2.689 |
| Stddev | 2.121 |
| %RSD | 78.89 |

| | |
|----|-------|
| #1 | 3.054 |
| #2 | .4088 |
| #3 | 4.604 |

Check ? Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21966. | 36449. | 18621. |
| Stddev | 195. | 203. | 112. |
| %RSD | .88564 | .55774 | .60024 |
| #1 | 21892. | 36671. | 18650. |
| #2 | 21819. | 36406. | 18497. |
| #3 | 22187. | 36271. | 18714. |

Sample Name: AN03667 Acquired: 9/26/2011 20:34:01 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7542 | 54130. | 55240. | 36.68 | 146.6 | 5.992 | 9565. | -9187 | 78.92 | 150.8 |
| Stddev | .3122 | 506. | 754. | 6.03 | 1.6 | .105 | 130. | .1735 | .47 | .7 |
| %RSD | 41.40 | .9341 | 1.365 | 16.44 | 1.076 | 1.751 | 1.360 | 18.89 | .5988 | .4584 |
| #1 | -3991 | 54530. | 56080. | 29.92 | 148.4 | 5.873 | 9712. | -1.088 | 78.99 | 150.4 |
| #2 | -8780 | 53560. | 55000. | 41.51 | 146.1 | 6.072 | 9517. | -.9267 | 78.41 | 150.5 |
| #3 | -9856 | 54300. | 54630. | 38.62 | 145.3 | 6.031 | 9465. | -.7414 | 79.35 | 151.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 413.5 | F 132200. | 143000. | 9314. | 26070. | 1454. | 15550. | 184.6 | 446.6 | 2.020 |
| Stddev | 1.2 | 1569. | 525. | 110. | 45. | 4. | 136. | 1.5 | 4.4 | 4.938 |
| %RSD | .2882 | 1.187 | .3672 | 1.181 | .1732 | .3082 | .8742 | .7970 | .9765 | 244.5 |
| #1 | 412.4 | 134000. | 143600. | 9437. | 26100. | 1455. | 15700. | 185.2 | 441.6 | -1.038 |
| #2 | 413.4 | 131500. | 142800. | 9226. | 26100. | 1449. | 15520. | 182.9 | 448.6 | -.6188 |
| #3 | 414.8 | 131100. | 142600. | 9280. | 26020. | 1458. | 15440. | 185.7 | 449.6 | 7.717 |

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit 76500.
Low Limit -500.0

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7194 | -2.794 | 147.2 | 4497. | 24.91 | 1416. | 69.71 | 4177. | 4078. | 88.31 |
| Stddev | 2.803 | 1.091 | .9 | 27. | .34 | 6. | .82 | 90. | 7. | .45 |
| %RSD | 389.6 | 39.04 | .6260 | .6099 | 1.353 | .3916 | 1.178 | 2.144 | .1701 | .5073 |
| #1 | -2.541 | -1.989 | 146.5 | 4489. | 25.29 | 1417. | 69.97 | 4083. | 4073. | 88.81 |
| #2 | 2.508 | -2.357 | 146.9 | 4475. | 24.64 | 1410. | 70.37 | 4187. | 4086. | 88.14 |
| #3 | -2.126 | -4.035 | 148.3 | 4528. | 24.81 | 1421. | 68.79 | 4261. | 4075. | 87.96 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 366.6 |
| Stddev | 4.3 |
| %RSD | 1.162 |
| #1 | 364.2 |
| #2 | 364.0 |
| #3 | 371.5 |

Check ? Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22290. | 36873. | 19001. |
| Stddev | 99. | 284. | 162. |
| %RSD | .44491 | .77027 | .85050 |
| #1 | 22211. | 36958. | 18985. |
| #2 | 22401. | 37106. | 19169. |
| #3 | 22258. | 36557. | 18847. |

Sample Name: AN03668 Acquired: 9/26/2011 20:38:58 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -7842 | 62690. | 65370. | 44.45 | 134.0 | 3.399 | 11200. | -8124 | 53.94 | 155.0 |
| Stddev | .2751 | 371. | 413. | 2.80 | 1.1 | .047 | 84. | .1318 | .21 | .2 |
| %RSD | 35.08 | .5918 | .6322 | 6.289 | .8038 | 1.384 | .7466 | 16.22 | .3980 | .1067 |
| #1 | -4735 | 62790. | 65340. | 47.65 | 134.9 | 3.350 | 11240. | -.7308 | 53.92 | 154.8 |
| #2 | -8821 | 62280. | 65790. | 42.49 | 134.3 | 3.444 | 11270. | -.7419 | 53.73 | 155.1 |
| #3 | -9969 | 63000. | 64970. | 43.20 | 132.8 | 3.403 | 11110. | -.9645 | 54.16 | 155.0 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 67.88 | F 144800. | 158700. | 11230. | 30270. | 1701. | 18100. | 115.5 | 53.57 | -1.861 |
| Stddev | .25 | 190. | 1115. | 67. | 78. | 2. | 33. | .2 | 4.36 | 1.247 |
| %RSD | .3723 | .1314 | .7025 | .6004 | .2592 | .1182 | .1838 | .1624 | 8.142 | 67.00 |
| #1 | 67.96 | 144800. | 157900. | 11170. | 30250. | 1699. | 18080. | 115.3 | 51.41 | -3.286 |
| #2 | 68.08 | 144700. | 158300. | 11230. | 30360. | 1701. | 18080. | 115.7 | 58.59 | -.9727 |
| #3 | 67.59 | 145100. | 160000. | 11300. | 30210. | 1703. | 18140. | 115.6 | 50.72 | -1.323 |

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit 76500.
Low Limit -500.0

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.484 | -1.764 | 179.3 | 370.6 | 28.80 | 1542. | 91.84 | 3714. | 3662. | 112.0 |
| Stddev | 2.443 | .797 | 1.0 | .5 | .46 | 4. | .97 | 32. | 48. | .9 |
| %RSD | 164.6 | 45.19 | .5796 | .1226 | 1.604 | .2706 | 1.057 | .8492 | 1.314 | .8327 |
| #1 | -8234 | -.8434 | 178.6 | 370.6 | 28.27 | 1539. | 90.94 | 3714. | 3628. | 112.5 |
| #2 | 1.232 | -2.212 | 178.8 | 370.2 | 29.11 | 1541. | 91.71 | 3683. | 3717. | 111.0 |
| #3 | 4.043 | -2.235 | 180.5 | 371.1 | 29.03 | 1547. | 92.87 | 3746. | 3642. | 112.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 3.749 |
| Stddev | .415 |
| %RSD | 11.07 |
| #1 | 4.180 |
| #2 | 3.714 |
| #3 | 3.353 |

Check ? Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22543. | 38027. | 19114. |
| Stddev | 21. | 139. | 104. |
| %RSD | .09204 | .36653 | .54429 |
| #1 | 22521. | 38183. | 19034. |
| #2 | 22562. | 37914. | 19231. |
| #3 | 22547. | 37985. | 19075. |

Sample Name: AN03669 Acquired: 9/26/2011 20:43:56 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.025 | F 101300. | 104800. | 73.85 | 214.5 | 4.778 | 14910. | -.4573 | 75.78 | 230.9 |
| Stddev | .518 | 959. | 603. | 2.86 | 1.5 | .258 | 108. | .6022 | .51 | 1.4 |
| %RSD | 50.51 | .9471 | .5752 | 3.877 | .7097 | 5.408 | .7259 | 131.7 | .6758 | .6083 |
| #1 | -5780 | 102300. | 105200. | 71.70 | 215.4 | 4.943 | 14980. | -.3753 | 75.23 | 229.7 |
| #2 | -.9053 | 100500. | 105000. | 77.10 | 215.4 | 4.911 | 14960. | .0997 | 76.24 | 230.5 |
| #3 | -1.593 | 100900. | 104100. | 72.76 | 212.8 | 4.480 | 14780. | -1.096 | 75.87 | 232.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 119.8 | ^ ***** | 233700. | 16240. | 43240. | 2454. | 20860. | 172.0 | 76.33 | 2.584 |
| Stddev | .6 | ---- | 4177. | 19. | 71. | 13. | 74. | .5 | 2.12 | 2.356 |
| %RSD | .5072 | ---- | 1.787 | .1174 | .1647 | .5176 | .3556 | .3092 | 2.776 | 91.18 |
| #1 | 120.3 | 205600. | 230800. | 16260. | 43190. | 2468. | 20940. | 172.5 | 74.85 | 1.774 |
| #2 | 119.2 | 200100. | 231800. | 16220. | 43200. | 2449. | 20840. | 171.4 | 78.76 | 5.238 |
| #3 | 120.0 | ^ ---- | 238500. | 16250. | 43320. | 2444. | 20790. | 172.2 | 75.38 | .7394 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Tl3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.258 | -2.148 | 284.7 | 528.4 | 58.10 | 2178. | 96.07 | 4084. | 3976. | 162.1 |
| Stddev | 3.876 | 1.952 | .8 | .2 | .29 | 10. | 1.27 | 13. | 41. | 1.5 |
| %RSD | 171.7 | 90.91 | .2773 | .0399 | .4929 | .4797 | 1.321 | .3191 | 1.038 | .9536 |
| #1 | 3.864 | -.9146 | 285.6 | 528.5 | 58.22 | 2189. | 95.02 | 4077. | 3957. | 163.4 |
| #2 | 5.074 | -4.399 | 284.1 | 528.5 | 57.78 | 2168. | 97.48 | 4075. | 4023. | 160.4 |
| #3 | -2.163 | -1.129 | 284.3 | 528.1 | 58.31 | 2176. | 95.70 | 4099. | 3947. | 162.5 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 5.816 |
| Stddev | .797 |
| %RSD | 13.70 |

| | |
|----|-------|
| #1 | 4.903 |
| #2 | 6.374 |
| #3 | 6.170 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22480. | 37388. | 19502. |
| Stddev | 47. | 75. | 243. |
| %RSD | .20824 | .19971 | 1.2457 |

| | | | |
|----|--------|--------|--------|
| #1 | 22449. | 37360. | 19753. |
| #2 | 22457. | 37330. | 19486. |
| #3 | 22534. | 37472. | 19268. |

Sample Name: AN03670 Acquired: 9/26/2011 20:49:11 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -8840 | F 69930. | 73600. | 55.29 | 176.3 | 3.531 | 11750. | -2773 | 55.16 | 172.4 |
| Stddev | .4552 | 961. | 982. | 3.97 | 2.4 | .040 | 143. | .1647 | .58 | .6 |
| %RSD | 51.49 | 1.374 | 1.334 | 7.178 | 1.356 | 1.131 | 1.216 | 59.40 | 1.043 | .3617 |

| | | | | | | | | | | |
|----|--------|--------|--------|-------|-------|-------|--------|--------|-------|-------|
| #1 | -.9424 | 70580. | 74700. | 52.64 | 179.0 | 3.498 | 11900. | -.3897 | 54.52 | 171.8 |
| #2 | -1.307 | 70370. | 73300. | 53.38 | 175.2 | 3.520 | 11720. | -.0882 | 55.63 | 173.0 |
| #3 | -.4024 | 68820. | 72810. | 59.86 | 174.6 | 3.575 | 11610. | -.3538 | 55.31 | 172.5 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 82.42 | F 159600. | 177200. | 10870. | 30240. | 1730. | 11440. | 125.7 | 55.99 | .1503 |
| Stddev | .52 | 1035. | 3041. | 34. | 108. | 8. | 78. | .2 | 2.71 | 2.719 |
| %RSD | .6343 | .6484 | 1.716 | .3165 | .3583 | .4355 | .6826 | .1414 | 4.837 | 1810. |

| | | | | | | | | | | |
|----|-------|---------|---------|--------|--------|-------|--------|-------|-------|--------|
| #1 | 83.01 | 160400. | 180100. | 10890. | 30220. | 1738. | 11520. | 125.5 | 58.73 | .6591 |
| #2 | 82.21 | 159900. | 177500. | 10830. | 30140. | 1731. | 11420. | 125.9 | 55.94 | 2.579 |
| #3 | 82.03 | 158400. | 174000. | 10880. | 30350. | 1723. | 11370. | 125.8 | 53.31 | -2.788 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.503 | -2.119 | 209.7 | 394.3 | 59.23 | 1638. | 55.10 | 2964. | 2903. | 109.8 |
| Stddev | 1.972 | 2.615 | 1.9 | 4.3 | .60 | 9. | 1.70 | 18. | 38. | 1.2 |
| %RSD | 78.79 | 123.4 | .8843 | 1.086 | 1.006 | .5468 | 3.089 | .6158 | 1.299 | 1.115 |

| | | | | | | | | | | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | .6402 | -5.087 | 211.7 | 389.7 | 59.61 | 1646. | 54.90 | 2974. | 2923. | 110.8 |
| #2 | 2.300 | -.1532 | 209.0 | 398.1 | 59.54 | 1640. | 56.89 | 2943. | 2925. | 108.4 |
| #3 | 4.568 | -1.116 | 208.2 | 395.2 | 58.54 | 1629. | 53.50 | 2975. | 2859. | 110.0 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 4.659 |
| Stddev | 1.093 |
| %RSD | 23.47 |

| | |
|----|-------|
| #1 | 4.353 |
| #2 | 3.750 |
| #3 | 5.872 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22340. | 37795. | 19073. |
| Stddev | 214. | 229. | 257. |
| %RSD | .95984 | .60709 | 1.3494 |

| | | | |
|----|--------|--------|--------|
| #1 | 22565. | 37552. | 18815. |
| #2 | 22138. | 37825. | 19073. |
| #3 | 22318. | 38007. | 19330. |

Sample Name: AN03671 Acquired: 9/26/2011 20:54:15 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6147 | 38350. | 39040. | 25.71 | 130.4 | 1.093 | 8021. | -1.250 | 29.70 | 101.9 | 39.25 |
| Stddev | .2474 | 222. | 368. | 5.33 | 1.4 | .071 | 72. | .074 | .04 | .6 | .52 |
| %RSD | 40.24 | .5778 | .9413 | 20.75 | 1.108 | 6.474 | .8951 | 5.888 | .1303 | .5819 | 1.320 |

| | | | | | | | | | | | |
|----|-------|--------|--------|-------|-------|-------|-------|--------|-------|-------|-------|
| #1 | -7371 | 38120. | 39450. | 22.30 | 132.0 | 1.102 | 8098. | -1.193 | 29.67 | 102.1 | 38.71 |
| #2 | -3300 | 38560. | 38740. | 22.98 | 129.2 | 1.159 | 7956. | -1.224 | 29.69 | 101.2 | 39.74 |
| #3 | -7771 | 38380. | 38930. | 31.86 | 129.9 | 1.018 | 8009. | -1.333 | 29.74 | 102.3 | 39.30 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|----------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 93370. | 96570. | 5791. | 17500. | 853.6 | 5935. | 64.08 | 41.42 | .9048 | 1.174 | -3.433 |
| Stddev | 1034. | 136. | 64. | 19. | 2.9 | 39. | .39 | 2.25 | 1.994 | 3.497 | 1.300 |
| %RSD | 1.108 | .1408 | 1.096 | .1073 | .3443 | .6530 | .6026 | 5.426 | 220.4 | 297.9 | 37.87 |

| | | | | | | | | | | | |
|----|--------|--------|-------|--------|-------|-------|-------|-------|--------|--------|--------|
| #1 | 92180. | 96720. | 5865. | 17520. | 851.7 | 5966. | 63.69 | 42.82 | 2.229 | 4.372 | -3.791 |
| #2 | 93920. | 96510. | 5757. | 17510. | 857.0 | 5892. | 64.09 | 42.62 | 1.874 | 1.711 | -4.515 |
| #3 | 94020. | 96470. | 5753. | 17480. | 852.1 | 5946. | 64.47 | 38.83 | -1.389 | -2.560 | -1.991 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 76500. | | | | | | | | | | |
| Low Limit | -500.0 | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 110.1 | 229.8 | 27.71 | 1466. | 19.31 | 2955. | 2890. | 55.41 | 3.176 |
| Stddev | .0 | 1.8 | .21 | 5. | .37 | 69. | 26. | .57 | 1.094 |
| %RSD | .0412 | .7779 | .7633 | .3235 | 1.916 | 2.342 | .9145 | 1.037 | 34.46 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 110.1 | 230.9 | 27.95 | 1470. | 19.58 | 3015. | 2893. | 55.07 | 3.786 |
| #2 | 110.0 | 227.7 | 27.54 | 1466. | 19.47 | 2970. | 2915. | 56.07 | 1.913 |
| #3 | 110.1 | 230.7 | 27.65 | 1461. | 18.89 | 2879. | 2863. | 55.08 | 3.829 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22308. | 36523. | 18673. |
| Stddev | 123. | 143. | 434. |
| %RSD | .55060 | .39040 | 2.3243 |

| | | | |
|----|--------|--------|--------|
| #1 | 22242. | 36658. | 18328. |
| #2 | 22450. | 36538. | 19160. |
| #3 | 22232. | 36374. | 18532. |

Sample Name: CCV Acquired: 9/26/2011 20:59:12 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.0 | 4744. | 4881. | 198.3 | 203.1 | 191.8 | 5075. | 201.4 | 193.7 | 217.5 | 206.2 |
| Stddev | .2 | 23. | 29. | 1.9 | 1.3 | .5 | 29. | .9 | .4 | .9 | 1.4 |
| %RSD | .1112 | .4877 | .5951 | .9470 | .6324 | .2613 | .5686 | .4324 | .2221 | .4341 | .6740 |
| #1 | 199.2 | 4767. | 4849. | 199.2 | 201.8 | 191.7 | 5046. | 200.7 | 193.2 | 216.4 | 205.7 |
| #2 | 198.7 | 4721. | 4887. | 199.6 | 204.3 | 191.4 | 5104. | 201.1 | 193.7 | 217.9 | 205.2 |
| #3 | 199.0 | 4746. | 4906. | 196.2 | 203.2 | 192.4 | 5074. | 202.3 | 194.1 | 218.2 | 207.8 |

Check ?
Value
Range
Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5410. | 5062. | 5077. | 5042. | 219.0 | 4997. | 199.6 | 203.3 | 190.4 | 203.9 | 198.1 |
| Stddev | 45. | 14. | 28. | 47. | 1.3 | 9. | 1.2 | 2.7 | 2.6 | 1.9 | 2.5 |
| %RSD | .8409 | .2760 | .5504 | .9283 | .5730 | .1875 | .5965 | 1.310 | 1.381 | .9432 | 1.279 |
| #1 | 5427. | 5075. | 5046. | 4989. | 219.3 | 4986. | 199.2 | 202.1 | 188.9 | 203.3 | 200.9 |
| #2 | 5443. | 5064. | 5101. | 5062. | 220.2 | 5001. | 198.6 | 201.4 | 193.5 | 202.4 | 196.0 |
| #3 | 5358. | 5047. | 5083. | 5076. | 217.7 | 5003. | 200.9 | 206.3 | 188.9 | 206.1 | 197.3 |

Check ?
Value
Range
Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.9 | 217.0 | 197.1 | 202.1 | 189.0 | 5123. | 4947. | 205.7 | 207.6 |
| Stddev | .2 | 1.3 | 1.2 | .2 | .9 | 20. | 49. | 1.0 | .6 |
| %RSD | .1064 | .6034 | .6238 | .0751 | .4680 | .3965 | .9870 | .4664 | .2980 |
| #1 | 207.2 | 216.8 | 196.6 | 202.0 | 189.3 | 5133. | 4893. | 206.5 | 207.9 |
| #2 | 206.9 | 215.7 | 198.5 | 202.2 | 188.1 | 5100. | 4989. | 205.9 | 206.9 |
| #3 | 206.7 | 218.3 | 196.2 | 202.2 | 189.8 | 5136. | 4957. | 204.6 | 208.1 |

Check ?
Value
Range
Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21819. | 35182. | 17403. |
| Stddev | 139. | 415. | 335. |
| %RSD | .63543 | 1.1790 | 1.9273 |
| #1 | 21974. | 35460. | 17775. |
| #2 | 21778. | 34706. | 17310. |
| #3 | 21706. | 35381. | 17124. |

Sample Name: CCB Acquired: 9/26/2011 21:03:51 Type: QC
 Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
 User: RRecto Instrument: ICAP6300 Method: SOP-C-109
 Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3759 | -19.16 | -28.62 | -2.507 | .4037 | .0125 | -21.57 | -1.566 | -.3283 | -.8149 | -.0782 |
| Stddev | 1.427 | .84 | 2.48 | .656 | .2642 | .3245 | 1.22 | .1731 | .2640 | .7457 | .2673 |
| %RSD | 379.6 | 4.399 | 8.680 | 26.18 | 65.45 | 2588. | 5.638 | 110.6 | 80.41 | 91.50 | 341.9 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -.3131 | -18.72 | -31.48 | -1.937 | .6334 | -.2552 | -22.65 | -.0326 | -.0482 | -.8034 | -.3857 |
| #2 | -1.833 | -18.62 | -27.00 | -2.360 | .4627 | -.0806 | -20.25 | -.0827 | -.3641 | -.0751 | .0981 |
| #3 | 1.018 | -20.13 | -27.37 | -3.224 | .1150 | .3734 | -21.82 | -.3544 | -.5725 | -1.566 | .0531 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -18.21 | -22.29 | 25.58 | -41.79 | -.0793 | -144.1 | -.3199 | .4223 | -3.091 | .2456 | -.7247 |
| Stddev | .17 | 9.91 | 64.89 | 21.86 | .0495 | 3.5 | .0738 | 1.032 | 2.570 | 2.862 | .5691 |
| %RSD | .9321 | 44.44 | 253.7 | 52.31 | 62.44 | 2.398 | 23.07 | 244.4 | 83.15 | 1166. | 78.53 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -18.05 | -12.82 | 62.12 | -31.47 | -.1300 | -140.4 | -.3278 | 1.600 | -1.980 | 1.218 | -1.307 |
| #2 | -18.39 | -21.46 | 63.97 | -66.90 | -.0766 | -144.6 | -.2424 | -.0085 | -1.263 | 2.495 | -.1698 |
| #3 | -18.18 | -32.58 | -49.34 | -27.00 | -.0311 | -147.2 | -.3893 | -.3245 | -6.029 | -2.976 | -.6973 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1049 | -.4368 | -.6879 | .1682 | -1.633 | -8.993 | .1786 | .0703 | .9275 |
| Stddev | .4348 | .1916 | .2725 | .1349 | 1.333 | 3.669 | 19.06 | .4888 | .9760 |
| %RSD | 414.4 | 43.87 | 39.62 | 80.20 | 81.63 | 40.80 | 10670. | 695.8 | 105.2 |

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|----|--------|--------|--------|-------|--------|--------|--------|--------|-------|
| #1 | .0989 | -.6535 | -.4673 | .0680 | -3.088 | -7.263 | -17.75 | .1131 | .5695 |
| #2 | .5427 | -.3672 | -.6038 | .1151 | -1.341 | -13.21 | 20.19 | .5362 | 2.032 |
| #3 | -.3268 | -.2897 | -.9926 | .3216 | -.4706 | -6.508 | -1.909 | -.4386 | .1810 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22065. | 36171. | 17918. |
| Stddev | 129. | 133. | 347. |
| %RSD | .58617 | .36786 | 1.9388 |

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|----|--------|--------|--------|
| #1 | 21933. | 36028. | 18185. |
| #2 | 22191. | 36291. | 18045. |
| #3 | 22069. | 36196. | 17526. |

Sample Name: AN03672 Acquired: 9/26/2011 21:08:39 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.569 | 49410. | 51750. | 33.53 | 165.7 | 1.748 | 9375. | -.7274 | 47.26 | 125.0 |
| Stddev | .498 | 412. | 156. | 2.84 | .8 | .151 | 47. | .1852 | .30 | 1.3 |
| %RSD | 31.71 | .8329 | .3015 | 8.467 | .4769 | 8.623 | .4981 | 25.46 | .6344 | 1.052 |

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|----|--------|--------|--------|-------|-------|-------|-------|--------|-------|-------|
| #1 | -2.122 | 49030. | 51640. | 36.54 | 164.9 | 1.593 | 9352. | -.8917 | 47.15 | 124.3 |
| #2 | -1.157 | 49850. | 51690. | 33.15 | 165.6 | 1.894 | 9345. | -.5267 | 47.60 | 124.3 |
| #3 | -1.429 | 49370. | 51930. | 30.90 | 166.5 | 1.757 | 9429. | -.7636 | 47.03 | 126.6 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

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|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.31 | F 115000. | 123200. | 7631. | 23700. | 1119. | 8260. | 93.38 | 38.71 | .4399 |
| Stddev | .56 | 1337. | 516. | 30. | 58. | 6. | 21. | .63 | 1.41 | 3.944 |
| %RSD | 1.137 | 1.163 | .4184 | .3984 | .2460 | .5633 | .2485 | .6765 | 3.650 | 896.4 |

| | | | | | | | | | | |
|----|-------|---------|---------|-------|--------|-------|-------|-------|-------|--------|
| #1 | 49.72 | 115200. | 122600. | 7662. | 23650. | 1119. | 8237. | 93.96 | 39.81 | -.7249 |
| #2 | 48.67 | 116100. | 123500. | 7601. | 23700. | 1126. | 8274. | 93.48 | 39.20 | 4.835 |
| #3 | 49.54 | 113500. | 123500. | 7631. | 23770. | 1113. | 8270. | 92.71 | 37.11 | -2.790 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0888 | -3.028 | 141.5 | 301.9 | 34.27 | 1593. | 29.68 | 2544. | 2543. | 68.30 |
| Stddev | 1.570 | 1.203 | .8 | .8 | .17 | 4. | 1.10 | 55. | 47. | .39 |
| %RSD | 1769. | 39.74 | .5961 | .2493 | .5017 | .2547 | 3.713 | 2.155 | 1.842 | .5732 |

| | | | | | | | | | | |
|----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 1.656 | -2.595 | 142.3 | 302.2 | 34.17 | 1596. | 28.41 | 2607. | 2491. | 67.87 |
| #2 | -1.485 | -4.387 | 140.6 | 302.6 | 34.46 | 1594. | 30.29 | 2505. | 2560. | 68.62 |
| #3 | .0946 | -2.101 | 141.5 | 301.1 | 34.16 | 1588. | 30.35 | 2520. | 2580. | 68.42 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 2.762 |
| Stddev | .805 |
| %RSD | 29.16 |

| | |
|----|-------|
| #1 | 3.508 |
| #2 | 1.908 |
| #3 | 2.870 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22322. | 37419. | 18561. |
| Stddev | 86. | 97. | 42. |
| %RSD | .38447 | .25914 | .22626 |

| | | | |
|----|--------|--------|--------|
| #1 | 22325. | 37425. | 18577. |
| #2 | 22407. | 37319. | 18593. |
| #3 | 22235. | 37513. | 18514. |

Sample Name: AN03673 Acquired: 9/26/2011 21:13:38 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.049 | 37900. | 39110. | 29.14 | 119.7 | 1.558 | 8333. | -1.177 | 32.34 | 93.20 |
| Stddev | .346 | 568. | 111. | .40 | .6 | .231 | 21. | .188 | .29 | 1.00 |
| %RSD | 32.99 | 1.499 | .2841 | 1.371 | .5331 | 14.79 | .2484 | 15.94 | .8865 | 1.068 |
| #1 | -6516 | 37240. | 38980. | 28.78 | 119.1 | 1.622 | 8342. | -1.140 | 32.31 | 92.75 |
| #2 | -1.211 | 38220. | 39150. | 29.57 | 120.4 | 1.750 | 8309. | -1.010 | 32.06 | 92.51 |
| #3 | -1.284 | 38240. | 39200. | 29.07 | 119.5 | 1.303 | 8348. | -1.380 | 32.63 | 94.34 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40.58 | F 101400. | 106000. | 5279. | 17400. | 951.6 | 5922. | 64.16 | 39.02 | -1.890 |
| Stddev | .57 | 919. | 435. | 27. | 69. | 6.0 | 16. | .67 | 1.68 | 2.934 |
| %RSD | 1.400 | .9057 | .4101 | .5136 | .3989 | .6352 | .2735 | 1.038 | 4.300 | 155.2 |
| #1 | 40.38 | 102400. | 105700. | 5272. | 17460. | 950.2 | 5903. | 63.70 | 40.36 | 1.369 |
| #2 | 40.13 | 100700. | 106500. | 5309. | 17330. | 946.4 | 5931. | 63.86 | 39.56 | -2.720 |
| #3 | 41.22 | 101100. | 105800. | 5257. | 17410. | 958.2 | 5932. | 64.92 | 37.14 | -4.319 |

Check ? Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit 76500.
Low Limit -500.0

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.661 | -2.639 | 100.5 | 233.7 | 29.15 | 1368. | 17.08 | 1963. | 2005. | 61.94 |
| Stddev | 1.619 | .936 | 1.6 | .3 | .64 | 8. | 1.77 | 28. | 68. | .85 |
| %RSD | 60.82 | 35.46 | 1.641 | .1448 | 2.192 | .5896 | 10.38 | 1.404 | 3.381 | 1.377 |
| #1 | 1.009 | -3.719 | 100.3 | 234.1 | 29.20 | 1371. | 18.43 | 1993. | 1928. | 62.65 |
| #2 | 4.244 | -2.120 | 98.90 | 233.4 | 29.76 | 1359. | 17.74 | 1959. | 2032. | 62.19 |
| #3 | 2.732 | -2.078 | 102.2 | 233.7 | 28.48 | 1374. | 15.07 | 1938. | 2055. | 60.99 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 2.868 |
| Stddev | .437 |
| %RSD | 15.24 |

| | |
|----|-------|
| #1 | 2.364 |
| #2 | 3.131 |
| #3 | 3.109 |

Check ? Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22043. | 36508. | 18510. |
| Stddev | 46. | 387. | 107. |
| %RSD | .20666 | 1.0588 | .57572 |

| | | | |
|----|--------|--------|--------|
| #1 | 22006. | 36728. | 18590. |
| #2 | 22029. | 36735. | 18550. |
| #3 | 22094. | 36062. | 18389. |

Sample Name: AN03674 Acquired: 9/26/2011 21:18:36 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6094 | 56080. | 58760. | 46.28 | 260.2 | 2.967 | 13860. | -1559 | 50.26 | 177.6 |
| Stddev | .2182 | 1093. | 466. | .73 | 2.1 | .104 | 84. | .1161 | .30 | 1.5 |
| %RSD | 35.81 | 1.949 | .7925 | 1.573 | .8049 | 3.513 | .6042 | 74.45 | .5895 | .8234 |
| #1 | -7605 | 56620. | 58700. | 46.26 | 259.8 | 3.009 | 13850. | -2746 | 50.16 | 176.0 |
| #2 | -3592 | 56790. | 59260. | 47.03 | 262.4 | 2.848 | 13960. | -.0427 | 50.60 | 178.9 |
| #3 | -7084 | 54820. | 58330. | 45.57 | 258.3 | 3.043 | 13790. | -1504 | 50.03 | 177.8 |

| Check ? | High Limit | Low Limit |
|---------|------------|-----------|
| Check ? | Chk Pass | Chk Pass |

| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 77.23 | F 144300. | 159800. | 9032. | 26360. | 1987. | 8791. | 124.1 | 48.74 | -.5025 |
| Stddev | 1.24 | 955. | 698. | 78. | 141. | 8. | 58. | .2 | 3.98 | .0510 |
| %RSD | 1.609 | .6618 | .4369 | .8681 | .5359 | .3850 | .6619 | .1324 | 8.163 | 10.15 |
| #1 | 76.71 | 143200. | 159800. | 9047. | 26320. | 1980. | 8776. | 124.0 | 46.43 | -.5509 |
| #2 | 78.64 | 145100. | 160500. | 9101. | 26520. | 1995. | 8856. | 124.3 | 53.34 | -.5073 |
| #3 | 76.32 | 144500. | 159100. | 8946. | 26240. | 1987. | 8742. | 124.0 | 46.47 | -.4493 |

| Check ? | High Limit | Low Limit |
|---------|------------|------------------------------|
| Check ? | Chk Pass | Chk Fail 76500. -500.0 |

| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.791 | -.8993 | 213.0 | 339.2 | 44.87 | 1871. | 57.22 | 2656. | 2623. | 113.3 |
| Stddev | .959 | 1.388 | 1.9 | .5 | .31 | 7. | .64 | 29. | 29. | .4 |
| %RSD | 53.55 | 154.3 | .9022 | .1543 | .6840 | .3516 | 1.125 | 1.102 | 1.097 | .3743 |
| #1 | .6859 | -1.979 | 211.2 | 339.5 | 45.13 | 1870. | 57.92 | 2640. | 2651. | 112.9 |
| #2 | 2.284 | .6661 | 215.1 | 339.4 | 44.53 | 1878. | 57.10 | 2689. | 2624. | 113.4 |
| #3 | 2.405 | -1.385 | 212.8 | 338.6 | 44.96 | 1865. | 56.65 | 2637. | 2593. | 113.7 |

| Check ? | High Limit | Low Limit |
|---------|------------|-----------|
| Check ? | Chk Pass | Chk Pass |

| Elem | Sn1899 |
|--------|--------|
| Units | ppb |
| Avg | 4.484 |
| Stddev | 1.469 |
| %RSD | 32.77 |

| # | Value |
|----|-------|
| #1 | 4.971 |
| #2 | 5.648 |
| #3 | 2.833 |

| Check ? | High Limit | Low Limit |
|---------|------------|-----------|
| Check ? | Chk Pass | |

| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
|-----------|----------|----------|----------|
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22442. | 38179. | 19474. |
| Stddev | 102. | 307. | 109. |
| %RSD | .45464 | .80530 | .56189 |

| # | Value |
|----|--------|
| #1 | 22442. |
| #2 | 22339. |
| #3 | 22543. |

Sample Name: AN03676 Acquired: 9/26/2011 21:23:34 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.27 | F 188200. | 196900. | 332.7 | 1976. | 173.8 | 166700. | 4.874 | 1536. |
| Stddev | .13 | 2628. | 563. | 1.9 | 11. | .1 | 1971. | .203 | 2. |
| %RSD | .6873 | 1.396 | .2860 | .5838 | .5607 | .0420 | 1.182 | 4.167 | .1497 |

| | | | | | | | | | |
|----|-------|---------|---------|-------|-------|-------|---------|-------|-------|
| #1 | 18.40 | 187200. | 196700. | 333.9 | 1969. | 173.9 | 167600. | 4.726 | 1537. |
| #2 | 18.14 | 191200. | 196500. | 333.7 | 1971. | 173.7 | 168100. | 4.791 | 1539. |
| #3 | 18.27 | 186200. | 197600. | 330.4 | 1989. | 173.9 | 164500. | 5.106 | 1534. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | |
| Low Limit | | -50.00 | | | | | | | |

| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
|--------|--------|--------|---------|------------|---------|---------|--------|---------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2395. | 32450. | ^ ***** | F 1015000. | 28020. | 85120. | 11670. | 65450. | 4988. |
| Stddev | 6. | 332. | ---- | 12460. | 39. | 326. | 82. | 145. | 8. |
| %RSD | .2304 | 1.022 | ---- | 1.228 | .1384 | .3832 | .6988 | .2218 | .1522 |

| | | | | | | | | | |
|----|-------|--------|--------|----------|--------|--------|--------|--------|-------|
| #1 | 2390. | 32370. | ^ ---- | 1015000. | 28060. | 85420. | 11580. | 65590. | 4991. |
| #2 | 2395. | 32820. | ^ ---- | 1027000. | 27990. | 85160. | 11740. | 65450. | 4993. |
| #3 | 2401. | 32170. | ^ ---- | 1002000. | 28010. | 84770. | 11680. | 65300. | 4979. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | 450000. | | | | | |
| Low Limit | | | | -500.0 | | | | | |

| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 30440. | 179.4 | -1.396 | -7.915 | 1045. | F 119700. | 501.2 | 4183. | 1849. |
| Stddev | 145. | 1.2 | 2.966 | 2.108 | 4. | 945. | .7 | 31. | 4. |
| %RSD | .4773 | .6731 | 212.5 | 26.63 | .3605 | .7888 | .1489 | .7307 | .2285 |

| | | | | | | | | | |
|----|--------|-------|--------|--------|-------|---------|-------|-------|-------|
| #1 | 30400. | 180.8 | 1.146 | -10.35 | 1046. | 119000. | 501.7 | 4148. | 1852. |
| #2 | 30610. | 179.1 | -6.800 | -6.574 | 1041. | 120800. | 500.3 | 4202. | 1851. |
| #3 | 30320. | 178.5 | -4.654 | -6.827 | 1049. | 119500. | 501.6 | 4200. | 1844. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | 72000. | | | |
| Low Limit | | | | | | -200.0 | | | |

| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
|--------|---------|---------|--------|--------|
| Units | ppb | ppb | ppb | ppb |
| Avg | 3644. | 3468. | 1408. | 11370. |
| Stddev | 10. | 10. | 3. | 20. |
| %RSD | .2784 | .2913 | .1923 | .1771 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 3637. | 3457. | 1405. | 11360. |
| #2 | 3655. | 3469. | 1410. | 11390. |
| #3 | 3639. | 3477. | 1409. | 11360. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
|-----------|----------|----------|----------|
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21210. | 35384. | 18399. |
| Stddev | 164. | 280. | 116. |
| %RSD | .77166 | .79098 | .62959 |

| | | | |
|----|--------|--------|--------|
| #1 | 21262. | 35574. | 18379. |
| #2 | 21026. | 35063. | 18295. |
| #3 | 21341. | 35515. | 18524. |

Sample Name: PBS-2 B19P32 Acquired: 9/26/2011 21:29:13 Type: QC

Method: PT_MET(v106) Mode: CONC Corr. Factor: 0.098040

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0051 | .3667 | -1.060 | -.2146 | .0636 | .0059 | 1.090 | -.0117 | -.0170 | -.0382 | .3081 |
| Stddev | .0135 | .3325 | .773 | .0486 | .0256 | .0182 | .255 | .0108 | .0035 | .0172 | .0706 |
| %RSD | 264.6 | 90.68 | 72.97 | 22.65 | 40.32 | 311.3 | 23.43 | 92.11 | 20.85 | 44.95 | 22.92 |

| | | | | | | | | | | | |
|----|--------|-------|--------|--------|-------|--------|-------|--------|--------|--------|-------|
| #1 | -.0130 | .7088 | -.1667 | -.1990 | .0515 | .0211 | 1.331 | -.0197 | -.0160 | -.0581 | .3477 |
| #2 | -.0129 | .3468 | -1.510 | -.2691 | .0931 | .0108 | 1.116 | -.0160 | -.0209 | -.0276 | .3501 |
| #3 | .0105 | .0446 | -1.502 | -.1757 | .0463 | -.0144 | .8222 | .0006 | -.0140 | -.0290 | .2266 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 7.889 | F 7.852 | -2.222 | -.7117 | .0847 | -15.18 | .0284 | .3054 | -.3076 | .2844 | -.2293 |
| Stddev | 1.535 | 2.095 | 1.552 | 2.139 | .0129 | 2.27 | .0413 | .2072 | .1628 | .1618 | .2072 |
| %RSD | 19.46 | 26.68 | 69.83 | 300.5 | 15.26 | 14.95 | 145.6 | 67.82 | 52.93 | 56.88 | 90.35 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|--------|--------|-------|--------|-------|--------|
| #1 | 9.315 | 9.940 | -3.671 | -.5243 | .0996 | -15.39 | .0295 | .5361 | -.3230 | .0977 | .0042 |
| #2 | 8.088 | 7.867 | -2.412 | -2.938 | .0762 | -12.81 | .0690 | .2449 | -.1377 | .3726 | -.3912 |
| #3 | 6.265 | 5.750 | -.5845 | 1.327 | .0784 | -17.33 | -.0135 | .1353 | -.4622 | .3828 | -.3010 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 5.000 | 5.000 | | | | | | | | | |
| Low Limit | -5.000 | -5.000 | | | | | | | | | |

| | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--|--|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 | | |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | | |
| Avg | -.0097 | 1.373 | -.0005 | .0329 | -.0035 | -.4775 | -.4685 | -.0012 | .0831 | | |
| Stddev | .0572 | .277 | .0065 | .0085 | .0664 | .1126 | .8034 | .0522 | .0375 | | |
| %RSD | 592.6 | 20.16 | 1238. | 25.73 | 1891. | 23.59 | 171.5 | 4251. | 45.12 | | |

| | | | | | | | | | | | |
|----|--------|-------|--------|-------|--------|--------|--------|--------|-------|--|--|
| #1 | -.0679 | 1.642 | .0070 | .0421 | .0539 | -.5816 | .3960 | .0405 | .1212 | | |
| #2 | .0464 | 1.389 | -.0049 | .0255 | .0119 | -.4931 | -1.192 | -.0598 | .0462 | | |
| #3 | -.0074 | 1.089 | -.0037 | .0310 | -.0763 | -.3579 | -.6094 | .0156 | .0821 | | |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|------|------|----------|----------|--|--|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | None | Chk Pass | Chk Pass | | |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|-----------|----------|----------|----------|--|--|--|--|--|--|--|--|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R | | | | | | | | |
| Units | Cts/S | Cts/S | Cts/S | | | | | | | | |
| Avg | 21489. | 35458. | 17386. | | | | | | | | |
| Stddev | 191. | 746. | 376. | | | | | | | | |
| %RSD | .88652 | 2.1046 | 2.1632 | | | | | | | | |

| | | | | | | | | | | | |
|----|--------|--------|--------|--|--|--|--|--|--|--|--|
| #1 | 21327. | 36314. | 17819. | | | | | | | | |
| #2 | 21699. | 35115. | 17144. | | | | | | | | |
| #3 | 21441. | 34945. | 17194. | | | | | | | | |

Sample Name: LCSS-3 B19P32 Acquired: 9/26/2011 21:34:00 Type: QC

Method: PT_MET(v106) Mode: CONC Corr. Factor: 0.098040

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 49.99 | 7403. | 7678. | 102.7 | 308.4 | 85.82 | 6011. | 101.0 | 125.5 | 93.53 | 80.38 |
| Stddev | .47 | 37. | 75. | .6 | 3.7 | .17 | 52. | .7 | .5 | .62 | .56 |
| %RSD | .9442 | .4962 | .9769 | .5483 | 1.198 | .1991 | .8691 | .6584 | .3930 | .6600 | .6961 |
| #1 | 50.54 | 7445. | 7760. | 102.1 | 312.5 | 85.66 | 6068. | 100.7 | 125.1 | 94.09 | 80.90 |
| #2 | 49.68 | 7376. | 7613. | 103.1 | 305.2 | 85.81 | 5966. | 100.6 | 125.4 | 93.63 | 80.46 |
| #3 | 49.76 | 7389. | 7662. | 103.0 | 307.6 | 86.00 | 5998. | 101.8 | 126.0 | 92.87 | 79.79 |

| | | | | | | | | | | | |
|------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11630. | 12430. | 2353. | 2599. | 433.5 | 643.8 | 102.8 | 138.1 | 179.9 | 185.8 | 160.4 |
| Stddev | 96. | 26. | 5. | 16. | 3.4 | 3.0 | .4 | .8 | .9 | .6 | .6 |
| %RSD | .8279 | .2091 | .2307 | .6009 | .7790 | .4717 | .4036 | .5541 | .4788 | .3320 | .3954 |
| #1 | 11650. | 12410. | 2357. | 2581. | 430.4 | 647.3 | 102.3 | 137.5 | 179.3 | 185.1 | 159.7 |
| #2 | 11520. | 12460. | 2347. | 2608. | 433.1 | 641.8 | 102.8 | 137.7 | 179.4 | 186.3 | 160.9 |
| #3 | 11700. | 12430. | 2355. | 2609. | 437.1 | 642.3 | 103.2 | 138.9 | 180.8 | 186.1 | 160.5 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 107.4 | 288.2 | 82.16 | 143.9 | 119.1 | 716.1 | 705.2 | 101.6 | 139.8 |
| Stddev | .8 | 1.5 | .42 | .5 | 1.0 | 7.6 | 11.3 | .3 | 1.1 |
| %RSD | .7644 | .5045 | .5070 | .3472 | .8786 | 1.056 | 1.599 | .3174 | .8216 |
| #1 | 108.3 | 287.0 | 81.81 | 144.4 | 118.2 | 722.5 | 717.6 | 102.0 | 138.5 |
| #2 | 107.1 | 287.9 | 82.07 | 143.6 | 118.8 | 717.9 | 695.5 | 101.5 | 140.5 |
| #3 | 106.8 | 289.8 | 82.62 | 143.5 | 120.2 | 707.8 | 702.6 | 101.3 | 140.5 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|------|------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | None | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21480. | 36479. | 18762. |
| Stddev | 82. | 297. | 115. |
| %RSD | .38248 | .81502 | .61331 |
| #1 | 21564. | 36218. | 18684. |
| #2 | 21476. | 36418. | 18707. |
| #3 | 21400. | 36803. | 18894. |

Sample Name: LCSS-4 B19P32 Acquired: 9/26/2011 21:38:58 Type: QC

Method: PT_MET(v106) Mode: CONC Corr. Factor: 0.094340

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 52.89 | 7740. | 8066. | 106.5 | 327.4 | 90.56 | 6496. | 106.9 | 131.6 | 98.95 | 84.80 |
| Stddev | .30 | 88. | 40. | .4 | 1.6 | .20 | 47. | .7 | .4 | .26 | .30 |
| %RSD | .5650 | 1.139 | .5008 | .4011 | .4913 | .2226 | .7178 | .6802 | .2811 | .2613 | .3495 |
| #1 | 52.71 | 7695. | 8112. | 106.9 | 329.2 | 90.71 | 6547. | 107.5 | 132.0 | 98.65 | 84.62 |
| #2 | 53.24 | 7684. | 8049. | 106.1 | 327.1 | 90.65 | 6485. | 106.1 | 131.2 | 99.08 | 85.14 |
| #3 | 52.72 | 7842. | 8036. | 106.7 | 326.0 | 90.33 | 6456. | 107.1 | 131.6 | 99.12 | 84.64 |

| | | | | | | | | | | | |
|------------|----------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11820. | 12760. | 2477. | 2834. | 452.0 | 680.9 | 108.9 | 146.8 | 185.4 | 194.1 | 168.6 |
| Stddev | 60. | 16. | 12. | 3. | 5.4 | .6 | .3 | .9 | 1.4 | .5 | .3 |
| %RSD | .5113 | .1238 | .4789 | .0995 | 1.196 | .0917 | .2319 | .6067 | .7292 | .2561 | .1983 |
| #1 | 11760. | 12740. | 2490. | 2837. | 445.8 | 681.6 | 108.7 | 147.5 | 186.9 | 193.6 | 168.2 |
| #2 | 11880. | 12770. | 2466. | 2833. | 454.4 | 680.4 | 109.2 | 145.8 | 184.3 | 194.6 | 168.8 |
| #3 | 11820. | 12760. | 2475. | 2832. | 455.8 | 680.8 | 108.8 | 147.0 | 184.9 | 194.2 | 168.9 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 112.0 | 302.7 | 85.22 | 134.5 | 121.2 | 706.2 | 695.0 | 105.6 | 145.5 |
| Stddev | .4 | 1.2 | .12 | .4 | .3 | 3.8 | 5.0 | .1 | .1 |
| %RSD | .3347 | .3808 | .1413 | .3301 | .2468 | .5403 | .7169 | .0609 | .0988 |
| #1 | 111.6 | 304.0 | 85.25 | 134.4 | 121.4 | 701.8 | 700.5 | 105.5 | 145.6 |
| #2 | 112.4 | 301.8 | 85.32 | 135.0 | 120.8 | 708.1 | 691.0 | 105.6 | 145.4 |
| #3 | 112.0 | 302.4 | 85.09 | 134.2 | 121.3 | 708.7 | 693.4 | 105.6 | 145.4 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|------|------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | None | None | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21329. | 35817. | 18254. |
| Stddev | 152. | 167. | 207. |
| %RSD | .71399 | .46699 | 1.1342 |
| #1 | 21194. | 35939. | 18020. |
| #2 | 21300. | 35885. | 18413. |
| #3 | 21495. | 35626. | 18330. |

Sample Name: AN03675 Acquired: 9/26/2011 21:43:54 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.59 | F 218700. | 236300. | 222.3 | 2362. | 277.3 | 219500. | 75.60 | 1791. |
| Stddev | 1.04 | 5251. | 1955. | 6.2 | 15. | .8 | 6019. | 1.85 | 2. |
| %RSD | 4.623 | 2.401 | .8273 | 2.784 | .6377 | .2721 | 2.742 | 2.447 | .1379 |
| #1 | 23.52 | 220800. | 238500. | 227.1 | 2379. | 278.1 | 226300. | 73.48 | 1788. |
| #2 | 22.79 | 212700. | 235700. | 224.6 | 2360. | 277.2 | 214900. | 76.87 | 1793. |
| #3 | 21.46 | 222500. | 234700. | 215.3 | 2349. | 276.6 | 217300. | 76.46 | 1791. |

| Check ? | High Limit | Low Limit |
|------------|------------|-----------|
| Check ? | Chk Pass | Chk Fail |
| High Limit | | 65250. |
| Low Limit | | -50.00 |

| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
|--------|--------|--------|---------|------------|---------|---------|--------|---------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3451. | 37240. | ^ ***** | F 1321000. | 30940. | 115000. | 13170. | 74980. | 12880. |
| Stddev | 38. | 341. | --- | 33320. | 57. | 496. | 279. | 404. | 2. |
| %RSD | 1.087 | .9147 | --- | 2.523 | .1831 | .4313 | 2.117 | .5394 | .0132 |
| #1 | 3485. | 37380. | ^ --- | 1359000. | 31010. | 115500. | 13230. | 75420. | 12880. |
| #2 | 3411. | 36850. | ^ ---- | 1302000. | 30900. | 114500. | 12860. | 74910. | 12880. |
| #3 | 3457. | 37480. | ^ ---- | 1301000. | 30920. | 114900. | 13410. | 74620. | 12870. |

| Check ? | High Limit | Low Limit |
|------------|------------|-----------|
| Check ? | Chk Pass | Chk Pass |
| High Limit | | Chk Fail |
| Low Limit | | 450000. |
| | | -500.0 |

| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 44140. | 25.40 | 5.727 | -5.406 | 14330. | F 126300. | 637.3 | 7484. | 2129. |
| Stddev | 174. | 3.82 | 3.102 | 2.617 | 181. | 1271. | 1.4 | 85. | 9. |
| %RSD | .3930 | 15.02 | 54.16 | 48.40 | 1.264 | 1.006 | .2241 | 1.138 | .4033 |
| #1 | 43940. | 24.82 | 4.175 | -7.628 | 14430. | 124900. | 638.2 | 7536. | 2122. |
| #2 | 44280. | 29.48 | 9.298 | -2.522 | 14120. | 126700. | 638.0 | 7385. | 2138. |
| #3 | 44190. | 21.92 | 3.707 | -6.069 | 14430. | 127400. | 635.6 | 7529. | 2126. |

| Check ? | High Limit | Low Limit |
|------------|------------|-----------|
| Check ? | Chk Pass | Chk Pass |
| High Limit | | Chk Fail |
| Low Limit | | 72000. |
| | | -200.0 |

| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
|--------|---------|---------|--------|--------|
| Units | ppb | ppb | ppb | ppb |
| Avg | 7224. | 7052. | 1873. | 11390. |
| Stddev | 99. | 44. | 8. | 2. |
| %RSD | 1.366 | .6274 | .4398 | .0158 |
| #1 | 7334. | 7086. | 1880. | 11390. |
| #2 | 7143. | 7069. | 1864. | 11390. |
| #3 | 7194. | 7002. | 1874. | 11390. |

| Check ? | High Limit | Low Limit |
|------------|------------|-----------|
| Check ? | Chk Pass | Chk Pass |
| High Limit | | Chk Pass |
| Low Limit | | Chk Pass |

| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
|-----------|----------|----------|----------|
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20313. | 35269. | 17982. |
| Stddev | 106. | 434. | 271. |
| %RSD | .52301 | 1.2319 | 1.5052 |
| #1 | 20428. | 34828. | 17669. |
| #2 | 20292. | 35697. | 18138. |
| #3 | 20219. | 35284. | 18138. |

Sample Name: AN03675 MS Acquired: 9/26/2011 21:49:42 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 219.3 | F 222700. | 238600. | 412.2 | 2486. | 453.8 | 219700. | 247.8 | 1942. |
| Stddev | .7 | 2279. | 1067. | 8.8 | 12. | 1.1 | 4522. | 2.5 | 4. |
| %RSD | .3202 | 1.023 | .4474 | 2.132 | .4745 | .2338 | 2.058 | .9918 | .2220 |

| | | | | | | | | | |
|----|-------|---------|---------|-------|-------|-------|---------|-------|-------|
| #1 | 218.5 | 225200. | 237500. | 420.9 | 2473. | 453.8 | 224800. | 250.3 | 1946. |
| #2 | 219.6 | 220700. | 239700. | 412.5 | 2496. | 454.9 | 216300. | 247.7 | 1943. |
| #3 | 219.9 | 222300. | 238600. | 403.3 | 2490. | 452.8 | 217900. | 245.4 | 1938. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | |
| Low Limit | | -50.00 | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|------------|---------|---------|--------|---------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3584. | 37760. | ^ ***** | F 1304000. | 35460. | 117900. | 13270. | 79290. | 12790. |
| Stddev | 9. | 718. | --- | 6853. | 84. | 422. | 154. | 160. | 17. |
| %RSD | .2405 | 1.902 | --- | .5254 | .2370 | .3577 | 1.163 | .2012 | .1295 |

| | | | | | | | | | |
|----|-------|--------|--------|----------|--------|---------|--------|--------|--------|
| #1 | 3592. | 38320. | ^ ---- | 1311000. | 35420. | 118300. | 13150. | 79110. | 12770. |
| #2 | 3575. | 38010. | ^ ---- | 1297000. | 35550. | 118000. | 13210. | 79380. | 12800. |
| #3 | 3584. | 36950. | ^ ---- | 1304000. | 35400. | 117500. | 13440. | 79390. | 12810. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | 450000. | | | | | |
| Low Limit | | | | -500.0 | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 43650. | 210.6 | 184.4 | 166.6 | 14270. | F 125000. | 812.3 | 7215. | 2256. |
| Stddev | 259. | 4.9 | 1.2 | 1.5 | 160. | 680. | 1.7 | 32. | 4. |
| %RSD | .5935 | 2.325 | .6452 | .8859 | 1.121 | .5436 | .2062 | .4437 | .1683 |

| | | | | | | | | | |
|----|--------|-------|-------|-------|--------|---------|-------|-------|-------|
| #1 | 43940. | 212.1 | 183.9 | 165.8 | 14390. | 125800. | 811.1 | 7178. | 2261. |
| #2 | 43580. | 214.6 | 185.7 | 165.8 | 14090. | 124700. | 811.7 | 7234. | 2254. |
| #3 | 43440. | 205.2 | 183.5 | 168.3 | 14340. | 124500. | 814.2 | 7232. | 2254. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | 72000. | | | |
| Low Limit | | | | | | -200.0 | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4661. | 4463. | 2019. | 11580. |
| Stddev | 21. | 68. | 11. | 23. |
| %RSD | .4483 | 1.534 | .5208 | .1972 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 4637. | 4533. | 2016. | 11570. |
| #2 | 4674. | 4459. | 2010. | 11560. |
| #3 | 4672. | 4397. | 2031. | 11600. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20288. | 35127. | 18194. |
| Stddev | 98. | 214. | 65. |
| %RSD | .48426 | .60798 | .35763 |

| | | | |
|----|--------|--------|--------|
| #1 | 20174. | 35105. | 18183. |
| #2 | 20337. | 35351. | 18264. |
| #3 | 20351. | 34925. | 18135. |

Sample Name: AN03675 SDL Acquired: 9/26/2011 21:55:29 Type: Unk
 Method: PT_MET(v106) Mode: CONC Corr. Factor: 5.000000
 User: RRecto Instrument: ICAP6300 Method: SOP-C-109
 Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 218.5 | F 233200. | 239500. | 405.1 | 2524. | 465.8 | 234500. | 249.1 | 2049. |
| Stddev | 1.3 | 6017. | 2345. | 16.1 | 23. | 2.0 | 1604. | 4.1 | 3. |
| %RSD | .6175 | 2.580 | .9789 | 3.967 | .9252 | .4259 | .6839 | 1.657 | .1350 |
| #1 | 219.5 | 237500. | 241100. | 386.7 | 2539. | 463.8 | 235800. | 248.7 | 2051. |
| #2 | 219.1 | 235700. | 240600. | 412.3 | 2536. | 467.8 | 235000. | 245.2 | 2049. |
| #3 | 217.0 | 226300. | 236800. | 416.2 | 2497. | 465.8 | 232700. | 253.4 | 2046. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | |
| Low Limit | | -50.00 | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|------------|---------|---------|--------|---------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3865. | 37730. | ^ ***** | F 1547000. | 35370. | 125200. | 14770. | 79480. | 13740. |
| Stddev | 29. | 491. | --- | 39350. | 311. | 300. | 221. | 633. | 80. |
| %RSD | .7543 | 1.300 | ---- | 2.543 | .8804 | .2399 | 1.496 | .7968 | .5787 |
| #1 | 3888. | 38210. | ^ ---- | 1539000. | 35270. | 124900. | 14910. | 79770. | 13830. |
| #2 | 3875. | 37750. | ^ ---- | 1590000. | 35110. | 125500. | 14880. | 79910. | 13730. |
| #3 | 3833. | 37230. | ^ ---- | 1513000. | 35710. | 125200. | 14510. | 78750. | 13670. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | 450000. | | | | | |
| Low Limit | | | | -500.0 | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 46310. | 218.2 | 200.7 | 173.4 | 15190. | F 182800. | 832.2 | 7477. | 2325. |
| Stddev | 85. | 18.5 | 22.3 | 11.0 | 240. | 38. | 11.2 | 87. | 11. |
| %RSD | .1837 | 8.472 | 11.10 | 6.362 | 1.582 | .0206 | 1.348 | 1.161 | .4644 |
| #1 | 46320. | 234.3 | 221.3 | 185.6 | 15390. | 182800. | 839.8 | 7557. | 2335. |
| #2 | 46220. | 198.0 | 177.1 | 164.1 | 15250. | 182700. | 837.5 | 7489. | 2314. |
| #3 | 46390. | 222.2 | 203.9 | 170.5 | 14920. | 182800. | 819.3 | 7385. | 2325. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | 72000. | | | |
| Low Limit | | | | | | -200.0 | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5080. | 4699. | 2182. | 12620. |
| Stddev | 90. | 76. | 23. | 56. |
| %RSD | 1.777 | 1.609 | 1.069 | .4466 |
| #1 | 5181. | 4622. | 2199. | 12660. |
| #2 | 5008. | 4701. | 2192. | 12640. |
| #3 | 5051. | 4773. | 2156. | 12550. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21419. | 35228. | 17314. |
| Stddev | 113. | 700. | 287. |
| %RSD | .52946 | 1.9881 | 1.6584 |
| #1 | 21320. | 34834. | 17230. |
| #2 | 21394. | 34814. | 17079. |
| #3 | 21543. | 36037. | 17634. |

Sample Name: CCV Acquired: 9/26/2011 22:00:44 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.5 | 4676. | 4912. | 199.1 | 204.6 | 189.6 | 5142. | 204.5 | 195.1 | 218.8 | 204.1 |
| Stddev | 1.4 | 22. | 42. | 3.4 | .9 | .6 | 23. | .3 | .3 | 1.1 | .5 |
| %RSD | .7234 | .4763 | .8562 | 1.702 | .4404 | .3295 | .4506 | .1697 | .1663 | .4805 | .2204 |
| #1 | 194.9 | 4653. | 4912. | 195.4 | 204.2 | 190.2 | 5146. | 204.7 | 195.5 | 218.2 | 203.6 |
| #2 | 197.3 | 4678. | 4871. | 202.0 | 203.9 | 188.9 | 5117. | 204.1 | 194.9 | 218.2 | 204.4 |
| #3 | 197.4 | 4697. | 4955. | 199.9 | 205.6 | 189.8 | 5163. | 204.6 | 195.0 | 220.0 | 204.4 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5408. | 5054. | 5103. | 5090. | 218.6 | 5027. | 202.2 | 209.5 | 191.8 | 204.6 | 196.3 |
| Stddev | 47. | 18. | 51. | 14. | 1.5 | 17. | 1.4 | 2.1 | .6 | 3.4 | .9 |
| %RSD | .8644 | .3525 | 1.006 | .2753 | .7041 | .3374 | .6793 | .9852 | .3054 | 1.661 | .4823 |
| #1 | 5385. | 5073. | 5049. | 5091. | 217.6 | 5040. | 202.5 | 211.8 | 191.7 | 206.3 | 195.4 |
| #2 | 5461. | 5051. | 5152. | 5103. | 220.3 | 5008. | 203.3 | 208.7 | 192.5 | 206.9 | 197.3 |
| #3 | 5377. | 5038. | 5108. | 5075. | 217.7 | 5033. | 200.7 | 207.9 | 191.3 | 200.7 | 196.3 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 205.6 | 229.5 | 196.2 | 200.3 | 189.4 | 5108. | 5007. | 206.2 | 209.5 |
| Stddev | 1.0 | 2.1 | .4 | .1 | .4 | 27. | 20. | .9 | 2.5 |
| %RSD | .4963 | .9198 | .2260 | .0265 | .2336 | .5211 | .3955 | .4528 | 1.208 |
| #1 | 204.5 | 231.3 | 196.3 | 200.3 | 189.6 | 5081. | 5018. | 205.8 | 210.6 |
| #2 | 205.8 | 230.1 | 196.7 | 200.4 | 189.7 | 5108. | 4985. | 207.2 | 211.3 |
| #3 | 206.5 | 227.2 | 195.8 | 200.3 | 188.9 | 5134. | 5019. | 205.5 | 206.6 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21984. | 35381. | 16696. |
| Stddev | 52. | 176. | 3. |
| %RSD | .23509 | .49781 | .01548 |
| #1 | 21948. | 35213. | 16699. |
| #2 | 22043. | 35564. | 16696. |
| #3 | 21960. | 35365. | 16693. |

Sample Name: CCB Acquired: 9/26/2011 22:05:22 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6937 | -17.65 | -19.92 | -2701 | 5059 | 1965 | -16.12 | -1322 | -2159 | -7407 | 7513 |
| Stddev | .0287 | .36 | 7.92 | 2.417 | .1611 | .0684 | 8.28 | .1398 | .1515 | .0592 | .4270 |
| %RSD | 4.138 | 2.030 | 39.76 | 895.0 | 31.84 | 34.79 | 51.38 | 105.7 | 70.15 | 7.993 | 56.83 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|-------|
| #1 | -7213 | -17.71 | -11.27 | .1370 | .6650 | .2633 | -6.561 | -2215 | -.2645 | -.8085 | .6215 |
| #2 | -.6640 | -17.27 | -26.82 | -2.865 | .5097 | .1267 | -21.20 | -.2040 | -.0461 | -.7146 | .4044 |
| #3 | -.6957 | -17.98 | -21.67 | 1.918 | .3429 | .1996 | -20.59 | .0289 | -.3371 | -.6990 | 1.228 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.915 | -6.865 | -32.05 | -28.77 | .0455 | -174.9 | -.2491 | 1.550 | -.7891 | 3.238 | .6324 |
| Stddev | 1.003 | 6.704 | 43.27 | 14.64 | .0330 | 12.3 | .2592 | 1.685 | 3.103 | .778 | .4982 |
| %RSD | 25.62 | 97.67 | 135.0 | 50.89 | 72.46 | 7.016 | 104.1 | 108.7 | 393.2 | 24.02 | 78.78 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|-------|--------|-------|-------|
| #1 | -3.367 | -1.935 | -26.65 | -30.62 | .0152 | -185.0 | -.4321 | 3.396 | -3.144 | 3.709 | 1.198 |
| #2 | -3.305 | -4.159 | 8.258 | -13.29 | .0406 | -161.2 | -.3627 | .0974 | -1.950 | 2.340 | .4408 |
| #3 | -5.072 | -14.50 | -77.77 | -42.39 | .0806 | -178.3 | .0475 | 1.155 | 2.727 | 3.664 | .2584 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0238 | 3.328 | -.6232 | .0700 | -1.753 | -6.997 | 13.24 | -.0338 | .1596 |
| Stddev | .1438 | .048 | .2098 | .0632 | .965 | 2.484 | 14.31 | 1.049 | .7254 |
| %RSD | 604.2 | 1.440 | 33.67 | 90.25 | 55.07 | 35.50 | 108.1 | 3105. | 454.3 |

| | | | | | | | | | |
|----|--------|-------|--------|-------|--------|--------|-------|--------|--------|
| #1 | -.1566 | 3.346 | -.3877 | .1426 | -2.265 | -4.185 | 5.394 | .7977 | .7209 |
| #2 | -.0437 | 3.364 | -.7900 | .0389 | -.6393 | -8.890 | 4.563 | .3136 | .4175 |
| #3 | .1289 | 3.273 | -.6920 | .0284 | -2.353 | -7.916 | 29.76 | -1.213 | -.6594 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22243. | 35738. | 16749. |
| Stddev | 119. | 618. | 236. |
| %RSD | .53626 | 1.7284 | 1.4101 |

| | | | |
|----|--------|--------|--------|
| #1 | 22146. | 35027. | 16516. |
| #2 | 22206. | 36047. | 16744. |
| #3 | 22376. | 36141. | 16988. |

Sample Name: AN03677 Acquired: 9/26/2011 22:10:10 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.01 | F 108300. | 112000. | 523.5 | 1893. | 34.10 | 43130. | 10.23 | 220.7 | 1434. |
| Stddev | .43 | 919. | 373. | 4.2 | 7. | .31 | 211. | .05 | 1.3 | 10. |
| %RSD | 2.035 | .8483 | .3328 | .8060 | .3628 | .9151 | .4884 | .4669 | .5671 | .7266 |
| #1 | 21.50 | 107500. | 112400. | 523.7 | 1900. | 33.90 | 43370. | 10.28 | 222.1 | 1445. |
| #2 | 20.82 | 108200. | 111700. | 527.6 | 1886. | 33.95 | 43020. | 10.19 | 220.0 | 1433. |
| #3 | 20.71 | 109300. | 111900. | 519.2 | 1894. | 34.46 | 42990. | 10.22 | 219.9 | 1424. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

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|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5386. | ^ ***** | 359200. | 21440. | 54650. | 4198. | 52150. | 652.0 | 31650. | 277.5 |
| Stddev | 36. | --- | 1987. | 21. | 225. | 30. | 66. | 1.7 | 169. | 3.3 |
| %RSD | .6737 | --- | .5530 | .0972 | .4124 | .7071 | .1270 | .2608 | .5323 | 1.174 |
| #1 | 5422. | ^ --- | 361500. | 21430. | 54870. | 4173. | 52170. | 653.8 | 31830. | 275.4 |
| #2 | 5388. | ^ --- | 358500. | 21440. | 54420. | 4192. | 52080. | 650.4 | 31500. | 281.2 |
| #3 | 5349. | ^ --- | 357700. | 21470. | 54660. | 4231. | 52210. | 652.0 | 31610. | 275.8 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.77 | -1.702 | 555.7 | 21080. | 59.89 | 2204. | 244.9 | 6851. | 6601. | 453.3 |
| Stddev | 3.16 | 2.127 | 1.3 | 91. | .49 | 5. | 2.3 | 38. | 37. | .5 |
| %RSD | 29.30 | 125.0 | .2276 | .4334 | .8143 | .2058 | .9270 | .5585 | .5648 | .1141 |
| #1 | 14.41 | -1.113 | 556.8 | 21160. | 59.96 | 2208. | 247.4 | 6893. | 6642. | 453.9 |
| #2 | 9.160 | -4.061 | 556.0 | 20980. | 60.34 | 2199. | 243.0 | 6842. | 6569. | 453.0 |
| #3 | 8.744 | .0691 | 554.4 | 21080. | 59.38 | 2204. | 244.3 | 6818. | 6591. | 452.9 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1848. |
| Stddev | 4. |
| %RSD | .2415 |

| | |
|----|-------|
| #1 | 1853. |
| #2 | 1846. |
| #3 | 1844. |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22255. | 36882. | 18356. |
| Stddev | 88. | 130. | 197. |
| %RSD | .39528 | .35239 | 1.0734 |

| | | | |
|----|--------|--------|--------|
| #1 | 22176. | 36855. | 18133. |
| #2 | 22350. | 37024. | 18431. |
| #3 | 22240. | 36768. | 18505. |

Sample Name: AN03678 Acquired: 9/26/2011 22:15:17 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|------------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.03 | F 82140. | 86180. | 447.5 | 1551. | 34.13 | F 1288000. | 8.256 | 192.3 |
| Stddev | .26 | 1137. | 629. | 5.0 | 8. | .24 | 23520. | .083 | .9 |
| %RSD | 1.175 | 1.384 | .7298 | 1.117 | .5240 | .6938 | 1.827 | 1.008 | .4840 |

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|----|-------|--------|--------|-------|-------|-------|----------|-------|-------|
| #1 | 21.74 | 81000. | 86750. | 452.5 | 1558. | 34.39 | 1315000. | 8.173 | 192.8 |
| #2 | 22.11 | 82150. | 86300. | 447.6 | 1554. | 34.08 | 1272000. | 8.257 | 193.0 |
| #3 | 22.23 | 83280. | 85500. | 442.5 | 1542. | 33.93 | 1277000. | 8.339 | 191.3 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | 900000. | | |
| Low Limit | | -50.00 | | | | | -5000. | | |

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|--------|--------|--------|---------|---------|---------|---------|--------|---------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1333. | 3946. | ^ ***** | 319400. | 16830. | 48760. | 9039. | 51550. | 739.8 |
| Stddev | 4. | 7. | ----- | 4726. | 58. | 194. | 20. | 187. | 4.5 |
| %RSD | .2958 | .1657 | ----- | 1.479 | .3448 | .3971 | .2227 | .3622 | .6138 |

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|----|-------|-------|---------|---------|--------|--------|-------|--------|-------|
| #1 | 1330. | 3940. | ^ ----- | 320900. | 16880. | 48950. | 9062. | 51740. | 736.7 |
| #2 | 1332. | 3945. | ^ ----- | 323300. | 16760. | 48780. | 9026. | 51530. | 745.0 |
| #3 | 1337. | 3953. | ^ ----- | 314200. | 16840. | 48560. | 9029. | 51370. | 737.7 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | F 189400. | 24.90 | 11.73 | -10.40 | 628.0 | 17700. | 57.27 | 1824. | 359.1 |
| Stddev | 570. | .77 | 3.34 | .59 | .7 | 56. | .36 | 3. | 1.8 |
| %RSD | .3009 | 3.108 | 28.49 | 5.644 | .1077 | .3151 | .6202 | .1585 | .4872 |

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|----|---------|-------|-------|--------|-------|--------|-------|-------|-------|
| #1 | 190000. | 24.18 | 9.527 | -9.996 | 628.1 | 17650. | 57.55 | 1827. | 357.4 |
| #2 | 188900. | 24.79 | 10.08 | -10.12 | 627.3 | 17760. | 56.87 | 1823. | 360.9 |
| #3 | 189300. | 25.72 | 15.57 | -11.07 | 628.7 | 17690. | 57.38 | 1822. | 359.0 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | 67500. | | | | | | | | |
| Low Limit | -80.00 | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 5515. | 5317. | 5204. | 1261. |
| Stddev | 30. | 53. | 16. | 6. |
| %RSD | .5415 | .9931 | .2979 | .4429 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 5505. | 5365. | 5221. | 1260. |
| #2 | 5548. | 5324. | 5190. | 1268. |
| #3 | 5491. | 5260. | 5202. | 1257. |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20774. | 34886. | 17579. |
| Stddev | 79. | 41. | 249. |
| %RSD | .38009 | .11856 | 1.4162 |

| | | | |
|----|--------|--------|--------|
| #1 | 20720. | 34840. | 17400. |
| #2 | 20738. | 34920. | 17474. |
| #3 | 20864. | 34899. | 17863. |

Sample Name: AN03679 Acquired: 9/26/2011 22:20:41 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|------------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.15 | F 110000. | 114200. | 629.5 | 1812. | 22.97 | 39920. | 13.20 | 199.2 | 1312. |
| Stddev | .24 | 2066. | 36. | 2.8 | | .09 | 83. | .46 | .5 | 9. |
| %RSD | 1.017 | 1.878 | .0311 | .4407 | .0191 | .3721 | .2069 | 3.521 | .2681 | .7107 |
| #1 | 23.39 | 109900. | 114200. | 626.4 | 1812. | 23.02 | 40000. | 13.31 | 199.6 | 1313. |
| #2 | 23.14 | 108000. | 114200. | 630.1 | 1812. | 22.87 | 39830. | 12.69 | 198.6 | 1302. |
| #3 | 22.92 | 112100. | 114200. | 631.9 | 1812. | 23.02 | 39940. | 13.60 | 199.4 | 1321. |
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4251. | ^ ***** | 333100. | 22910. | 54780. | 3801. | 46390. | 713.1 | 17070. | 33.52 |
| Stddev | 33. | --- | 3589. | 85. | 120. | 78. | 77. | 2.9 | 37. | 1.62 |
| %RSD | .7869 | --- | 1.078 | .3723 | .2187 | 2.058 | .1652 | .4049 | .2178 | 4.824 |
| #1 | 4274. | ^ ---- | 329100. | 22990. | 54910. | 3764. | 46310. | 712.1 | 17080. | 32.05 |
| #2 | 4213. | ^ ---- | 336100. | 22820. | 54670. | 3749. | 46410. | 710.8 | 17030. | 35.25 |
| #3 | 4267. | ^ ---- | 334100. | 22910. | 54760. | 3891. | 46450. | 716.3 | 17100. | 33.26 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.39 | .8670 | 492.2 | 18870. | 54.19 | 2116. | 227.9 | 6977. | 6735. | 449.8 |
| Stddev | 3.44 | 1.069 | 3.6 | 42. | .50 | 13. | 1.5 | 61. | 52. | 2.4 |
| %RSD | 20.98 | 123.3 | .7318 | .2238 | .9143 | .5925 | .6362 | .8754 | .7673 | .5309 |
| #1 | 17.40 | .3479 | 494.3 | 18880. | 53.94 | 2121. | 227.1 | 7045. | 6792. | 451.8 |
| #2 | 12.56 | .1569 | 488.1 | 18820. | 53.87 | 2102. | 227.0 | 6928. | 6722. | 447.1 |
| #3 | 19.21 | 2.096 | 494.3 | 18900. | 54.76 | 2125. | 229.6 | 6958. | 6691. | 450.4 |
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1431. |
| Stddev | 8. |
| %RSD | .5503 |
| #1 | 1432. |
| #2 | 1423. |
| #3 | 1438. |

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|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22462. | 37313. | 18703. |
| Stddev | 51. | 465. | 90. |
| %RSD | .22674 | 1.2472 | .48067 |
| #1 | 22433. | 37566. | 18807. |
| #2 | 22520. | 37598. | 18657. |
| #3 | 22431. | 36776. | 18646. |

Sample Name: AN03680 Acquired: 9/26/2011 22:25:47 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.30 | F 93250. | 97340. | 689.8 | 1716. | 5.222 | 47310. | 12.14 | 83.13 | 1130. | 2977. |
| Stddev | .57 | 1743. | 241. | 8.3 | 10. | .164 | 83. | .32 | .16 | 7. | 21. |
| %RSD | 2.653 | 1.869 | .2479 | 1.207 | .5642 | 3.148 | .1752 | 2.648 | .1904 | .6335 | .6958 |

| | | | | | | | | | | | |
|----|-------|--------|--------|-------|-------|-------|--------|-------|-------|-------|-------|
| #1 | 20.68 | 94720. | 97380. | 684.1 | 1720. | 5.266 | 47320. | 11.77 | 83.30 | 1137. | 2997. |
| #2 | 21.46 | 91320. | 97080. | 685.9 | 1705. | 5.041 | 47380. | 12.36 | 82.99 | 1122. | 2956. |
| #3 | 21.77 | 93710. | 97560. | 699.3 | 1723. | 5.360 | 47220. | 12.29 | 83.09 | 1131. | 2977. |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | ^ ***** | 269400. | 19320. | 48000. | 3228. | 37300. | 567.8 | 19190. | 37.95 | 21.22 | .4417 |
| Stddev | --- | 1893. | 65. | 153. | 23. | 139. | 1.9 | 72. | 3.15 | 1.22 | 2.441 |
| %RSD | --- | .7028 | .3348 | .3196 | .7140 | .3716 | .3389 | .3763 | 8.291 | 5.762 | 552.6 |

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|----|--------|---------|--------|--------|-------|--------|-------|--------|-------|-------|--------|
| #1 | ^ ---- | 270900. | 19320. | 48170. | 3252. | 37340. | 570.0 | 19220. | 41.07 | 21.71 | -1.238 |
| #2 | ^ ---- | 267300. | 19380. | 47940. | 3206. | 37140. | 566.7 | 19100. | 34.78 | 19.83 | -.6783 |
| #3 | ^ ---- | 269900. | 19250. | 47880. | 3226. | 37400. | 566.7 | 19230. | 38.02 | 22.13 | 3.241 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 532.9 | 6074. | 15.56 | 1986. | 127.9 | 4361. | 4180. | 518.7 | 621.5 |
| Stddev | 4.3 | 22. | .27 | 11. | .9 | 94. | 72. | 2.8 | 2.0 |
| %RSD | .8017 | .3659 | 1.716 | .5371 | .6831 | 2.164 | 1.727 | .5333 | .3163 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 533.2 | 6091. | 15.82 | 1994. | 127.1 | 4466. | 4219. | 520.4 | 623.6 |
| #2 | 528.5 | 6049. | 15.29 | 1974. | 127.8 | 4285. | 4224. | 515.5 | 619.7 |
| #3 | 537.0 | 6081. | 15.58 | 1991. | 128.9 | 4331. | 4097. | 520.1 | 621.2 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22779. | 37145. | 18276. |
| Stddev | 101. | 403. | 151. |
| %RSD | .44242 | 1.0837 | .82873 |

| | | | |
|----|--------|--------|--------|
| #1 | 22700. | 37122. | 18103. |
| #2 | 22893. | 37559. | 18382. |
| #3 | 22744. | 36754. | 18344. |

Sample Name: AN03681 Acquired: 9/26/2011 22:30:56 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.73 | F 107400. | 112600. | 622.5 | 1914. | 5.414 | 56370. | 11.50 | 83.90 | 1188. |
| Stddev | .48 | 963. | 482. | 5.5 | 8. | .078 | 154. | .11 | .18 | 8. |
| %RSD | 1.950 | .8970 | .4284 | .8849 | .4289 | 1.437 | .2728 | .9826 | .2118 | .6975 |

| | | | | | | | | | | |
|----|-------|---------|---------|-------|-------|-------|--------|-------|-------|-------|
| #1 | 24.17 | 107000. | 113100. | 626.6 | 1922. | 5.482 | 56540. | 11.43 | 83.93 | 1182. |
| #2 | 25.04 | 108500. | 112100. | 616.2 | 1905. | 5.431 | 56240. | 11.43 | 83.70 | 1197. |
| #3 | 24.97 | 106700. | 112500. | 624.5 | 1914. | 5.329 | 56340. | 11.63 | 84.05 | 1184. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2689. | ^ ***** | 270200. | 21550. | 51600. | 3572. | 35420. | 542.4 | 11630. | 31.58 |
| Stddev | 14. | ---- | 1417. | 45. | 49. | 37. | 114. | .6 | 61. | 3.09 |
| %RSD | .5253 | ---- | .5244 | .2068 | .0942 | 1.038 | .3210 | .1107 | .5254 | 9.781 |

| | | | | | | | | | | |
|----|-------|--------|---------|--------|--------|-------|--------|-------|--------|-------|
| #1 | 2678. | ^ ---- | 270100. | 21590. | 51540. | 3548. | 35550. | 542.5 | 11680. | 33.25 |
| #2 | 2705. | ^ ---- | 271600. | 21550. | 51630. | 3615. | 35330. | 542.9 | 11560. | 28.02 |
| #3 | 2685. | ^ ---- | 268800. | 21500. | 51620. | 3554. | 35380. | 541.7 | 11630. | 33.48 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.89 | .1585 | 428.5 | 4601. | 12.68 | 2153. | 135.4 | 4239. | 4110. | 575.8 |
| Stddev | 1.67 | 1.054 | 4.7 | 19. | .42 | 11. | 1.0 | 34. | 46. | 4.4 |
| %RSD | 6.973 | 665.2 | 1.102 | .4099 | 3.317 | .5298 | .7133 | .8014 | 1.119 | .7590 |

| | | | | | | | | | | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 22.24 | -.7618 | 423.5 | 4616. | 13.13 | 2141. | 135.0 | 4269. | 4123. | 570.8 |
| #2 | 25.57 | -.0713 | 432.9 | 4580. | 12.30 | 2164. | 134.7 | 4246. | 4148. | 579.1 |
| #3 | 23.86 | 1.309 | 429.2 | 4608. | 12.60 | 2155. | 136.5 | 4202. | 4059. | 577.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 560.7 |
| Stddev | 1.8 |
| %RSD | .3138 |

| | |
|----|-------|
| #1 | 562.6 |
| #2 | 559.2 |
| #3 | 560.1 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22632. | 36982. | 18210. |
| Stddev | 65. | 574. | 43. |
| %RSD | .28726 | 1.5525 | .23850 |

| | | | |
|----|--------|--------|--------|
| #1 | 22566. | 37433. | 18257. |
| #2 | 22696. | 36335. | 18199. |
| #3 | 22635. | 37177. | 18173. |

Sample Name: AN03682 Acquired: 9/26/2011 22:36:05 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.27 | F 94570. | 99290. | 513.0 | 1562. | 5.107 | 31340. | 9.969 | 73.08 | 1052. |
| Stddev | .22 | 1841. | 346. | 2.6 | 6. | .275 | 156. | .620 | .95 | 3. |
| %RSD | 1.056 | 1.947 | .3483 | .5118 | .3858 | 5.376 | .4962 | 6.214 | 1.294 | .3186 |

| | | | | | | | | | | |
|----|-------|--------|--------|-------|-------|-------|--------|-------|-------|-------|
| #1 | 21.50 | 95040. | 99520. | 516.0 | 1566. | 4.996 | 31410. | 10.68 | 74.17 | 1049. |
| #2 | 21.05 | 92540. | 99460. | 511.5 | 1564. | 4.905 | 31450. | 9.537 | 72.57 | 1053. |
| #3 | 21.25 | 96130. | 98890. | 511.5 | 1555. | 5.419 | 31160. | 9.692 | 72.50 | 1055. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2041. | F 199600. | 224600. | 18600. | 44250. | 3069. | 26260. | 438.4 | 8980. | 28.51 |
| Stddev | 8. | 3153. | 3472. | 20. | 75. | 44. | 18. | 2.6 | 71. | 3.99 |
| %RSD | .3852 | 1.580 | 1.546 | .1100 | .1687 | 1.448 | .0700 | .5907 | .7876 | 14.00 |

| | | | | | | | | | | |
|----|-------|---------|---------|--------|--------|-------|--------|-------|-------|-------|
| #1 | 2033. | 198500. | 223600. | 18600. | 44340. | 3048. | 26280. | 441.4 | 9055. | 32.84 |
| #2 | 2049. | 197100. | 228400. | 18610. | 44210. | 3040. | 26240. | 437.1 | 8915. | 24.97 |
| #3 | 2042. | 203100. | 221700. | 18570. | 44210. | 3121. | 26260. | 436.7 | 8969. | 27.72 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 16.09 | -2099 | 326.8 | 4000. | 9.182 | 1769. | 112.5 | 3389. | 3270. | 331.7 |
| Stddev | 1.82 | 1.662 | 3.2 | 26. | .341 | 11. | .9 | 29. | 42. | 3.3 |
| %RSD | 11.30 | 791.9 | .9901 | .6526 | 3.715 | .6021 | .8051 | .8507 | 1.272 | .9859 |

| | | | | | | | | | | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 17.77 | .2042 | 323.7 | 4027. | 9.567 | 1757. | 113.4 | 3402. | 3287. | 329.5 |
| #2 | 16.34 | -2.040 | 326.5 | 3975. | 9.062 | 1775. | 111.6 | 3356. | 3301. | 330.1 |
| #3 | 14.15 | 1.206 | 330.2 | 3999. | 8.917 | 1776. | 112.7 | 3408. | 3223. | 335.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 518.0 |
| Stddev | 2.6 |
| %RSD | .4966 |

| | |
|----|-------|
| #1 | 520.7 |
| #2 | 515.6 |
| #3 | 517.6 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22773. | 37681. | 18574. |
| Stddev | 129. | 527. | 175. |
| %RSD | .56699 | 1.3980 | .94096 |

| | | | |
|----|--------|--------|--------|
| #1 | 22627. | 37710. | 18691. |
| #2 | 22818. | 38193. | 18373. |
| #3 | 22874. | 37140. | 18657. |

Sample Name: AN03683 Acquired: 9/26/2011 22:41:18 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.98 | F 105000. | 107500. | 559.5 | 1518. | 5.597 | 36390. | 9.191 | 81.66 | 1094. |
| Stddev | .54 | 2077. | 434. | 4.9 | 9. | .339 | 216. | .593 | .39 | 5. |
| %RSD | 2.235 | 1.978 | .4034 | .8733 | .5619 | 6.060 | .5925 | 6.447 | .4786 | .4359 |

| | | | | | | | | | | |
|----|-------|---------|---------|-------|-------|-------|--------|-------|-------|-------|
| #1 | 24.03 | 103400. | 108000. | 561.1 | 1526. | 5.609 | 36620. | 9.076 | 81.29 | 1092. |
| #2 | 23.42 | 104300. | 107400. | 563.4 | 1519. | 5.930 | 36350. | 9.832 | 81.62 | 1090. |
| #3 | 24.49 | 107400. | 107100. | 554.1 | 1509. | 5.252 | 36190. | 8.664 | 82.07 | 1099. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2281. | ^ ***** | 243000. | 19670. | 48420. | 3600. | 25020. | 490.7 | 8955. | 23.96 |
| Stddev | 5. | --- | 4321. | 63. | 143. | 51. | 49. | 1.7 | 38. | 2.18 |
| %RSD | .2254 | --- | 1.778 | .3220 | .2954 | 1.422 | .1975 | .3375 | .4204 | 9.085 |

| | | | | | | | | | | |
|----|-------|--------|---------|--------|--------|-------|--------|-------|-------|-------|
| #1 | 2278. | ^ ---- | 243600. | 19670. | 48500. | 3611. | 25030. | 488.8 | 8976. | 25.79 |
| #2 | 2278. | ^ ---- | 238500. | 19610. | 48260. | 3544. | 24970. | 491.8 | 8977. | 21.56 |
| #3 | 2287. | ^ ---- | 247100. | 19730. | 48510. | 3645. | 25070. | 491.6 | 8911. | 24.54 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| Elem | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.58 | -.9164 | 377.3 | 4313. | 10.48 | 1812. | 116.4 | 3575. | 3413. | 357.4 |
| Stddev | 5.28 | 1.113 | 1.8 | 12. | .43 | 10. | 2.0 | 41. | 23. | 2.5 |
| %RSD | 28.42 | 121.5 | .4786 | .2784 | 4.109 | .5765 | 1.737 | 1.143 | .6657 | .6896 |

| | | | | | | | | | | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 16.86 | -2.188 | 377.2 | 4318. | 10.41 | 1812. | 117.6 | 3556. | 3388. | 357.3 |
| #2 | 24.51 | -.1198 | 375.5 | 4321. | 10.08 | 1802. | 117.5 | 3548. | 3423. | 355.0 |
| #3 | 14.38 | -.4414 | 379.1 | 4299. | 10.94 | 1823. | 114.1 | 3622. | 3430. | 359.9 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 491.1 |
| Stddev | 3.2 |
| %RSD | .6553 |

| | |
|----|-------|
| #1 | 489.3 |
| #2 | 494.8 |
| #3 | 489.2 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
|-----------|----------|----------|----------|
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22730. | 37250. | 18709. |
| Stddev | 61. | 283. | 169. |
| %RSD | .26709 | .76097 | .90570 |

| | | | |
|----|--------|--------|--------|
| #1 | 22666. | 37349. | 18726. |
| #2 | 22738. | 37470. | 18870. |
| #3 | 22787. | 36930. | 18532. |

Sample Name: AN03684 Acquired: 9/26/2011 22:46:28 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.03 | F 85450. | 88550. | 372.4 | 1536. | 4.722 | 33920. | 11.36 | 63.54 | 979.9 |
| Stddev | .48 | 932. | 335. | .4 | 8. | .242 | 131. | .37 | .40 | 5.2 |
| %RSD | 1.835 | 1.091 | .3788 | .1172 | .4952 | 5.135 | .3867 | 3.267 | .6343 | .5343 |

| | | | | | | | | | | |
|----|-------|--------|--------|-------|-------|-------|--------|-------|-------|-------|
| #1 | 25.56 | 84380. | 88380. | 372.6 | 1532. | 4.995 | 33870. | 11.60 | 63.81 | 974.4 |
| #2 | 26.02 | 86110. | 88350. | 371.8 | 1531. | 4.642 | 33810. | 10.94 | 63.73 | 980.4 |
| #3 | 26.52 | 85850. | 88940. | 372.6 | 1545. | 4.530 | 34060. | 11.55 | 63.08 | 984.9 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1972. | F 187800. | 203600. | 18850. | 46980. | 2547. | 67620. | 317.5 | 4824. | 21.22 |
| Stddev | 6. | 2465. | 3523. | 27. | 202. | 27. | 148. | .4 | 12. | 3.66 |
| %RSD | .3007 | 1.313 | 1.730 | .1458 | .4297 | 1.065 | .2190 | .1135 | .2412 | 17.23 |

| | | | | | | | | | | |
|----|-------|---------|---------|--------|--------|-------|--------|-------|-------|-------|
| #1 | 1970. | 184900. | 206600. | 18870. | 47210. | 2523. | 67740. | 317.2 | 4838. | 18.55 |
| #2 | 1968. | 189000. | 204600. | 18820. | 46840. | 2576. | 67460. | 317.9 | 4818. | 19.74 |
| #3 | 1979. | 189400. | 199700. | 18860. | 46880. | 2541. | 67660. | 317.4 | 4817. | 25.39 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 19.92 | .6157 | 275.3 | 3480. | 9.736 | 1889. | 129.0 | 4149. | 3982. | 388.8 |
| Stddev | 4.00 | 2.778 | 1.9 | 3. | .284 | 8. | 1.1 | 51. | 20. | 1.7 |
| %RSD | 20.06 | 451.2 | .6907 | .0805 | 2.918 | .4037 | .8298 | 1.233 | .5034 | .4271 |

| | | | | | | | | | | |
|----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 23.35 | 3.819 | 273.4 | 3477. | 9.439 | 1880. | 128.0 | 4128. | 4005. | 387.0 |
| #2 | 15.53 | -.8426 | 275.2 | 3482. | 9.761 | 1892. | 130.1 | 4112. | 3970. | 390.3 |
| #3 | 20.86 | -1.130 | 277.2 | 3482. | 10.01 | 1894. | 128.8 | 4208. | 3971. | 389.2 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1079. |
| Stddev | 3. |
| %RSD | .2531 |

| | |
|----|-------|
| #1 | 1076. |
| #2 | 1081. |
| #3 | 1080. |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
|-----------|----------|----------|----------|
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22871. | 36648. | 17864. |
| Stddev | 43. | 286. | 133. |
| %RSD | .18697 | .78141 | .74650 |

| | | | |
|----|--------|--------|--------|
| #1 | 22916. | 36979. | 17717. |
| #2 | 22864. | 36481. | 17978. |
| #3 | 22831. | 36485. | 17897. |

Sample Name: AN03685 Acquired: 9/26/2011 22:51:38 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 33.06 | F 112700. | 119000. | 504.7 | 2023. | 6.136 | 52440. | 15.84 | 83.18 | 1310. |
| Stddev | .82 | 2397. | 1389. | 5.6 | 25. | .126 | 422. | .11 | .22 | 11. |
| %RSD | 2.467 | 2.126 | 1.167 | 1.115 | 1.232 | 2.055 | .8049 | .7117 | .2667 | .8108 |
| #1 | 33.71 | 115500. | 120000. | 511.2 | 2046. | 6.049 | 52770. | 15.82 | 82.94 | 1320. |
| #2 | 33.33 | 111400. | 119600. | 501.1 | 2026. | 6.281 | 52590. | 15.95 | 83.23 | 1311. |
| #3 | 32.15 | 111300. | 117400. | 501.9 | 1996. | 6.078 | 51970. | 15.73 | 83.37 | 1299. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2762. | ^ ***** | 259600. | 24820. | 60890. | 3735. | 71550. | 361.3 | 5191. | 31.39 |
| Stddev | 30. | ---- | 1854. | 38. | 179. | 44. | 649. | .4 | 29. | 3.39 |
| %RSD | 1.086 | ---- | .7143 | .1547 | .2936 | 1.185 | .9076 | .1006 | .5589 | 10.81 |
| #1 | 2786. | ^ ---- | 258600. | 24780. | 60710. | 3783. | 71870. | 361.5 | 5165. | 31.78 |
| #2 | 2771. | ^ ---- | 258500. | 24850. | 61070. | 3725. | 71970. | 360.9 | 5222. | 34.58 |
| #3 | 2728. | ^ ---- | 261700. | 24850. | 60900. | 3696. | 70800. | 361.5 | 5185. | 27.82 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.08 | -1.679 | 376.1 | 4381. | 11.60 | 2394. | 175.2 | 4078. | 3942. | 483.4 |
| Stddev | .92 | 1.592 | 6.5 | 16. | .37 | 28. | 2.0 | 60. | 22. | 5.5 |
| %RSD | 4.151 | 94.85 | 1.740 | .3704 | 3.225 | 1.168 | 1.138 | 1.464 | .5652 | 1.132 |
| #1 | 21.93 | -1.890 | 382.8 | 4375. | 11.82 | 2420. | 173.0 | 4142. | 3932. | 489.4 |
| #2 | 23.06 | -3.155 | 375.8 | 4399. | 11.17 | 2399. | 176.8 | 4067. | 3967. | 482.3 |
| #3 | 21.24 | .0085 | 369.7 | 4368. | 11.82 | 2364. | 175.8 | 4024. | 3926. | 478.6 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1475. |
| Stddev | 6. |
| %RSD | .3821 |

| | |
|----|-------|
| #1 | 1480. |
| #2 | 1469. |
| #3 | 1476. |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23020. | 38242. | 18654. |
| Stddev | 222. | 528. | 182. |
| %RSD | .96255 | 1.3814 | .97413 |
| #1 | 23078. | 37688. | 18756. |
| #2 | 22776. | 38300. | 18444. |
| #3 | 23207. | 38739. | 18762. |

Sample Name: AN03686 Acquired: 9/26/2011 22:56:48 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 32.03 | F 115500. | 119400. | 469.9 | 1968. | 5.952 | 45720. | 15.32 | 83.91 | 1381. |
| Stddev | .41 | 1136. | 288. | 3.8 | 4. | .107 | 31. | .41 | .59 | 7. |
| %RSD | 1.290 | .9830 | .2413 | .8086 | .1848 | 1.789 | .0669 | 2.666 | .7072 | .4745 |
| #1 | 32.49 | 114300. | 119700. | 472.5 | 1971. | 6.042 | 45750. | 15.12 | 83.78 | 1387. |
| #2 | 31.91 | 115700. | 119200. | 465.5 | 1964. | 5.980 | 45690. | 15.04 | 83.39 | 1374. |
| #3 | 31.70 | 116600. | 119200. | 471.5 | 1969. | 5.834 | 45720. | 15.79 | 84.56 | 1382. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2794. | ^ ***** | 256100. | 23070. | 60700. | 3445. | 69970. | 449.3 | 6189. | 27.65 |
| Stddev | 20. | ---- | 4044. | 66. | 240. | 34. | 492. | 1.5 | 41. | .86 |
| %RSD | .7246 | ---- | 1.579 | .2871 | .3949 | .9866 | .7031 | .3423 | .6647 | 3.113 |
| #1 | 2817. | ^ ---- | 260300. | 23140. | 60950. | 3408. | 70520. | 449.0 | 6189. | 28.63 |
| #2 | 2780. | ^ ---- | 252200. | 23010. | 60680. | 3450. | 69790. | 447.9 | 6148. | 27.31 |
| #3 | 2784. | ^ ---- | 256000. | 23050. | 60470. | 3476. | 69590. | 450.9 | 6230. | 27.02 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 31.41 | -.0953 | 353.4 | 4388. | 11.15 | 2390. | 161.1 | 4721. | 4567. | 486.8 |
| Stddev | 1.44 | 1.770 | 1.6 | 18. | .39 | 5. | 1.1 | 50. | 42. | .6 |
| %RSD | 4.576 | .1857. | .4651 | .4147 | 3.481 | .1959 | .7022 | 1.062 | .9219 | .1169 |
| #1 | 31.48 | -.4527 | 355.2 | 4392. | 10.71 | 2394. | 162.4 | 4700. | 4522. | 486.5 |
| #2 | 29.93 | -1.659 | 353.0 | 4369. | 11.31 | 2391. | 160.7 | 4685. | 4606. | 487.4 |
| #3 | 32.81 | 1.826 | 352.0 | 4405. | 11.44 | 2385. | 160.2 | 4778. | 4572. | 486.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1297. |
| Stddev | 7. |
| %RSD | .5232 |

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|----|-------|
| #1 | 1294. |
| #2 | 1292. |
| #3 | 1305. |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
|-----------|----------|----------|----------|
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22599. | 37108. | 18217. |
| Stddev | 82. | 243. | 78. |
| %RSD | .36409 | .65567 | .42918 |

| | | | |
|----|--------|--------|--------|
| #1 | 22509. | 37363. | 18163. |
| #2 | 22618. | 36878. | 18307. |
| #3 | 22670. | 37084. | 18181. |

Sample Name: CCV Acquired: 9/26/2011 23:01:56 Type: QC
 Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
 User: RRecto Instrument: ICAP6300 Method: SOP-C-109
 Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 196.0 | 4670. | 4879. | 203.9 | 204.1 | 186.3 | 5129. | 207.5 | 195.2 | 223.2 | 203.4 |
| Stddev | 1.6 | 35. | 23. | 1.3 | 1.6 | .8 | 21. | .8 | .6 | .7 | 1.1 |
| %RSD | .8353 | .7527 | .4803 | .6205 | .7853 | .4195 | .4051 | .3778 | .3275 | .2920 | .5335 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 196.8 | 4676. | 4895. | 204.5 | 205.8 | 187.1 | 5136. | 207.3 | 194.5 | 222.7 | 203.6 |
| #2 | 194.2 | 4632. | 4890. | 204.7 | 203.9 | 185.6 | 5145. | 206.8 | 195.6 | 223.0 | 202.3 |
| #3 | 197.1 | 4702. | 4852. | 202.4 | 202.6 | 186.2 | 5105. | 208.3 | 195.6 | 223.9 | 204.4 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5401. | 5006. | 5139. | 5131. | 218.5 | 5047. | 202.6 | 210.7 | 190.9 | 209.1 | 200.2 |
| Stddev | 21. | 5. | 64. | 64. | .7 | 18. | .6 | 4.5 | 3.3 | 1.4 | 2.2 |
| %RSD | .3898 | .0997 | 1.239 | 1.239 | .3280 | .3524 | .2785 | 2.141 | 1.713 | .6785 | 1.095 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5400. | 5009. | 5213. | 5064. | 218.2 | 5065. | 202.9 | 208.2 | 187.2 | 207.5 | 199.4 |
| #2 | 5380. | 5000. | 5102. | 5138. | 218.1 | 5044. | 201.9 | 208.0 | 191.9 | 209.4 | 202.7 |
| #3 | 5422. | 5009. | 5103. | 5190. | 219.4 | 5030. | 202.9 | 215.9 | 193.5 | 210.3 | 198.5 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.1 | 229.4 | 195.6 | 199.7 | 186.8 | 5173. | 4922. | 206.4 | 211.4 |
| Stddev | 1.3 | 1.6 | .8 | .5 | 1.5 | 32. | 11. | 1.5 | 1.6 |
| %RSD | .6320 | .7071 | .4080 | .2590 | .7918 | .6120 | .2137 | .7478 | .7765 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 206.2 | 229.9 | 195.8 | 200.3 | 188.2 | 5158. | 4928. | 205.3 | 212.1 |
| #2 | 204.7 | 227.6 | 194.7 | 199.3 | 185.2 | 5151. | 4910. | 205.7 | 209.5 |
| #3 | 207.3 | 230.8 | 196.3 | 199.5 | 186.8 | 5209. | 4929. | 208.1 | 212.6 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22818. | 36383. | 16504. |
| Stddev | 34. | 433. | 411. |
| %RSD | .14684 | 1.1912 | 2.4883 |

| | | | |
|----|--------|--------|--------|
| #1 | 22802. | 36344. | 16867. |
| #2 | 22856. | 36835. | 16587. |
| #3 | 22794. | 35971. | 16058. |

Sample Name: CCB Acquired: 9/26/2011 23:06:33 Type: QC
 Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
 User: RRecto Instrument: ICAP6300 Method: SOP-C-109
 Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3005 | -16.03 | -7.979 | -3.335 | 1.489 | .1603 | -13.41 | -.1066 | -.1843 | -.9050 | .0908 |
| Stddev | .7465 | 2.94 | 25.92 | 1.433 | .588 | .1824 | 4.26 | .1334 | .1532 | .3353 | .4903 |
| %RSD | 248.4 | 18.32 | 324.9 | 42.99 | 39.49 | 113.8 | 31.81 | 125.2 | 83.17 | 37.05 | 539.7 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | .5171 | -13.43 | 5.454 | -2.616 | 2.033 | -.0257 | -9.841 | -.2601 | -.1033 | -1.039 | .1317 |
| #2 | -.5303 | -15.43 | 8.471 | -4.985 | 1.569 | .1677 | -18.13 | -.0414 | -.0885 | -1.152 | -.4186 |
| #3 | .9147 | -19.22 | -37.86 | -2.402 | .8650 | .3389 | -12.25 | -.0183 | -.3610 | -.5234 | .5595 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -10.13 | -15.72 | -58.66 | -39.39 | .0528 | -133.7 | -.2977 | 2.648 | -.7933 | 1.426 | -2.678 |
| Stddev | 2.48 | .82 | 12.81 | 11.11 | .0458 | 11.0 | .2373 | 1.960 | 2.841 | .924 | .386 |
| %RSD | 24.51 | 5.187 | 21.84 | 28.20 | 86.73 | 8.236 | 79.70 | 74.01 | 358.1 | 64.78 | 14.41 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|-------|--------|-------|--------|
| #1 | -7.353 | -15.39 | -43.93 | -48.56 | .0726 | -131.8 | -.5378 | 3.324 | -4.040 | .6966 | -2.823 |
| #2 | -10.90 | -15.12 | -67.19 | -42.59 | .0004 | -145.5 | -.0633 | 4.181 | 1.235 | 1.117 | -2.971 |
| #3 | -12.14 | -16.65 | -64.86 | -27.04 | .0853 | -123.7 | -.2922 | .4398 | .4249 | 2.465 | -2.241 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1839 | .6387 | -.0807 | .0578 | -2.658 | -14.95 | -10.74 | .0683 | 1.870 |
| Stddev | .4775 | .1468 | .3441 | .3911 | .838 | 2.77 | 11.71 | 1.047 | .788 |
| %RSD | 259.6 | 22.99 | 426.6 | 676.6 | 31.53 | 18.50 | 109.0 | 1533. | 42.12 |

| | | | | | | | | | |
|----|--------|-------|--------|--------|--------|--------|--------|--------|-------|
| #1 | -.2662 | .7971 | -.3139 | -.1331 | -1.778 | -12.31 | -2.169 | 1.190 | 1.751 |
| #2 | .3294 | .5071 | .3146 | .5077 | -3.447 | -14.72 | -24.08 | -.1035 | 1.149 |
| #3 | -.6148 | .6118 | -.2427 | -.2011 | -2.750 | -17.83 | -5.971 | -.8818 | 2.710 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23129. | 36501. | 16409. |
| Stddev | 137. | 302. | 151. |
| %RSD | .59421 | .82778 | .92025 |

| | | | |
|----|--------|--------|--------|
| #1 | 23003. | 36513. | 16381. |
| #2 | 23275. | 36797. | 16573. |
| #3 | 23109. | 36193. | 16275. |

Sample Name: AN03687 Acquired: 9/26/2011 23:11:22 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.94 | F 97510. | 101800. | 400.7 | 1927. | 5.151 | 44020. | 10.96 | 70.42 | 1038. |
| Stddev | .56 | 2049. | 447. | 1.8 | 11. | .310 | 237. | .04 | .21 | 17. |
| %RSD | 2.229 | 2.101 | .4392 | .4390 | .5571 | 6.024 | .5380 | .3731 | .3015 | 1.621 |
| #1 | 25.52 | 99220. | 101700. | 398.9 | 1925. | 5.303 | 44060. | 10.92 | 70.23 | 1056. |
| #2 | 24.89 | 98070. | 102300. | 402.4 | 1939. | 4.794 | 44230. | 11.00 | 70.38 | 1033. |
| #3 | 24.41 | 95240. | 101500. | 400.8 | 1918. | 5.356 | 43760. | 10.97 | 70.65 | 1023. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2154. | F 200400. | 215000. | 20750. | 51840. | 3400. | 54970. | 302.3 | 5202. | 23.72 |
| Stddev | 28. | 5075. | 2009. | 79. | 422. | 92. | 194. | 2.2 | 9. | 2.31 |
| %RSD | 1.310 | 2.532 | .9345 | .3811 | .8134 | 2.719 | .3521 | .7160 | .1713 | 9.746 |
| #1 | 2185. | 205500. | 212700. | 20810. | 52330. | 3495. | 55060. | 303.9 | 5209. | 22.62 |
| #2 | 2146. | 200400. | 216300. | 20780. | 51610. | 3394. | 55110. | 299.9 | 5192. | 22.17 |
| #3 | 2130. | 195400. | 216000. | 20670. | 51590. | 3311. | 54750. | 303.2 | 5206. | 26.38 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.88 | 1.032 | 315.0 | 3731. | 8.726 | 2274. | 153.9 | 4469. | 4279. | 409.5 |
| Stddev | 1.71 | 2.499 | 4.8 | 10. | .135 | 18. | .5 | 100. | 12. | 3.1 |
| %RSD | 7.144 | 242.0 | 1.524 | .2760 | 1.550 | .8062 | .3299 | 2.246 | .2916 | .7672 |
| #1 | 25.76 | 2.867 | 320.2 | 3739. | 8.794 | 2293. | 153.7 | 4583. | 4281. | 412.7 |
| #2 | 23.45 | 2.043 | 314.0 | 3720. | 8.570 | 2272. | 153.6 | 4428. | 4265. | 409.3 |
| #3 | 22.43 | -1.813 | 310.8 | 3735. | 8.813 | 2256. | 154.5 | 4395. | 4289. | 406.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 928.6 |
| Stddev | 4.9 |
| %RSD | .5291 |

| | |
|----|-------|
| #1 | 931.6 |
| #2 | 923.0 |
| #3 | 931.3 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23013. | 37041. | 17840. |
| Stddev | 100. | 849. | 123. |
| %RSD | .43402 | 2.2909 | .69101 |

| | | | |
|----|--------|--------|--------|
| #1 | 23128. | 36147. | 17980. |
| #2 | 22945. | 37142. | 17793. |
| #3 | 22965. | 37835. | 17748. |

Sample Name: AN03688 Acquired: 9/26/2011 23:16:36 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 29.25 | F 125100. | 130100. | 483.3 | 1760. | 6.470 | 43780. | 12.53 | 88.89 | 1256. |
| Stddev | .27 | 843. | 497. | 4.5 | 10. | .310 | 154. | .27 | .30 | 1. |
| %RSD | .9261 | .6736 | .3818 | .9326 | .5523 | 4.787 | .3518 | 2.165 | .3412 | .0441 |
| #1 | 29.46 | 124300. | 129800. | 485.2 | 1752. | 6.123 | 43850. | 12.84 | 88.72 | 1257. |
| #2 | 29.35 | 125900. | 130700. | 478.2 | 1771. | 6.570 | 43880. | 12.41 | 89.24 | 1256. |
| #3 | 28.95 | 125200. | 129900. | 486.6 | 1757. | 6.718 | 43600. | 12.33 | 88.70 | 1256. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2477. | ^ ***** | 267800. | 25770. | 63390. | 4210. | 65730. | 378.8 | 5285. | 33.39 |
| Stddev | 4. | ---- | 1254. | 68. | 77. | 24. | 188. | .9 | 5. | 3.44 |
| %RSD | .1588 | ---- | .4682 | .2640 | .1214 | .5682 | .2853 | .2457 | .0944 | 10.29 |
| #1 | 2473. | ^ ---- | 266700. | 25690. | 63440. | 4184. | 65530. | 379.7 | 5288. | 37.35 |
| #2 | 2477. | ^ ---- | 269200. | 25780. | 63300. | 4231. | 65900. | 379.0 | 5279. | 31.10 |
| #3 | 2481. | ^ ---- | 267700. | 25830. | 63420. | 4216. | 65770. | 377.8 | 5288. | 31.74 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.83 | -1.060 | 386.5 | 4532. | 12.47 | 2236. | 187.1 | 5527. | 5245. | 439.6 |
| Stddev | .85 | .695 | 2.7 | 8. | .54 | 2. | .9 | 28. | 50. | 1.2 |
| %RSD | 4.061 | 65.54 | .7109 | .1860 | 4.323 | .0928 | .4944 | .4997 | .9563 | .2707 |
| #1 | 20.50 | -.9569 | 384.1 | 4540. | 12.87 | 2235. | 186.0 | 5559. | 5279. | 438.4 |
| #2 | 21.80 | -.4228 | 385.9 | 4523. | 11.86 | 2234. | 187.5 | 5511. | 5269. | 439.5 |
| #3 | 20.21 | -1.801 | 389.5 | 4533. | 12.68 | 2238. | 187.7 | 5510. | 5187. | 440.8 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 849.5 |
| Stddev | 2.7 |
| %RSD | .3200 |

| | |
|----|-------|
| #1 | 852.7 |
| #2 | 848.1 |
| #3 | 847.8 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23666. | 37662. | 17833. |
| Stddev | 25. | 130. | 148. |
| %RSD | .10745 | .34435 | .82821 |

| | | | |
|----|--------|--------|--------|
| #1 | 23637. | 37755. | 17993. |
| #2 | 23683. | 37514. | 17804. |
| #3 | 23679. | 37717. | 17702. |

Sample Name: AN03689 Acquired: 9/26/2011 23:21:44 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 23.73 | F 93810. | 97110. | 402.9 | 1321. | 4.616 | 39470. | 8.669 | 69.35 | 924.9 |
| Stddev | .78 | 2030. | 656. | 1.9 | 7. | .104 | 306. | .094 | .22 | 4.9 |
| %RSD | 3.303 | 2.164 | .6750 | .4700 | .5430 | 2.260 | .7745 | 1.078 | .3147 | .5301 |
| #1 | 24.62 | 96130. | 97850. | 401.9 | 1329. | 4.517 | 39820. | 8.596 | 69.54 | 930.5 |
| #2 | 23.16 | 92400. | 96880. | 401.8 | 1316. | 4.725 | 39340. | 8.774 | 69.11 | 921.2 |
| #3 | 23.39 | 92890. | 96610. | 405.1 | 1318. | 4.605 | 39250. | 8.637 | 69.39 | 923.0 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1853. | F 206800. | 221400. | 19980. | 50350. | 3278. | 51640. | 296.2 | 5045. | 24.57 |
| Stddev | 10. | 2721. | 3062. | 200. | 525. | 29. | 314. | 1.3 | 14. | 3.98 |
| %RSD | .5600 | 1.316 | 1.383 | 1.001 | 1.042 | .8831 | .6088 | .4326 | .2724 | 16.19 |
| #1 | 1863. | 209700. | 220900. | 20170. | 50790. | 3285. | 51880. | 295.5 | 5053. | 25.77 |
| #2 | 1852. | 204400. | 224600. | 19990. | 50480. | 3246. | 51740. | 295.4 | 5030. | 20.13 |
| #3 | 1843. | 206200. | 218500. | 19770. | 49770. | 3302. | 51280. | 297.6 | 5054. | 27.80 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.93 | -.7469 | 310.9 | 3322. | 8.472 | 1859. | 147.4 | 4114. | 3951. | 360.9 |
| Stddev | 3.22 | .2615 | 1.2 | 9. | .250 | 7. | .7 | 58. | 54. | 4.0 |
| %RSD | 14.68 | 35.01 | .3706 | .2576 | 2.948 | .3543 | .5039 | 1.412 | 1.379 | 1.098 |
| #1 | 21.47 | -.4450 | 312.0 | 3324. | 8.253 | 1859. | 148.2 | 4098. | 4014. | 360.1 |
| #2 | 18.97 | -.8922 | 309.7 | 3313. | 8.419 | 1853. | 147.1 | 4178. | 3927. | 357.5 |
| #3 | 25.36 | -.9035 | 311.0 | 3330. | 8.744 | 1866. | 146.8 | 4065. | 3913. | 365.3 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 521.0 |
| Stddev | 1.1 |
| %RSD | .2077 |
| #1 | 522.1 |
| #2 | 519.9 |
| #3 | 520.9 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23470. | 37442. | 17514. |
| Stddev | 29. | 276. | 316. |
| %RSD | .12559 | .73763 | 1.8037 |
| #1 | 23449. | 37155. | 17424. |
| #2 | 23503. | 37706. | 17253. |
| #3 | 23457. | 37466. | 17865. |

Sample Name: AN03690 Acquired: 9/26/2011 23:26:58 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.21 | F 89000. | 94040. | 457.2 | 1487. | 4.976 | 36180. | 9.590 | 70.26 | 1007. |
| Stddev | .80 | 248. | 405. | 4.7 | 7. | .170 | 113. | .366 | .36 | 7. |
| %RSD | 3.782 | .2791 | .4306 | 1.038 | .4977 | 3.410 | .3118 | 3.814 | .5174 | .6531 |
| #1 | 22.10 | 89220. | 94220. | 451.7 | 1491. | 4.782 | 36120. | 9.173 | 69.96 | 1014. |
| #2 | 20.97 | 89060. | 94320. | 460.4 | 1492. | 5.096 | 36310. | 9.740 | 70.16 | 1007. |
| #3 | 20.55 | 88730. | 93570. | 459.4 | 1479. | 5.051 | 36100. | 9.858 | 70.66 | 1001. |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1848. | F 201000. | 217200. | 18740. | 47520. | 3011. | 46300. | 341.8 | 5899. | 23.55 |
| Stddev | 11. | 1350. | 1512. | 100. | 113. | 21. | 112. | .7 | 25. | 1.43 |
| %RSD | .5970 | .6718 | .6960 | .5315 | .2375 | .7080 | .2423 | .1913 | .4297 | 6.055 |
| #1 | 1859. | 201200. | 218600. | 18630. | 47420. | 3016. | 46350. | 342.6 | 5870. | 24.88 |
| #2 | 1848. | 202200. | 217500. | 18830. | 47490. | 2988. | 46370. | 341.5 | 5913. | 23.72 |
| #3 | 1837. | 199500. | 215600. | 18750. | 47640. | 3030. | 46170. | 341.4 | 5914. | 22.05 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.31 | -1.351 | 318.0 | 3410. | 8.543 | 1577. | 130.5 | 3983. | 3792. | 374.2 |
| Stddev | 2.55 | 2.495 | 3.1 | 7. | .400 | 6. | 1.0 | 37. | 47. | 2.1 |
| %RSD | 13.95 | 184.7 | .9658 | .2060 | 4.681 | .3490 | .7950 | .9296 | 1.239 | .5644 |
| #1 | 21.25 | -3.803 | 321.5 | 3402. | 8.936 | 1584. | 129.6 | 4024. | 3754. | 376.6 |
| #2 | 16.88 | 1.185 | 316.9 | 3414. | 8.555 | 1574. | 130.3 | 3975. | 3845. | 372.8 |
| #3 | 16.78 | -1.433 | 315.6 | 3413. | 8.137 | 1574. | 131.6 | 3951. | 3779. | 373.1 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 475.8 |
| Stddev | 1.8 |
| %RSD | .3709 |

| | |
|----|-------|
| #1 | 476.2 |
| #2 | 473.9 |
| #3 | 477.3 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23054. | 37061. | 17547. |
| Stddev | 80. | 106. | 16. |
| %RSD | .34797 | .28553 | .09228 |

| | | | |
|----|--------|--------|--------|
| #1 | 23081. | 36939. | 17546. |
| #2 | 22964. | 37123. | 17531. |
| #3 | 23118. | 37121. | 17563. |

Sample Name: AN03691 Acquired: 9/26/2011 23:32:12 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 24.46 | F 97770. | 103200. | 558.3 | 1591. | 5.060 | 35330. | 11.58 | 77.97 | 1145. | 2282. |
| Stddev | .51 | 1330. | 672. | 4.0 | 13. | .126 | 171. | .35 | .10 | 12. | 22. |
| %RSD | 2.077 | 1.360 | .6508 | .7181 | .8066 | 2.497 | .4846 | 2.992 | .1274 | 1.085 | .9812 |

| | | | | | | | | | | | |
|----|-------|--------|---------|-------|-------|-------|--------|-------|-------|-------|-------|
| #1 | 24.06 | 96290. | 102700. | 555.0 | 1581. | 5.072 | 35180. | 11.20 | 78.09 | 1131. | 2262. |
| #2 | 24.29 | 98860. | 103000. | 557.2 | 1586. | 4.929 | 35300. | 11.66 | 77.90 | 1149. | 2279. |
| #3 | 25.03 | 98160. | 104000. | 562.8 | 1605. | 5.181 | 35520. | 11.87 | 77.94 | 1155. | 2306. |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | ^ ***** | 237400. | 20340. | 50550. | 3068. | 48820. | 480.4 | 9190. | 32.66 | 19.03 | 1.234 |
| Stddev | --- | 4951. | 117. | 110. | 59. | 257. | 1.6 | 46. | .63 | 1.68 | 1.392 |
| %RSD | --- | 2.085 | .5751 | .2166 | 1.919 | .5263 | .3402 | .5031 | 1.922 | 8.836 | 112.7 |

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|----|--------|---------|--------|--------|-------|--------|-------|-------|-------|-------|-------|
| #1 | ^ ---- | 243100. | 20230. | 50680. | 3002. | 48770. | 481.4 | 9176. | 33.25 | 20.93 | .2127 |
| #2 | ^ ---- | 233900. | 20330. | 50480. | 3116. | 48590. | 478.5 | 9152. | 32.72 | 17.72 | .6710 |
| #3 | ^ ---- | 235300. | 20460. | 50500. | 3085. | 49090. | 481.2 | 9241. | 32.00 | 18.45 | 2.820 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 365.9 | 4307. | 10.01 | 1690. | 144.7 | 3317. | 3175. | 422.1 | 563.6 |
| Stddev | 4.9 | 15. | .59 | 11. | 1.1 | 53. | 88. | 1.6 | 2.6 |
| %RSD | 1.344 | .3501 | 5.848 | .6462 | .7823 | 1.583 | 2.771 | .3723 | .4696 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 360.6 | 4306. | 9.881 | 1680. | 143.4 | 3266. | 3081. | 420.6 | 562.5 |
| #2 | 366.6 | 4292. | 10.65 | 1689. | 145.1 | 3313. | 3189. | 422.1 | 561.6 |
| #3 | 370.4 | 4322. | 9.496 | 1702. | 145.6 | 3371. | 3256. | 423.7 | 566.6 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23162. | 37361. | 17516. |
| Stddev | 77. | 462. | 81. |
| %RSD | .33405 | 1.2369 | .46080 |

| | | | |
|----|--------|--------|--------|
| #1 | 23093. | 37768. | 17425. |
| #2 | 23246. | 36859. | 17544. |
| #3 | 23147. | 37456. | 17579. |

Sample Name: AN03692 Acquired: 9/26/2011 23:37:21 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 22.04 | F 94960. | 100300. | 582.5 | 1603. | 5.299 | 36980. | 11.57 | 79.47 | 1113. | 2313. |
| Stddev | .43 | 1573. | 502. | 1.5 | 8. | .251 | 110. | .27 | .27 | 13. | 34. |
| %RSD | 1.928 | 1.656 | .5009 | .2587 | .4774 | 4.735 | .2971 | 2.310 | .3387 | 1.152 | 1.491 |

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|----|-------|--------|---------|-------|-------|-------|--------|-------|-------|-------|-------|
| #1 | 21.99 | 94190. | 100900. | 580.9 | 1611. | 5.241 | 37110. | 11.75 | 79.21 | 1121. | 2341. |
| #2 | 21.65 | 93930. | 100100. | 583.8 | 1602. | 5.082 | 36940. | 11.69 | 79.45 | 1098. | 2275. |
| #3 | 22.49 | 96770. | 99940. | 583.0 | 1596. | 5.573 | 36900. | 11.26 | 79.75 | 1119. | 2324. |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | ^ ***** | 241800. | 19480. | 49200. | 3115. | 41240. | 498.3 | 10060. | 43.77 | 17.63 | -.6768 |
| Stddev | --- | 2900. | 99. | 169. | 57. | 179. | 1.9 | 16. | 1.06 | 3.98 | 4.878 |
| %RSD | --- | 1.199 | .5105 | .3444 | 1.841 | .4346 | .3721 | .1596 | 2.427 | 22.57 | 720.8 |

| | | | | | | | | | | | |
|----|--------|---------|--------|--------|-------|--------|-------|--------|-------|-------|--------|
| #1 | ^ ---- | 239600. | 19460. | 49320. | 3097. | 41450. | 497.9 | 10040. | 44.50 | 22.19 | -6.273 |
| #2 | ^ ---- | 245100. | 19400. | 49010. | 3069. | 41130. | 496.7 | 10070. | 42.55 | 14.86 | 2.676 |
| #3 | ^ ---- | 240700. | 19590. | 49280. | 3180. | 41140. | 500.3 | 10080. | 44.27 | 15.83 | 1.566 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 366.6 | 4446. | 12.11 | 1675. | 135.6 | 3780. | 3635. | 418.3 | 541.7 |
| Stddev | 7.5 | 8. | .12 | 14. | 1.9 | 17. | 48. | 3.0 | 3.4 |
| %RSD | 2.049 | .1721 | .9594 | .8657 | 1.390 | .4524 | 1.332 | .7268 | .6362 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 372.7 | 4445. | 12.25 | 1686. | 135.3 | 3794. | 3691. | 419.6 | 539.8 |
| #2 | 358.2 | 4439. | 12.04 | 1658. | 133.9 | 3761. | 3607. | 414.9 | 539.6 |
| #3 | 368.9 | 4454. | 12.05 | 1679. | 137.6 | 3785. | 3608. | 420.5 | 545.7 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23587. | 37893. | 17688. |
| Stddev | 34. | 556. | 138. |
| %RSD | .14335 | 1.4660 | .77960 |

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|----|--------|--------|--------|
| #1 | 23563. | 37928. | 17686. |
| #2 | 23626. | 38429. | 17551. |
| #3 | 23573. | 37320. | 17827. |

Sample Name: AN03693 Acquired: 9/26/2011 23:42:31 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|----------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.85 | F 96850. | 100600. | 533.4 | 884.5 | 5.130 | 30360. | 5.225 | 84.08 | 733.1 | 1836. |
| Stddev | .20 | 2032. | 736. | 4.2 | 7.6 | .323 | 114. | .112 | .58 | 12.0 | 27. |
| %RSD | 1.797 | 2.098 | .7320 | .7884 | .8550 | 6.296 | .3758 | 2.140 | .6940 | 1.640 | 1.488 |

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|----|-------|--------|---------|-------|-------|-------|--------|-------|-------|-------|-------|
| #1 | 11.05 | 99180. | 101400. | 537.9 | 892.8 | 5.332 | 30480. | 5.283 | 84.33 | 747.0 | 1867. |
| #2 | 10.84 | 95910. | 100300. | 529.5 | 882.6 | 5.301 | 30250. | 5.096 | 83.41 | 726.7 | 1827. |
| #3 | 10.66 | 95460. | 100100. | 532.9 | 878.0 | 4.757 | 30350. | 5.296 | 84.49 | 725.6 | 1815. |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | ^ ***** | 236500. | 19400. | 46480. | 3690. | 42000. | 536.2 | 10400. | 13.74 | 7.711 | .2774 |
| Stddev | ---- | 3934. | 113. | 53. | 51. | 350. | 1.4 | 73. | 4.55 | .838 | .9148 |
| %RSD | ---- | 1.663 | .5843 | .1150 | 1.393 | .8325 | .2582 | .7065 | 33.13 | 10.87 | 329.8 |

| | | | | | | | | | | | |
|----|--------|---------|--------|--------|-------|--------|-------|--------|-------|-------|--------|
| #1 | ^ ---- | 239800. | 19490. | 46540. | 3750. | 42370. | 536.8 | 10420. | 9.500 | 7.000 | .3460 |
| #2 | ^ ---- | 232200. | 19440. | 46460. | 3658. | 41950. | 534.7 | 10310. | 13.16 | 8.635 | -.6698 |
| #3 | ^ ---- | 237500. | 19270. | 46440. | 3663. | 41680. | 537.3 | 10450. | 18.55 | 7.497 | 1.156 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 248.3 | 2912. | 11.93 | 1565. | 114.0 | 5318. | 5090. | 288.8 | 768.8 |
| Stddev | 4.7 | 16. | .50 | 21. | 1.1 | 133. | 43. | 2.3 | 2.3 |
| %RSD | 1.889 | .5589 | 4.184 | 1.323 | 1.005 | 2.504 | .8525 | .7936 | .3022 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 253.7 | 2918. | 11.38 | 1588. | 113.9 | 5466. | 5135. | 291.4 | 771.1 |
| #2 | 246.0 | 2893. | 12.06 | 1558. | 112.9 | 5210. | 5085. | 287.3 | 766.4 |
| #3 | 245.2 | 2924. | 12.35 | 1548. | 115.2 | 5277. | 5048. | 287.6 | 768.9 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23101. | 36833. | 17650. |
| Stddev | 86. | 564. | 151. |
| %RSD | .37140 | 1.5314 | .85592 |

| | | | |
|----|--------|--------|--------|
| #1 | 23019. | 36183. | 17567. |
| #2 | 23095. | 37185. | 17825. |
| #3 | 23190. | 37133. | 17559. |

Sample Name: AN03694 Acquired: 9/26/2011 23:47:42 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|-----------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.10 | F 121000. | 127200. | 575.4 | 1010. | 6.142 | 39590. | 5.486 | 95.61 | 817.6 |
| Stddev | .41 | 1208. | 173. | 4.1 | 2. | .165 | 182. | .461 | .31 | 1.7 |
| %RSD | 3.714 | .9988 | .1357 | .7054 | .1799 | 2.678 | .4593 | 8.399 | .3205 | .2060 |
| #1 | 11.52 | 120800. | 127200. | 575.3 | 1008. | 6.306 | 39430. | 5.240 | 95.81 | 818.6 |
| #2 | 10.69 | 122300. | 127100. | 571.4 | 1010. | 6.142 | 39540. | 5.201 | 95.26 | 815.7 |
| #3 | 11.09 | 119900. | 127400. | 579.5 | 1011. | 5.977 | 39790. | 6.018 | 95.77 | 818.6 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 65250. | | | | | | | | |
| Low Limit | | -50.00 | | | | | | | | |

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|--------|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1830. | ^ ***** | 260900. | 20580. | 51380. | 4795. | 12800. | 507.1 | 10860. | 18.45 |
| Stddev | 6. | ---- | 1612. | 25. | 81. | 31. | 39. | .5 | 34. | 3.61 |
| %RSD | .3202 | ---- | .6177 | .1195 | .1586 | .6521 | .3029 | .1077 | .3097 | 19.56 |
| #1 | 1834. | ^ ---- | 262700. | 20590. | 51430. | 4800. | 12840. | 507.4 | 10870. | 19.64 |
| #2 | 1834. | ^ ---- | 260500. | 20600. | 51280. | 4762. | 12800. | 506.5 | 10820. | 14.40 |
| #3 | 1824. | ^ ---- | 259600. | 20560. | 51420. | 4824. | 12760. | 507.4 | 10880. | 21.32 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 11.70 | -3.151 | 327.0 | 2767. | 6.777 | 1660. | 80.40 | 4362. | 4132. | 314.2 |
| Stddev | 1.83 | 1.749 | 2.2 | 11. | .138 | 7. | .29 | 20. | 21. | 1.6 |
| %RSD | 15.68 | 55.51 | .6867 | .4061 | 2.033 | .4187 | .3597 | .4696 | .5066 | .5023 |
| #1 | 9.710 | -4.887 | 326.9 | 2771. | 6.934 | 1660. | 80.71 | 4385. | 4144. | 315.3 |
| #2 | 13.32 | -1.389 | 329.3 | 2754. | 6.718 | 1667. | 80.14 | 4353. | 4108. | 314.8 |
| #3 | 12.06 | -3.177 | 324.8 | 2775. | 6.678 | 1653. | 80.36 | 4347. | 4144. | 312.4 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 856.5 |
| Stddev | 2.1 |
| %RSD | .2509 |

| | |
|----|-------|
| #1 | 856.8 |
| #2 | 854.2 |
| #3 | 858.4 |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23664. | 37985. | 17843. |
| Stddev | 106. | 135. | 93. |
| %RSD | .44987 | .35422 | .51864 |

| | | | |
|----|--------|--------|--------|
| #1 | 23678. | 37873. | 17813. |
| #2 | 23763. | 38134. | 17947. |
| #3 | 23551. | 37947. | 17769. |

Sample Name: PBS-2 B19P32 Acquired: 9/26/2011 23:52:51 Type: Unk

Method: PT_MET(v106) Mode: CONC Corr. Factor: 0.098040

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -0342 | -4763 | 1.110 | .0403 | .0961 | .0121 | -1.542 | -0.0170 | -0.0085 | -0.0281 | .1261 |
| Stddev | .0412 | .4560 | .634 | .2083 | .0807 | .0174 | .282 | .0120 | .0445 | .0193 | .0499 |
| %RSD | 120.3 | 95.75 | 57.16 | 517.0 | 84.05 | 143.4 | 18.31 | 70.42 | 524.2 | 68.76 | 39.56 |

| | | | | | | | | | | | |
|----|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|-------|
| #1 | .0113 | .0392 | .7081 | -.0386 | .1395 | -.0033 | -1.237 | -.0110 | -.0233 | -.0127 | .1834 |
| #2 | -.0689 | -.6406 | 1.841 | -.1171 | .1457 | .0087 | -1.595 | -.0307 | -.0436 | -.0218 | .0923 |
| #3 | -.0451 | -.8273 | .7803 | .2766 | .0029 | .0310 | -1.795 | -.0091 | .0415 | -.0498 | .1025 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.727 | 1.393 | -1.264 | -1.477 | .0460 | -14.14 | -.0439 | .1198 | .0621 | .0066 | -.0692 |
| Stddev | 1.009 | .906 | 9.454 | 1.739 | .0260 | .72 | .0080 | .0642 | .0235 | .2908 | .1050 |
| %RSD | 58.40 | 65.03 | 748.0 | 117.8 | 56.57 | 5.115 | 18.18 | 53.53 | 37.88 | 4412. | 151.8 |

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|----|-------|-------|--------|--------|-------|--------|--------|-------|-------|--------|--------|
| #1 | 2.822 | 2.375 | 8.817 | -1.816 | .0758 | -14.13 | -.0526 | .1654 | .0397 | -.0691 | -.0718 |
| #2 | 1.522 | 1.212 | -9.933 | -3.021 | .0339 | -13.42 | -.0369 | .0465 | .0867 | -.2389 | -.1728 |
| #3 | .8365 | .5910 | -2.676 | .4068 | .0282 | -14.87 | -.0421 | .1477 | .0600 | .3278 | .0371 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0422 | -.2023 | -.0507 | .0111 | -.2892 | -.9010 | 1.008 | -.0656 | .0189 |
| Stddev | .0185 | .0150 | .0331 | .0324 | .0182 | .2446 | .633 | .1684 | .1438 |
| %RSD | 43.95 | 7.399 | 65.21 | 291.8 | 6.298 | 27.15 | 62.84 | 256.9 | 759.8 |

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|----|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | -.0597 | -.2189 | -.0246 | .0241 | -.3092 | -1.092 | .2896 | -.2212 | -.1207 |
| #2 | -.0440 | -.1979 | -.0397 | .0350 | -.2850 | -.9861 | 1.248 | .1133 | .0109 |
| #3 | -.0228 | -.1900 | -.0879 | -.0258 | -.2735 | -.6252 | 1.486 | -.0888 | .1666 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22752. | 35886. | 16013. |
| Stddev | 71. | 172. | 360. |
| %RSD | .31160 | .48034 | 2.2491 |

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|----|--------|--------|--------|
| #1 | 22769. | 36041. | 16225. |
| #2 | 22674. | 35916. | 15597. |
| #3 | 22813. | 35700. | 16217. |

Sample Name: WASH Acquired: 9/26/2011 23:57:41 Type: Unk
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .5377 | -20.45 | -22.03 | -2.167 | 1.152 | .0149 | -18.62 | -.0229 | -.3275 | -1.027 | .4338 |
| Stddev | .3704 | 1.26 | 4.65 | 2.504 | .154 | .5458 | 4.86 | .2548 | .3089 | .626 | .5938 |
| %RSD | 68.89 | 6.151 | 21.12 | 115.5 | 13.33 | 3672. | 26.10 | 1111. | 94.31 | 60.95 | 136.9 |

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|----|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|
| #1 | .5602 | -19.14 | -24.66 | -3.724 | 1.104 | -.5589 | -24.07 | .2134 | -.5432 | -.6103 | .0252 |
| #2 | .1565 | -20.56 | -16.66 | .7210 | 1.323 | .5276 | -14.74 | .0107 | .0263 | -.7235 | 1.115 |
| #3 | .8962 | -21.65 | -24.78 | -3.498 | 1.028 | .0758 | -17.06 | -.2929 | -.4656 | -1.746 | .1612 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -18.86 | -24.86 | -41.01 | -52.51 | -.1273 | -163.5 | -1.109 | .8167 | -.2191 | 2.465 | -2.185 |
| Stddev | .93 | 1.99 | 52.98 | 5.89 | .0586 | .7 | .296 | 2.150 | 1.045 | 1.564 | .409 |
| %RSD | 4.911 | 7.996 | 129.2 | 11.22 | 46.03 | .4342 | 26.72 | 263.2 | 477.0 | 63.43 | 18.73 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| #1 | -17.79 | -22.58 | -10.86 | -58.70 | -.0781 | -164.0 | -1.356 | 2.289 | -1.420 | .7797 | -2.323 |
| #2 | -19.38 | -25.80 | -9.971 | -51.87 | -.1921 | -162.7 | -1.191 | 1.812 | .4898 | 2.748 | -2.508 |
| #3 | -19.42 | -26.21 | -102.2 | -46.97 | -.1115 | -163.8 | -.7805 | -1.650 | .2724 | 3.869 | -1.725 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3894 | -2.010 | .0025 | .0243 | -2.673 | -9.964 | 4.039 | -.4854 | .6324 |
| Stddev | .4261 | .073 | .2594 | .1050 | .506 | 2.306 | 13.35 | .3923 | .5382 |
| %RSD | 109.4 | 3.643 | 10320. | 431.7 | 18.92 | 23.14 | 330.5 | 80.82 | 85.11 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| #1 | .0118 | -1.925 | .2572 | -.0823 | -2.546 | -12.12 | 5.157 | -.6296 | .8890 |
| #2 | -.8367 | -2.048 | -.2614 | .0276 | -3.230 | -7.535 | 16.80 | -.0414 | .9944 |
| #3 | -.3434 | -2.056 | .0117 | .1276 | -2.243 | -10.23 | -9.835 | -.7853 | .0139 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23467. | 35889. | 16261. |
| Stddev | 359. | 254. | 473. |
| %RSD | 1.5307 | .70807 | 2.9102 |

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|----|--------|--------|--------|
| #1 | 23542. | 36123. | 16775. |
| #2 | 23782. | 35619. | 15844. |
| #3 | 23076. | 35926. | 16165. |

Sample Name: CCV Acquired: 9/27/2011 0:02:29 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 194.2 | 4618. | 4883. | 202.8 | 205.6 | 185.2 | 5134. | 208.0 | 195.2 | 222.0 | 201.3 |
| Stddev | 1.0 | 30. | 11. | 6.4 | 1.1 | .6 | 9. | 1.4 | 1.0 | 1.3 | .7 |
| %RSD | .4909 | .6423 | .2316 | 3.180 | .5564 | .3178 | .1724 | .6768 | .5211 | .5848 | .3305 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 195.3 | 4652. | 4886. | 197.3 | 206.8 | 185.4 | 5139. | 208.5 | 196.1 | 223.2 | 201.9 |
| #2 | 193.7 | 4602. | 4893. | 209.9 | 205.4 | 185.7 | 5140. | 209.2 | 195.6 | 222.2 | 200.6 |
| #3 | 193.7 | 4599. | 4871. | 201.1 | 204.5 | 184.6 | 5124. | 206.5 | 194.1 | 220.6 | 201.3 |

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|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5380. | 4926. | 5172. | 5104. | 218.4 | 5006. | 201.8 | 210.7 | 189.6 | 211.2 | 196.4 |
| Stddev | 27. | 28. | 49. | 40. | 1.0 | 33. | 1.3 | 1.0 | 2.3 | 1.7 | 2.0 |
| %RSD | .5014 | .5732 | .9429 | .7771 | .4368 | .6597 | .6199 | .4752 | 1.218 | .8203 | 1.007 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5408. | 4947. | 5210. | 5071. | 219.3 | 5044. | 203.3 | 211.9 | 192.2 | 209.5 | 196.5 |
| #2 | 5378. | 4937. | 5188. | 5094. | 218.3 | 4991. | 201.3 | 210.1 | 188.5 | 212.9 | 198.4 |
| #3 | 5354. | 4894. | 5117. | 5148. | 217.4 | 4984. | 201.0 | 210.2 | 188.0 | 211.1 | 194.4 |

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|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 205.4 | 230.4 | 194.3 | 198.7 | 187.0 | 5145. | 4924. | 205.6 | 212.1 |
| Stddev | 1.8 | 1.8 | 1.7 | 1.2 | .5 | 30. | 23. | .4 | .7 |
| %RSD | .8863 | .7878 | .8510 | .5970 | .2591 | .5848 | .4578 | .2149 | .3172 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 207.5 | 230.4 | 195.4 | 200.0 | 187.1 | 5180. | 4909. | 205.9 | 212.0 |
| #2 | 204.6 | 232.1 | 195.0 | 198.2 | 187.4 | 5129. | 4913. | 205.7 | 212.8 |
| #3 | 204.1 | 228.5 | 192.4 | 197.8 | 186.5 | 5126. | 4950. | 205.1 | 211.5 |

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|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23299. | 37078. | 16413. |
| Stddev | 145. | 414. | 117. |
| %RSD | .62085 | 1.1164 | .71430 |

| | | | |
|----|--------|--------|--------|
| #1 | 23260. | 36662. | 16500. |
| #2 | 23459. | 37080. | 16280. |
| #3 | 23177. | 37490. | 16460. |

Sample Name: CCB Acquired: 9/27/2011 0:07:05 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5482 | -18.11 | -37.83 | -2.598 | 1.161 | -1448 | -18.63 | -0900 | -2891 | -8066 | .0135 |
| Stddev | .3769 | 1.16 | 32.57 | 2.433 | .261 | .3660 | 5.66 | .0988 | .1146 | .6903 | .3526 |
| %RSD | 68.76 | 6.404 | 86.10 | 93.66 | 22.51 | 252.8 | 30.37 | 109.8 | 39.64 | 85.58 | 2603. |
| #1 | -1627 | -17.75 | -.9441 | -5.159 | .8721 | -.5659 | -24.70 | -.1974 | -.4065 | -1.591 | -.2352 |
| #2 | -.5659 | -17.16 | -62.63 | -2.316 | 1.230 | .0353 | -17.68 | -.0699 | -.2834 | -.2922 | -.1412 |
| #3 | -.9159 | -19.40 | -49.90 | -.3178 | 1.381 | .0963 | -13.51 | -.0028 | -.1775 | -.5365 | .4170 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -13.60 | -17.80 | -32.66 | -25.57 | -.0560 | -170.3 | -.2173 | -.4013 | -3.440 | 3.421 | -3.545 |
| Stddev | .56 | 3.15 | 57.79 | 17.60 | .0313 | 7.9 | .1770 | 3.033 | 2.631 | 1.441 | .411 |
| %RSD | 4.120 | 17.67 | 176.9 | 68.85 | 55.88 | 4.665 | 81.48 | 756.0 | 76.49 | 42.12 | 11.61 |
| #1 | -13.73 | -14.17 | -50.00 | -43.79 | -.0231 | -165.5 | -.2764 | -1.650 | -2.968 | 5.069 | -3.221 |
| #2 | -12.99 | -19.59 | 31.81 | -24.25 | -.0595 | -166.0 | -.3572 | 3.057 | -1.077 | 2.399 | -3.405 |
| #3 | -14.08 | -19.65 | -79.80 | -8.661 | -.0854 | -179.5 | -.0182 | -2.611 | -6.275 | 2.796 | -4.008 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4786 | .4560 | -.5210 | -.0348 | -2.474 | -11.18 | 7.160 | .2495 | .7424 |
| Stddev | .5176 | .0597 | .0651 | .0343 | .376 | .87 | 13.72 | .5847 | .7424 |
| %RSD | 108.2 | 13.09 | 12.49 | 98.53 | 15.20 | 7.787 | 191.6 | 234.4 | 100.0 |
| #1 | -.7414 | .3958 | -.4654 | -.0421 | -2.039 | -11.67 | 13.81 | .0342 | -.1148 |
| #2 | -.8120 | .5151 | -.5926 | -.0649 | -2.693 | -11.71 | -8.617 | .9113 | 1.185 |
| #3 | .1178 | .4572 | -.5050 | .0026 | -2.689 | -10.18 | 16.28 | -.1971 | 1.157 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23240. | 36593. | 16522. |
| Stddev | 384. | 59. | 315. |
| %RSD | 1.6515 | .16240 | 1.9077 |
| #1 | 22954. | 36525. | 16520. |
| #2 | 23090. | 36615. | 16207. |
| #3 | 23676. | 36637. | 16838. |

Sample Name: CCV Acquired: 9/27/2011 0:11:52 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 198.8 | 4754. | 4917. | 206.0 | 208.0 | 183.1 | 5188. | 211.6 | 196.9 | 228.5 | 203.0 |
| Stddev | 1.4 | 23. | 43. | 4.2 | 1.7 | 1.2 | 15. | 1.2 | .0 | .8 | 1.6 |
| %RSD | .7193 | .4786 | .8699 | 2.030 | .7930 | .6349 | .2802 | .5546 | .0182 | .3601 | .8097 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 200.1 | 4778. | 4965. | 203.1 | 209.9 | 184.4 | 5203. | 210.7 | 196.9 | 227.9 | 204.6 |
| #2 | 197.2 | 4732. | 4884. | 210.8 | 206.7 | 182.3 | 5174. | 213.0 | 196.9 | 228.2 | 201.3 |
| #3 | 199.1 | 4751. | 4901. | 204.1 | 207.5 | 182.5 | 5187. | 211.2 | 196.9 | 229.5 | 203.2 |

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|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5556. | 4970. | 5138. | 5157. | 224.4 | 5031. | 205.0 | 214.2 | 190.7 | 218.2 | 197.0 |
| Stddev | 14. | 30. | 66. | 39. | .2 | 69. | 1.3 | 1.0 | 1.1 | 2.6 | 3.0 |
| %RSD | .2433 | .5960 | 1.288 | .7503 | .0934 | 1.377 | .6155 | .4739 | .5524 | 1.213 | 1.507 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5570. | 5004. | 5201. | 5118. | 224.5 | 5111. | 206.5 | 213.3 | 190.2 | 219.6 | 194.5 |
| #2 | 5543. | 4957. | 5069. | 5157. | 224.1 | 4997. | 204.7 | 215.3 | 191.9 | 220.0 | 196.2 |
| #3 | 5555. | 4950. | 5144. | 5195. | 224.4 | 4986. | 204.0 | 214.1 | 189.9 | 215.2 | 200.3 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 212.5 | 239.0 | 195.1 | 201.2 | 186.1 | 5329. | 4960. | 211.8 | 217.7 |
| Stddev | 1.2 | 1.9 | .1 | .5 | .7 | 29. | 45. | .7 | 1.2 |
| %RSD | .5680 | .8022 | .0524 | .2537 | .3808 | .5464 | .9140 | .3473 | .5336 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 213.1 | 239.4 | 195.0 | 201.5 | 185.6 | 5353. | 5004. | 212.3 | 218.8 |
| #2 | 211.1 | 240.7 | 195.2 | 200.6 | 186.9 | 5297. | 4914. | 210.9 | 216.5 |
| #3 | 213.2 | 236.9 | 195.2 | 201.5 | 185.8 | 5337. | 4963. | 212.1 | 217.9 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23639. | 36449. | 15880. |
| Stddev | 512. | 544. | 216. |
| %RSD | 2.1666 | 1.4917 | 1.3589 |

| | | | |
|----|--------|--------|--------|
| #1 | 23930. | 36658. | 16082. |
| #2 | 23939. | 36857. | 15907. |
| #3 | 23047. | 35832. | 15653. |

Sample Name: CCB Acquired: 9/27/2011 0:16:27 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2741 | -17.77 | -13.40 | -1.409 | .5513 | .1302 | -17.83 | -.0837 | -.0494 | -.5527 | .9289 |
| Stddev | .8011 | .94 | 4.51 | .859 | .1822 | .3708 | 2.53 | .0669 | .1456 | .6452 | .2581 |
| %RSD | 292.3 | 5.272 | 33.68 | 60.97 | 33.05 | 284.8 | 14.21 | 79.95 | 294.4 | 116.7 | 27.79 |
| #1 | .4237 | -16.95 | -14.99 | -1.108 | .5321 | .4137 | -20.36 | -.1476 | -.2080 | .0645 | 1.220 |
| #2 | -1.149 | -17.57 | -8.309 | -.7414 | .7424 | .2662 | -17.83 | -.0142 | -.0186 | -.5001 | .7264 |
| #3 | -.0970 | -18.79 | -16.91 | -2.379 | .3795 | -.2894 | -15.29 | -.0891 | .0782 | -1.223 | .8408 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -14.23 | -17.95 | -46.34 | -35.82 | -.0599 | -164.9 | -.2897 | -.2208 | -3.290 | .1079 | -1.309 |
| Stddev | .77 | 2.54 | 60.01 | 10.63 | .0117 | 9.8 | .7000 | 1.320 | 1.252 | 1.827 | 1.681 |
| %RSD | 5.406 | 14.13 | 129.5 | 29.67 | 19.47 | 5.933 | 241.6 | 597.8 | 38.06 | 1694. | 128.4 |
| #1 | -14.04 | -20.29 | -79.80 | -33.73 | -.0601 | -153.8 | .4019 | -1.150 | -1.912 | -1.909 | -.4243 |
| #2 | -13.57 | -15.25 | -82.15 | -47.34 | -.0481 | -172.2 | -.9978 | -.8021 | -3.601 | .5806 | -.2559 |
| #3 | -15.07 | -18.30 | 22.94 | -26.40 | -.0715 | -168.6 | -.2733 | 1.290 | -4.358 | 1.652 | -3.248 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0705 | .4981 | .1191 | .1098 | -1.215 | -12.88 | 7.122 | .2080 | 1.542 |
| Stddev | .0952 | .3780 | .0482 | .1572 | .243 | 4.69 | 10.93 | .7369 | .954 |
| %RSD | 135.0 | 75.90 | 40.50 | 143.2 | 19.99 | 36.44 | 153.4 | 354.2 | 61.83 |
| #1 | .0790 | .5583 | .1731 | .2206 | -1.265 | -17.78 | 16.71 | .5938 | 2.346 |
| #2 | -.0287 | .8424 | .1039 | -.0701 | -1.429 | -12.46 | -4.775 | -.6416 | 1.792 |
| #3 | .1612 | .0936 | .0803 | .1789 | -.9511 | -8.415 | 9.429 | .6719 | .4887 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23317. | 37300. | 17073. |
| Stddev | 71. | 460. | 308. |
| %RSD | .30297 | 1.2326 | 1.8053 |
| #1 | 23334. | 37599. | 16879. |
| #2 | 23378. | 36771. | 16912. |
| #3 | 23239. | 37531. | 17428. |

Sample Name: RL Acquired: 9/27/2011 0:21:15 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.781 | 75.59 | F 53.63 | 7.796 | 104.9 | 3.169 | 494.2 | 2.851 | 20.13 | 5.278 | 11.13 |
| Stddev | .424 | 1.60 | 8.97 | .921 | 1.0 | .266 | 11.3 | .173 | .09 | .104 | .42 |
| %RSD | 8.873 | 2.119 | 16.73 | 11.81 | .9974 | 8.383 | 2.278 | 6.070 | .4520 | 1.962 | 3.798 |
| #1 | 5.256 | 75.81 | 61.39 | 8.672 | 103.7 | 3.475 | 483.4 | 2.843 | 20.04 | 5.363 | 10.73 |
| #2 | 4.440 | 73.89 | 43.81 | 6.836 | 105.8 | 3.001 | 505.8 | 3.027 | 20.15 | 5.162 | 11.57 |
| #3 | 4.648 | 77.07 | 55.70 | 7.879 | 105.2 | 3.030 | 493.3 | 2.682 | 20.22 | 5.308 | 11.09 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | 100.0 | | | | | | | | |
| Range | | | -30.00% | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 35.28 | F 30.30 | 493.9 | 483.5 | 5.666 | 875.1 | 19.65 | 9.768 | 14.65 | 22.76 | 19.67 |
| Stddev | .43 | .97 | 39.1 | 12.1 | .066 | 14.8 | .70 | 3.274 | 3.39 | 1.94 | 1.32 |
| %RSD | 1.206 | 3.197 | 7.916 | 2.496 | 1.165 | 1.688 | 3.557 | 33.52 | 23.12 | 8.510 | 6.722 |
| #1 | 35.17 | 29.44 | 505.8 | 492.8 | 5.604 | 892.1 | 19.77 | 13.42 | 16.65 | 20.69 | 19.73 |
| #2 | 34.92 | 30.13 | 450.3 | 487.9 | 5.658 | 865.4 | 20.28 | 7.099 | 10.74 | 24.53 | 20.95 |
| #3 | 35.75 | 31.35 | 525.7 | 469.9 | 5.736 | 867.8 | 18.90 | 8.784 | 16.56 | 23.05 | 18.31 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | 50.00 | | | | | | | | | |
| Range | | -30.00% | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.11 | 20.08 | 9.901 | 10.39 | 7.430 | 515.7 | 463.6 | 10.92 | 10.54 |
| Stddev | .72 | .20 | .801 | .21 | .653 | 2.2 | 7.2 | .21 | .75 |
| %RSD | 3.410 | .9944 | 8.089 | 2.017 | 8.787 | .4250 | 1.546 | 1.920 | 7.108 |
| #1 | 21.93 | 20.03 | 10.61 | 10.21 | 7.230 | 515.1 | 467.2 | 11.16 | 9.714 |
| #2 | 20.59 | 20.30 | 9.034 | 10.62 | 8.160 | 518.1 | 455.4 | 10.83 | 11.17 |
| #3 | 20.80 | 19.91 | 10.06 | 10.33 | 6.901 | 513.9 | 468.3 | 10.77 | 10.74 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22452. | 35354. | 16350. |
| Stddev | 141. | 186. | 183. |
| %RSD | .62864 | .52709 | 1.1183 |
| #1 | 22321. | 35567. | 16500. |
| #2 | 22433. | 35272. | 16404. |
| #3 | 22601. | 35222. | 16147. |

Sample Name: 2RL Acquired: 9/27/2011 0:26:02 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.04 | 171.4 | 175.3 | 16.67 | 211.7 | 6.125 | 1011. | 6.079 | 40.01 | 11.07 | 21.54 |
| Stddev | .43 | 2.4 | 18.2 | 1.48 | 1.4 | .388 | 6. | .162 | .38 | .11 | .45 |
| %RSD | 4.258 | 1.406 | 10.40 | 8.857 | .6633 | 6.330 | .5946 | 2.663 | .9426 | .9508 | 2.079 |
| #1 | 10.11 | 174.1 | 155.6 | 15.21 | 213.2 | 6.502 | 1013. | 6.028 | 40.22 | 11.15 | 21.50 |
| #2 | 10.44 | 170.5 | 178.8 | 16.63 | 211.4 | 5.728 | 1004. | 6.261 | 39.57 | 10.95 | 22.01 |
| #3 | 9.588 | 169.5 | 191.5 | 18.16 | 210.5 | 6.146 | 1015. | 5.949 | 40.23 | 11.12 | 21.12 |

Check ?
Value
Range

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 89.40 | 73.61 | 1037. | 993.0 | 11.40 | 1918. | 39.91 | 18.48 | 32.97 | 43.83 | 38.60 |
| Stddev | 2.37 | 1.63 | 49. | 19.4 | .20 | 14. | .44 | 1.31 | 1.88 | 1.48 | 1.40 |
| %RSD | 2.651 | 2.216 | 4.758 | 1.953 | 1.748 | .7108 | 1.093 | 7.081 | 5.702 | 3.379 | 3.615 |
| #1 | 92.12 | 75.00 | 1042. | 1005. | 11.63 | 1933. | 40.05 | 19.42 | 32.61 | 43.67 | 38.26 |
| #2 | 87.76 | 71.81 | 1084. | 970.6 | 11.25 | 1915. | 39.42 | 19.03 | 35.01 | 42.43 | 37.40 |
| #3 | 88.32 | 74.01 | 985.8 | 1003. | 11.32 | 1906. | 40.25 | 16.98 | 31.30 | 45.38 | 40.13 |

Check ?
Value
Range

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 42.17 | 43.46 | 20.13 | 20.98 | 17.48 | 1043. | 986.8 | 21.61 | 22.14 |
| Stddev | .24 | .21 | .46 | .49 | .53 | 17. | 18.4 | .77 | 1.32 |
| %RSD | .5759 | .4744 | 2.290 | 2.356 | 3.026 | 1.620 | 1.861 | 3.550 | 5.967 |
| #1 | 42.38 | 43.23 | 19.76 | 21.55 | 18.05 | 1062. | 979.5 | 22.39 | 21.70 |
| #2 | 41.90 | 43.60 | 20.65 | 20.67 | 17.00 | 1032. | 1008. | 20.86 | 21.10 |
| #3 | 42.23 | 43.57 | 19.99 | 20.72 | 17.41 | 1034. | 973.3 | 21.58 | 23.63 |

Check ?
Value
Range

☐ Chk Pass ☐ Chk Pass ☐ Chk Pass ☐ Chk Pass ☐ Chk Pass ☐ Chk Pass ☐ Chk Pass ☐ Chk Pass

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22672. | 35449. | 16381. |
| Stddev | 235. | 451. | 256. |
| %RSD | 1.0374 | 1.2725 | 1.5601 |
| #1 | 22412. | 34955. | 16465. |
| #2 | 22870. | 35840. | 16585. |
| #3 | 22734. | 35552. | 16094. |

Sample Name: IOS Acquired: 9/27/2011 0:30:48 Type: QC
Method: PT_MET(v106) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6435 | 272900. | 292700. | -2.634 | .8226 | .7094 | 296900. | -1.737 | -1.412 | -.3794 | 5.143 |
| Stddev | .5413 | 696. | 938. | 4.725 | .4758 | .1217 | 2545. | .134 | .622 | .5554 | 1.016 |
| %RSD | 84.12 | .2550 | .3204 | 179.4 | 57.84 | 17.16 | .8572 | 7.734 | 44.02 | 146.4 | 19.75 |
| #1 | -.1033 | 273600. | 291700. | -2.372 | .6335 | .5833 | 298700. | -1.821 | -1.938 | -.2359 | 4.142 |
| #2 | -.6414 | 272600. | 292800. | -7.485 | .4704 | .8262 | 298000. | -1.582 | -1.573 | .0901 | 6.173 |
| #3 | -1.186 | 272300. | 293600. | 1.954 | 1.364 | .7187 | 294000. | -1.809 | -.7262 | -.9925 | 5.113 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | ^ ***** | 285400. | 74.24 | 295800. | -.0350 | 307200. | -1.452 | 7.884 | .2920 | -6.062 | .8131 |
| Stddev | ---- | 4925. | 86.70 | 442. | .0792 | 4750. | 1.527 | 2.179 | 1.298 | 1.656 | 3.130 |
| %RSD | ---- | 1.726 | 116.8 | .1493 | 226.4 | 1.546 | 105.1 | 27.64 | 444.5 | 27.31 | 384.9 |
| #1 | ^ ---- | 283100. | -14.20 | 296300. | .0325 | 312700. | -1.780 | 9.695 | -.1813 | -5.850 | 3.264 |
| #2 | ^ ---- | 282000. | 77.81 | 295500. | -.1221 | 304400. | -2.788 | 5.466 | -.7028 | -7.813 | -2.713 |
| #3 | ^ ---- | 291000. | 159.1 | 295500. | -.0153 | 304500. | .2119 | 8.493 | 1.760 | -4.522 | 1.888 |

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3432 | -1.809 | -2.133 | 1.552 | -8.592 | -25.47 | -21.16 | .7516 | 2.579 |
| Stddev | .3435 | .361 | .301 | .084 | .469 | 4.45 | 11.99 | 1.117 | 1.817 |
| %RSD | 100.1 | 19.96 | 14.13 | 5.387 | 5.453 | 17.47 | 56.67 | 148.6 | 70.46 |
| #1 | -.6096 | -1.689 | -2.401 | 1.647 | -8.052 | -21.36 | -18.63 | -.3429 | 3.674 |
| #2 | .0444 | -2.215 | -1.806 | 1.518 | -8.890 | -30.19 | -34.21 | 1.889 | .4812 |
| #3 | -.4646 | -1.523 | -2.192 | 1.490 | -8.833 | -24.84 | -10.63 | .7084 | 3.581 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20494. | 33396. | 16205. |
| Stddev | 48. | 130. | 63. |
| %RSD | .23266 | .38910 | .38851 |
| #1 | 20514. | 33422. | 16202. |
| #2 | 20439. | 33511. | 16270. |
| #3 | 20528. | 33255. | 16144. |

ICP-AES QA/QC CHECKLIST

Page 1 of 2Project Name Jewett White Lead Project No. 11070033Date(s) of Sample Analysis 09/28/11 Date(s) of Sample Prep. 09/24/11 & 09/25/11Preparer(s): R. Recto Analyst(s): R. Recto(Circle) Matrix: Aqueous Solid Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: Na, Fe, Zn, and Pb)

| | YES | NO | N/A |
|---|-------------------------------------|----|-----|
| A. Analysis performed within holding time of 6 months? | <input checked="" type="checkbox"/> | | |
| B. At least a two point standardization performed? | <input checked="" type="checkbox"/> | | |
| C. ICV run immediately after calibration? | <input checked="" type="checkbox"/> | | |
| D. ICV $\pm 10\%$ for each element of interest? | <input checked="" type="checkbox"/> | | |
| E. % RSD of the 3 ICV replicates $< 20\%$? | <input checked="" type="checkbox"/> | | |
| F. ICB $<$ the Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | | |
| G. RLs (IPC Low Level) within control limits ($\pm 30\%$ RL)? | <input checked="" type="checkbox"/> | | |
| H. IOS concentrations within $\pm 20\%$ of the T.V. for all Spiked elements? | <input checked="" type="checkbox"/> | | |
| I. IOS concentrations $<$ Reporting Limit for all Non-Spiked elements? | <input checked="" type="checkbox"/> | | |
| J. CCV / CCB run at a maximum of 10 samples? | <input checked="" type="checkbox"/> | | |
| K. CCVs within $\pm 20\%$ of the T.V. for non-NPDES projects ($\pm 10\%$ for NPDES)? | <input checked="" type="checkbox"/> | | |
| L. CCBs $<$ the Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | | |

II. DIGESTION BATCH QC: (for the elements of interest stated above)

| | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| A. Prep Blank $<$ Reporting Limit for all elements of interest? | <input checked="" type="checkbox"/> | | |
| B. Avg. % Recovery of 2 Aqueous LCSs within $\pm 20\%$ of T.V. for all elements of interest? ($\pm 25\%$ for Solid LCSs or within control limits) | <input checked="" type="checkbox"/> | | |
| C. RPD of the 2 LCSs $< 20\%$ for all elements of interest? ($\pm 25\%$ for Solid LCSs)? | <input checked="" type="checkbox"/> | | |
| D. % Recovery of the Matrix Spike $\pm 20\%$ for all elements of interest? ($\pm 25\%$ for Solid)? | | <input checked="" type="checkbox"/> | |
| E. Was the % Difference between the MS and the Serial Dilution within $\pm 10.0\%$? | | <input checked="" type="checkbox"/> | |
| F. Thallium results $<$ Reporting Limit for all non-spiked samples in this particular project | | | <input checked="" type="checkbox"/> |
| G. For samples with results $>$ Reporting Limit, was the % RSD $< 20\%$? | <input checked="" type="checkbox"/> | | |
| H. Any QA/QC qualifiers? If YES (explain on next page) | | <input checked="" type="checkbox"/> | |
| I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs? | <input checked="" type="checkbox"/> | | |

Completed By: R. RectoDate: 09/29/11Peer Review: Yelena KhushfDate: 10/12/11

QUALIFIERS and SPECIAL COMMENTS

Page 2 of 2

Project Name: JEWETT WHITE LEAD

Project # 11070033

Twenty (20) aqueous samples (9 ADs + 11ATs) were diluted 10X and re-analyzed for **Na**, whereas three (3) soils were diluted 10X and re-analyzed for **Fe, Zn or Ca, Pb** by ICP-AES on 09/28/11.

Reported results:

A) Aqueous

10X dilution → **Na** → AD = Aqueous Dissolved: AN03637, AN03639, AN03641, AN03643, AN03645, AN03647, AN03649, AN03651, AN03656

10X dilution → **Na** → AT = Aqueous Total: AN03638, AN03640, AN03642, AN03644, AN03646, AN03648, AN03650, AN03652, AN03653, AN03654, AN03655

Preparation Blank (PBW), Laboratory Control Sample (LCSW), Matrix Spike (MS), and Serial Dilution (SDL) were reported for **Na** also.

Note: The % MS recoveries and % Differences (MS vs. SDL) for both Aqueous Dissolved and Aqueous Total were not evaluated (considered not applicable) since the original **Na** results were > LDR.

B) Soils

10X dilution → **Fe, Zn** → AN03675, AN03676

10X dilution → **Ca, Pb** → AN03678

| ELEMENT | TRUE VALUE | ICV | %REC | FLAG | REP. LIMIT | ICB | FLAG |
|---------|---------------|-------------|-------|------|------------|-------------|------|
| | ug/L | 28 Sep 2011 | | | ug/L | 28 Sep 2011 | |
| | | 09:40:03 | | | | 09:44:47 | |
| Ag3280 | 200 | 192.9 | 96.5 | PASS | 5 | -0.016 | PASS |
| Al3082A | 5000 | 4682 | 93.6 | PASS | 100 | -3.275 | PASS |
| Al3082R | 5000 | 4832 | 96.6 | PASS | 100 | -1.48 | PASS |
| As1890 | 200 | 195.8 | 97.9 | PASS | 8 | 0.8639 | PASS |
| Ba4554R | 200 | 197.2 | 98.6 | PASS | 100 | 0.2832 | PASS |
| Be3131R | 200 | 195.7 | 97.9 | PASS | 3 | 0.1669 | PASS |
| Ca3179R | 5000 | 5060 | 101.2 | PASS | 500 | -4.745 | PASS |
| Cd2265 | 200 | 201.2 | 100.6 | PASS | 3 | 0.0965 | PASS |
| Co2286 | 200 | 196.2 | 98.1 | PASS | 20 | 0.1136 | PASS |
| Cr2677 | 200 | 209.7 | 104.9 | PASS | 5 | -0.4111 | PASS |
| Cu3247 | 200 | 209.7 | 104.9 | PASS | 5 | -0.0547 | PASS |
| Fe2599A | 5000 | 5101 | 102.0 | PASS | 50 | -1.606 | PASS |
| Fe2599R | 5000 | 5060 | 101.2 | PASS | 50 | -4.948 | PASS |
| K_7664R | 5000 | 4977 | 99.5 | PASS | 500 | -91.55 | PASS |
| Mg2790R | 5000 | 5088 | 101.8 | PASS | 500 | 3.92 | PASS |
| Mn2576 | 200 | 211.7 | 105.9 | PASS | 5 | 0.0403 | PASS |
| Na5895R | 5000 | 4934 | 98.7 | PASS | 1000 | -114.4 | PASS |
| Ni2316 | 200 | 200.5 | 100.3 | PASS | 20 | -0.1088 | PASS |
| Pb2203 | 200 | 199.6 | 99.8 | PASS | 8 | 0.1888 | PASS |
| Sb2068 | 200 | 198.5 | 99.3 | PASS | 20 | 0.3218 | PASS |
| Se1960 | 200 | 198.3 | 99.2 | PASS | 20 | -3.359 | PASS |
| Ti1908 | 200 | 199 | 99.5 | PASS | 20 | -2.119 | PASS |
| V_2924 | 200 | 199.3 | 99.7 | PASS | 20 | 0.0887 | PASS |
| Zn2062 | 200 | 202.8 | 101.4 | PASS | 20 | -4.652 | PASS |
| Mo2020 | 200 | 201.1 | 100.6 | PASS | 10 | 0.0976 | PASS |
| Ti3372 | 200 | 204.2 | 102.1 | PASS | 10 | -0.1699 | PASS |
| B_2089 | 200 | 200.8 | 100.4 | PASS | 10 | 1.986 | PASS |
| Si2881A | 5000 | 4950 | 99.0 | PASS | 500 | -0.2268 | PASS |
| Si2881R | 5000 | 4955 | 99.1 | PASS | 500 | 14.29 | PASS |
| Sr3464 | 200 | 197.4 | 98.7 | PASS | 10 | -0.043 | PASS |
| Sn1899 | 200 | 202 | 101.0 | PASS | 10 | -0.4896 | PASS |

| ELEMENT | TRUE VALUE | ACCEPTANCE LIMITS | | RL START | %REC | FLAG | RL END | %REC | FLAG |
|---------|---------------|----------------------|------|-------------|-------|------|-------------|---------|---------|
| | ug/L | ug/L | ug/L | 28 Sep 2011 | | | 28 Sep 2011 | | |
| | | | | 09:49:38 | | | 13:47:37 | | |
| Ag3280 | 5 | 3.5 | 6.5 | 4.922 | 98.4 | PASS | 4.51 | 90.2 | PASS |
| Al3082A | 100 | 70.0 | 130 | 88.13 | 88.1 | PASS | 84.65 | 84.7 | PASS |
| Al3082R | 100 | 70.0 | 130 | 97.27 | 97.3 | PASS | 96.27 | 96.3 | PASS |
| As1890 | 8 | 5.6 | 10.4 | 7.915 | 98.9 | PASS | 8.107 | 101.3 | PASS |
| Ba4554R | 100 | 70.0 | 130 | 100.6 | 100.6 | PASS | 99.66 | 99.7 | PASS |
| Be3131R | 3 | 2.1 | 3.9 | 3.023 | 100.8 | PASS | 3.081 | 102.7 | PASS |
| Ca3179R | 500 | 350 | 650 | 501.6 | 100.3 | PASS | 504.1 | 100.8 | PASS |
| Cd2265 | 3 | 2.1 | 3.9 | 3.037 | 101.2 | PASS | 3.196 | 106.5 | PASS |
| Co2286 | 20 | 14.0 | 26.0 | 20.21 | 101.1 | PASS | 20.11 | 100.6 | PASS |
| Cr2677 | 5 | 3.5 | 6.5 | 4.859 | 97.2 | PASS | 5.778 | 115.6 | PASS |
| Cu3247 | 10 | 7.0 | 13.0 | 10.3 | 103.0 | PASS | 10.08 | 100.8 | PASS |
| Fe2599A | 50 | 35.0 | 65.0 | 51.01 | 102.0 | PASS | 54.01 | 108.0 | PASS |
| Fe2599R | 50 | 35.0 | 65.0 | 50.43 | 100.9 | PASS | 47.74 | 95.5 | PASS |
| K_7664R | 500 | 350 | 650 | 432.9 | 86.6 | PASS | F 327.3 | #VALUE! | #VALUE! |
| Mg2790R | 500 | 350 | 650 | 525.4 | 105.1 | PASS | 524.5 | 104.9 | PASS |
| Mn2576 | 5 | 3.5 | 6.5 | 5.355 | 107.1 | PASS | 5.604 | 112.1 | PASS |
| Na5895R | 1000 | 700 | 1300 | 875.5 | 87.6 | PASS | 886.4 | 88.6 | PASS |
| Ni2316 | 20 | 14.0 | 26.0 | 20.4 | 102.0 | PASS | 20.81 | 104.1 | PASS |
| Pb2203 | 8 | 5.6 | 10.4 | 10.37 | 129.6 | PASS | 9.853 | 123.2 | PASS |
| Sb2068 | 20 | 14.0 | 26.0 | 18.14 | 90.7 | PASS | 17.95 | 89.8 | PASS |
| Se1960 | 20 | 14.0 | 26.0 | 19.47 | 97.4 | PASS | 18.37 | 91.9 | PASS |
| Ti1908 | 20 | 14.0 | 26.0 | 20.72 | 103.6 | PASS | 18.59 | 93.0 | PASS |
| V_2924 | 20 | 14.0 | 26.0 | 20.35 | 101.8 | PASS | 20.52 | 102.6 | PASS |
| Zn2062 | 20 | 14.0 | 26.0 | 14.28 | 71.4 | PASS | 15.34 | 76.7 | PASS |
| Mo2020 | 10 | 7.0 | 13.0 | 10.31 | 103.1 | PASS | 9.948 | 99.5 | PASS |
| Ti3372 | 10 | 7.0 | 13.0 | 10.1 | 101.0 | PASS | 9.98 | 99.8 | PASS |
| B_2089 | 10 | 7.0 | 13.0 | 9.707 | 97.1 | PASS | F 6.944 | #VALUE! | #VALUE! |
| Si2881A | 500 | 350 | 650 | 487.4 | 97.5 | PASS | 475.8 | 95.2 | PASS |
| Si2881R | 500 | 350 | 650 | 503.2 | 100.6 | PASS | 476.4 | 95.3 | PASS |
| Sr3464 | 10 | 7.0 | 13.0 | 10.8 | 108.0 | PASS | 11.08 | 110.8 | PASS |
| Sn1899 | 10 | 7.0 | 13.0 | 11.06 | 110.6 | PASS | 10.67 | 106.7 | PASS |

| ELEMENT | TRUE VALUE | ACCEPTANCE LIMITS | | 2RL START | %REC | FLAG | 2RL END | %REC | FLAG |
|---------|---------------|----------------------|------|--------------|-------|------|-------------|-------|------|
| | ug/L | ug/L | ug/L | 28 Sep 2011 | | | 28 Sep 2011 | | |
| | | | | 09:54:27 | | | 13:52:25 | | |
| Ag3280 | 10 | 7.0 | 13.0 | 9.956 | 99.6 | PASS | 9.996 | 100.0 | PASS |
| Al3082A | 200 | 140 | 260 | 181.9 | 91.0 | PASS | 174.3 | 87.2 | PASS |
| Al3082R | 200 | 140 | 260 | 178.4 | 89.2 | PASS | 186.8 | 93.4 | PASS |
| As1890 | 16 | 11.2 | 20.8 | 16.34 | 102.1 | PASS | 15.21 | 95.1 | PASS |
| Ba4554R | 200 | 140 | 260 | 201.3 | 100.7 | PASS | 198.7 | 99.4 | PASS |
| Be3131R | 6 | 4.2 | 7.8 | 5.957 | 99.3 | PASS | 6.142 | 102.4 | PASS |
| Ca3179R | 1000 | 700 | 1300 | 1023 | 102.3 | PASS | 1027 | 102.7 | PASS |
| Cd2265 | 6 | 4.2 | 7.8 | 6.048 | 100.8 | PASS | 6.423 | 107.1 | PASS |
| Co2286 | 40 | 28.0 | 52.0 | 40.65 | 101.6 | PASS | 40.53 | 101.3 | PASS |
| Cr2677 | 10 | 7.0 | 13.0 | 11.43 | 114.3 | PASS | 11.31 | 113.1 | PASS |
| Cu3247 | 20 | 16.0 | 24 | 21.12 | 105.6 | PASS | 20.22 | 101.1 | PASS |
| Fe2599A | 100 | 70.0 | 130 | 101.2 | 101.2 | PASS | 109.1 | 109.1 | PASS |
| Fe2599R | 100 | 70.0 | 130 | 99.43 | 99.4 | PASS | 98.16 | 98.2 | PASS |
| K_7664R | 1000 | 700 | 1300 | 910.4 | 91.0 | PASS | 910.5 | 91.1 | PASS |
| Mg2790R | 1000 | 700 | 1300 | 1046 | 104.6 | PASS | 1085 | 108.5 | PASS |
| Mn2576 | 10 | 7.0 | 13.0 | 10.86 | 108.6 | PASS | 11.56 | 115.6 | PASS |
| Na5895R | 2000 | 1400 | 2600 | 1876 | 93.8 | PASS | 1865 | 93.3 | PASS |
| Ni2316 | 40 | 28.0 | 52.0 | 40.7 | 101.8 | PASS | 40.65 | 101.6 | PASS |
| Pb2203 | 16 | 11.2 | 20.8 | 18.18 | 113.6 | PASS | 17.98 | 112.4 | PASS |
| Sb2068 | 40 | 28.0 | 52.0 | 40.35 | 100.9 | PASS | 39.1 | 97.8 | PASS |
| Se1960 | 40 | 28.0 | 52.0 | 38.58 | 96.5 | PASS | 41.3 | 103.3 | PASS |
| Ti1908 | 40 | 28.0 | 52.0 | 38.99 | 97.5 | PASS | 38.85 | 97.1 | PASS |
| V_2924 | 40 | 28.0 | 52.0 | 40.77 | 101.9 | PASS | 41.74 | 104.4 | PASS |
| Zn2062 | 40 | 28.0 | 52.0 | 36.89 | 92.2 | PASS | 39.42 | 98.6 | PASS |
| Mo2020 | 20 | 14.0 | 26.0 | 20.6 | 103.0 | PASS | 20.08 | 100.4 | PASS |
| Ti3372 | 20 | 14.0 | 26.0 | 20.52 | 102.6 | PASS | 20.44 | 102.2 | PASS |
| B_2089 | 20 | 14.0 | 26.0 | 19.82 | 99.1 | PASS | 16.11 | 80.6 | PASS |
| Si2881A | 1000 | 700 | 1300 | 987.1 | 98.7 | PASS | 995.7 | 99.6 | PASS |
| Si2881R | 1000 | 700 | 1300 | 998.3 | 99.8 | PASS | 983.4 | 98.3 | PASS |
| Sr3464 | 20 | 14.0 | 26.0 | 20.45 | 102.3 | PASS | 21.74 | 108.7 | PASS |
| Sn1899 | 20 | 14.0 | 26.0 | 21 | 105.0 | PASS | 22.61 | 113.1 | PASS |

ICAP 6300 QC

IOS - ug/L

| ELEMENT | TRUE VALUE | LOWER LIMIT | UPPER LIMIT | IOS START | %REC | FLAG | IOS END | %REC | FLAG | COMMENTS |
|---------|---------------|----------------|----------------|--------------|-------|------|-------------|-------|------|------------------|
| | ug/L | ug/L | ug/L | 28 Sep 2011 | | | 28 Sep 2011 | | | |
| | | | | 09:59:15 | | | 13:57:12 | | | |
| Ag3280 | 0 | -5.0 | 5.0 | -0.8374 | | PASS | -1.232 | | PASS | |
| Al3082A | 300000 | 200000 | 300000 | 267600 | *N/A | *N/A | 258200 | *N/A | *N/A | switch to radial |
| Al3082R | 300000 | 200000 | 300000 | 286400 | 95.5 | PASS | 287400 | 95.8 | PASS | |
| As1890 | 0 | -8.0 | 8.0 | -2.049 | | PASS | -0.9845 | | PASS | |
| Ba4554R | 0 | -100 | 100 | 0.4122 | | PASS | 1.015 | | PASS | |
| Be3131R | 0 | -3.0 | 3.0 | 0.3459 | | PASS | 0.2217 | | PASS | |
| Ca3179R | 300000 | 200000 | 300000 | 294900 | 98.3 | PASS | 301800 | 100.6 | PASS | |
| Cd2265 | 0 | -3.0 | 3.0 | 1.553 | | PASS | -1.648 | | PASS | |
| Co2286 | 0 | -20.0 | 20.0 | -0.6326 | | PASS | -0.4581 | | PASS | |
| Cr2677 | 0 | -5.0 | 5.0 | 0.0326 | | PASS | 0.3212 | | PASS | |
| Cu3247 | 0 | -5.0 | 5.0 | 4.398 | | PASS | 3.799 | | PASS | |
| Fe2599A | 300000 | 200000 | 300000 | 226100 | *N/A | *N/A | ^ ***** | *N/A | *N/A | switch to radial |
| Fe2599R | 300000 | 200000 | 300000 | 286400 | 95.5 | PASS | 296900 | 99.0 | PASS | |
| K_7664R | 0 | -500 | 500 | -30.04 | | PASS | -107.5 | | PASS | |
| Mg2790R | 300000 | 200000 | 300000 | 300800 | 100.3 | PASS | 312700 | 104.2 | PASS | |
| Mn2576 | 0 | -5.0 | 5.0 | 0.1294 | | PASS | -0.0741 | | PASS | |
| Na5895R | 300000 | 200000 | 300000 | 297000 | 99.0 | PASS | 299700 | 99.9 | PASS | |
| Ni2316 | 0 | -20.0 | 20.0 | -2.383 | | PASS | -0.9107 | | PASS | |
| Pb2203 | 0 | -8.0 | 8.0 | 5.043 | | PASS | -3.835 | | PASS | |
| Sb2068 | 0 | -20.0 | 20.0 | 3.405 | | PASS | 4.43 | | PASS | |
| Se1960 | 0 | -20.0 | 20.0 | -6.117 | | PASS | -10.48 | | PASS | |
| Ti1908 | 0 | -20.0 | 20.0 | 1.016 | | PASS | -0.5258 | | PASS | |
| V_2924 | 0 | -20.0 | 20.0 | -0.0335 | | PASS | -0.8816 | | PASS | |
| Zn2062 | 0 | -20.0 | 20.0 | -7.836 | | PASS | -8.008 | | PASS | |
| Mo2020 | 0 | -10.0 | 10.0 | -2.398 | | PASS | -2.554 | | PASS | |
| Ti3372 | 0 | -10.0 | 10.0 | 1.422 | | PASS | 1.162 | | PASS | |
| B_2089 | 0 | -10.0 | 10.0 | -6.771 | | PASS | -9.449 | | PASS | |
| Si2881A | 0 | -500 | 500 | -18.51 | | PASS | -41.9 | | PASS | |
| Si2881R | 0 | -500 | 500 | 3.828 | | PASS | -9.073 | | PASS | |
| Sr3464 | 0 | -10.0 | 10.0 | 1.005 | | PASS | 1.249 | | PASS | |
| Sn1899 | 0 | -10.0 | 10.0 | 2.36 | | PASS | 0.7139 | | PASS | |

| ELEMENT | TRUE VALUE | CCV-1 | %REC | FLAG | REP. LIMIT | CCB-1 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 28 Sep 2011 | | | ug/L | 28 Sep 2011 | |
| | | 10:52:54 | | | | 10:57:33 | |
| Ag3280 | 200 | 187.9 | 94.0 | PASS | 5 | -0.2483 | PASS |
| Al3082A | 5000 | 4470 | 89.4 | PASS | 100 | -5.049 | PASS |
| Al3082R | 5000 | 4806 | 96.1 | PASS | 100 | -5.053 | PASS |
| As1890 | 200 | 201.9 | 101.0 | PASS | 8 | 0.7353 | PASS |
| Ba4554R | 200 | 195.5 | 97.8 | PASS | 100 | 0.4533 | PASS |
| Be3131R | 200 | 190.9 | 95.5 | PASS | 3 | 0.0726 | PASS |
| Ca3179R | 5000 | 5142 | 102.8 | PASS | 500 | -11.6 | PASS |
| Cd2265 | 200 | 208.2 | 104.1 | PASS | 3 | -0.1702 | PASS |
| Co2286 | 200 | 198 | 99.0 | PASS | 20 | -0.1646 | PASS |
| Cr2677 | 200 | 216.4 | 108.2 | PASS | 5 | -0.718 | PASS |
| Cu3247 | 200 | 199.3 | 99.7 | PASS | 5 | -0.3351 | PASS |
| Fe2599A | 5000 | 5237 | 104.7 | PASS | 50 | -4.651 | PASS |
| Fe2599R | 5000 | 5125 | 102.5 | PASS | 50 | -6.247 | PASS |
| K_7664R | 5000 | 5057 | 101.1 | PASS | 500 | -126.1 | PASS |
| Mg2790R | 5000 | 5266 | 105.3 | PASS | 500 | 12.99 | PASS |
| Mn2576 | 200 | 216.5 | 108.3 | PASS | 5 | -0.2372 | PASS |
| Na5895R | 5000 | 5183 | 103.7 | PASS | 1000 | 76.34 | PASS |
| Ni2316 | 200 | 204.4 | 102.2 | PASS | 20 | 0.0267 | PASS |
| Pb2203 | 200 | 207.5 | 103.8 | PASS | 8 | 1.35 | PASS |
| Sb2068 | 200 | 195.8 | 97.9 | PASS | 20 | -1.352 | PASS |
| Se1960 | 200 | 204.2 | 102.1 | PASS | 20 | -4.16 | PASS |
| Ti1908 | 200 | 198.7 | 99.4 | PASS | 20 | -0.3221 | PASS |
| V_2924 | 200 | 200.3 | 100.2 | PASS | 20 | -0.2042 | PASS |
| Zn2062 | 200 | 221.9 | 111.0 | PASS | 20 | -6.753 | PASS |
| Mo2020 | 200 | 196.9 | 98.5 | PASS | 10 | -0.0933 | PASS |
| Ti3372 | 200 | 200.5 | 100.3 | PASS | 10 | -0.3759 | PASS |
| B_2089 | 200 | 190.4 | 95.2 | PASS | 10 | -1.96 | PASS |
| Si2881A | 5000 | 4951 | 99.0 | PASS | 500 | -20.52 | PASS |
| Si2881R | 5000 | 4956 | 99.1 | PASS | 500 | -6.552 | PASS |
| Sr3464 | 200 | 205.3 | 102.7 | PASS | 10 | -0.1291 | PASS |
| Sn1899 | 200 | 211.1 | 105.6 | PASS | 10 | 0.144 | PASS |

| ELEMENT | TRUE VALUE | CCV-2 | %REC | FLAG | REP. LIMIT | CCB-2 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 28 Sep 2011 | | | ug/L | 28 Sep 2011 | |
| | | 11:51:17 | | | | 11:55:56 | |
| Ag3280 | 200 | 190.8 | 95.4 | PASS | 5 | -0.2944 | PASS |
| Al3082A | 5000 | 4532 | 90.6 | PASS | 100 | -4.966 | PASS |
| Al3082R | 5000 | 4788 | 95.8 | PASS | 100 | -15.23 | PASS |
| As1890 | 200 | 198.2 | 99.1 | PASS | 8 | -2.501 | PASS |
| Ba4554R | 200 | 194.8 | 97.4 | PASS | 100 | 0.9028 | PASS |
| Be3131R | 200 | 191.6 | 95.8 | PASS | 3 | -0.0282 | PASS |
| Ca3179R | 5000 | 5085 | 101.7 | PASS | 500 | -10.18 | PASS |
| Cd2265 | 200 | 206.1 | 103.1 | PASS | 3 | -0.0803 | PASS |
| Co2286 | 200 | 196.2 | 98.1 | PASS | 20 | 0.0015 | PASS |
| Cr2677 | 200 | 218.1 | 109.1 | PASS | 5 | 0.1915 | PASS |
| Cu3247 | 200 | 199.4 | 99.7 | PASS | 5 | -0.2603 | PASS |
| Fe2599A | 5000 | 5361 | 107.2 | PASS | 50 | -4.284 | PASS |
| Fe2599R | 5000 | 5176 | 103.5 | PASS | 50 | -4.923 | PASS |
| K_7664R | 5000 | 5069 | 101.4 | PASS | 500 | -140.4 | PASS |
| Mg2790R | 5000 | 5237 | 104.7 | PASS | 500 | 16.08 | PASS |
| Mn2576 | 200 | 220.5 | 110.3 | PASS | 5 | -0.246 | PASS |
| Na5895R | 5000 | 5314 | 106.3 | PASS | 1000 | 124.4 | PASS |
| Ni2316 | 200 | 202.6 | 101.3 | PASS | 20 | 0.1954 | PASS |
| Pb2203 | 200 | 204.2 | 102.1 | PASS | 8 | 0.6124 | PASS |
| Sb2068 | 200 | 194.4 | 97.2 | PASS | 20 | -0.988 | PASS |
| Se1960 | 200 | 204.2 | 102.1 | PASS | 20 | -2.47 | PASS |
| Ti1908 | 200 | 198.1 | 99.1 | PASS | 20 | -1.447 | PASS |
| V_2924 | 200 | 202 | 101.0 | PASS | 20 | -0.4244 | PASS |
| Zn2062 | 200 | 218 | 109.0 | PASS | 20 | -6.844 | PASS |
| Mo2020 | 200 | 197.3 | 98.7 | PASS | 10 | -0.2343 | PASS |
| Ti3372 | 200 | 202.2 | 101.1 | PASS | 10 | -0.4176 | PASS |
| B_2089 | 200 | 187.6 | 93.8 | PASS | 10 | -1.687 | PASS |
| Si2881A | 5000 | 4971 | 99.4 | PASS | 500 | -24.11 | PASS |
| Si2881R | 5000 | 4883 | 97.7 | PASS | 500 | -0.9515 | PASS |
| Sr3464 | 200 | 208.2 | 104.1 | PASS | 10 | -0.725 | PASS |
| Sn1899 | 200 | 210.9 | 105.5 | PASS | 10 | -0.9687 | PASS |

| ELEMENT | TRUE VALUE | CCV-3 | %REC | FLAG | REP. LIMIT | CCB-3 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 28 Sep 2011 | | | ug/L | 28 Sep 2011 | |
| | | 12:49:36 | | | | 12:54:13 | |
| Ag3280 | 200 | 193.6 | 96.8 | PASS | 5 | -0.6278 | PASS |
| Al3082A | 5000 | 4537 | 90.7 | PASS | 100 | -4.288 | PASS |
| Al3082R | 5000 | 4797 | 95.9 | PASS | 100 | -15.44 | PASS |
| As1890 | 200 | 200.7 | 100.4 | PASS | 8 | -1.564 | PASS |
| Ba4554R | 200 | 197 | 98.5 | PASS | 100 | 1.047 | PASS |
| Be3131R | 200 | 187.2 | 93.6 | PASS | 3 | -0.0823 | PASS |
| Ca3179R | 5000 | 5146 | 102.9 | PASS | 500 | -11.55 | PASS |
| Cd2265 | 200 | 209.6 | 104.8 | PASS | 3 | -0.0727 | PASS |
| Co2286 | 200 | 197.1 | 98.6 | PASS | 20 | 0.019 | PASS |
| Cr2677 | 200 | 224.2 | 112.1 | PASS | 5 | -0.1539 | PASS |
| Cu3247 | 200 | 194.7 | 97.4 | PASS | 5 | 0.0296 | PASS |
| Fe2599A | 5000 | 5586 | 111.7 | PASS | 50 | -4.325 | PASS |
| Fe2599R | 5000 | 5208 | 104.2 | PASS | 50 | -2.437 | PASS |
| K_7664R | 5000 | 5066 | 101.3 | PASS | 500 | -190.1 | PASS |
| Mg2790R | 5000 | 5358 | 107.2 | PASS | 500 | 3.559 | PASS |
| Mn2576 | 200 | 228.1 | 114.1 | PASS | 5 | -0.1769 | PASS |
| Na5895R | 5000 | 5347 | 106.9 | PASS | 1000 | 104.9 | PASS |
| Ni2316 | 200 | 205.5 | 102.8 | PASS | 20 | -0.4368 | PASS |
| Pb2203 | 200 | 209.9 | 105.0 | PASS | 8 | 0.9194 | PASS |
| Sb2068 | 200 | 191.9 | 96.0 | PASS | 20 | 1.567 | PASS |
| Se1960 | 200 | 210.6 | 105.3 | PASS | 20 | -0.6462 | PASS |
| Ti1908 | 200 | 197.8 | 98.9 | PASS | 20 | -0.4921 | PASS |
| V_2924 | 200 | 206.9 | 103.5 | PASS | 20 | -0.4303 | PASS |
| Zn2062 | 200 | 224.4 | 112.2 | PASS | 20 | -6.95 | PASS |
| Mo2020 | 200 | 196.3 | 98.2 | PASS | 10 | 0.006 | PASS |
| Ti3372 | 200 | 202.2 | 101.1 | PASS | 10 | -0.5352 | PASS |
| B_2089 | 200 | 183 | 91.5 | PASS | 10 | -2.605 | PASS |
| Si2881A | 5000 | 5083 | 101.7 | PASS | 500 | -29.82 | PASS |
| Si2881R | 5000 | 4896 | 97.9 | PASS | 500 | -4.661 | PASS |
| Sr3464 | 200 | 213.5 | 106.8 | PASS | 10 | -0.815 | PASS |
| Sn1899 | 200 | 217.6 | 108.8 | PASS | 10 | 0.5306 | PASS |

| ELEMENT | TRUE VALUE | CCV-4 | %REC | FLAG | REP. LIMIT | CCB-4 | FLAG |
|---------|---------------|-------------|-------|------|---------------|-------------|------|
| | ug/L | 28 Sep 2011 | | | ug/L | 28 Sep 2011 | |
| | | 13:38:11 | | | | 13:42:49 | |
| Ag3280 | 200 | 193.5 | 96.8 | PASS | 5 | -0.2381 | PASS |
| Al3082A | 5000 | 4521 | 90.4 | PASS | 100 | -4.796 | PASS |
| Al3082R | 5000 | 4777 | 95.5 | PASS | 100 | 6.501 | PASS |
| As1890 | 200 | 202.5 | 101.3 | PASS | 8 | -1.743 | PASS |
| Ba4554R | 200 | 196.2 | 98.1 | PASS | 100 | 0.5929 | PASS |
| Be3131R | 200 | 188 | 94.0 | PASS | 3 | -0.0257 | PASS |
| Ca3179R | 5000 | 5139 | 102.8 | PASS | 500 | -11.71 | PASS |
| Cd2265 | 200 | 208 | 104.0 | PASS | 3 | -0.1581 | PASS |
| Co2286 | 200 | 196.4 | 98.2 | PASS | 20 | -0.1451 | PASS |
| Cr2677 | 200 | 223.9 | 112.0 | PASS | 5 | -0.3481 | PASS |
| Cu3247 | 200 | 195 | 97.5 | PASS | 5 | -0.9204 | PASS |
| Fe2599A | 5000 | 5609 | 112.2 | PASS | 50 | -3.687 | PASS |
| Fe2599R | 5000 | 5229 | 104.6 | PASS | 50 | -3.138 | PASS |
| K_7664R | 5000 | 5024 | 100.5 | PASS | 500 | -159.5 | PASS |
| Mg2790R | 5000 | 5319 | 106.4 | PASS | 500 | 35.36 | PASS |
| Mn2576 | 200 | 228.7 | 114.4 | PASS | 5 | -0.1836 | PASS |
| Na5895R | 5000 | 4987 | 99.7 | PASS | 1000 | -90.34 | PASS |
| Ni2316 | 200 | 205.6 | 102.8 | PASS | 20 | 0.0208 | PASS |
| Pb2203 | 200 | 211.6 | 105.8 | PASS | 8 | 1.373 | PASS |
| Sb2068 | 200 | 191.2 | 95.6 | PASS | 20 | -1.564 | PASS |
| Se1960 | 200 | 211 | 105.5 | PASS | 20 | 0.1612 | PASS |
| Ti1908 | 200 | 198.9 | 99.5 | PASS | 20 | -0.7994 | PASS |
| V_2924 | 200 | 205.7 | 102.9 | PASS | 20 | -0.5291 | PASS |
| Zn2062 | 200 | 221.8 | 110.9 | PASS | 20 | -6.775 | PASS |
| Mo2020 | 200 | 196.5 | 98.3 | PASS | 10 | -0.233 | PASS |
| Ti3372 | 200 | 202 | 101.0 | PASS | 10 | -0.2247 | PASS |
| B_2089 | 200 | 185.1 | 92.6 | PASS | 10 | -2.896 | PASS |
| Si2881A | 5000 | 5059 | 101.2 | PASS | 500 | -29.41 | PASS |
| Si2881R | 5000 | 4896 | 97.9 | PASS | 500 | -13.18 | PASS |
| Sr3464 | 200 | 212.9 | 106.5 | PASS | 10 | -0.409 | PASS |
| Sn1899 | 200 | 216.9 | 108.5 | PASS | 10 | 1.096 | PASS |

| ELEMENT | PBW B19P30 | REP. LIMIT | ACCEPTANCE LIMITS | | FLAG |
|---------|---------------|---------------|----------------------|-------|------|
| | 28 Sep 2011 | ug/L | ug/L | ug/L | |
| | 10:04:46 | | | | |
| Ag3280 | -0.2769 | 5 | 5 | -5 | PASS |
| Al3082A | 21.58 | 100 | 100 | -100 | PASS |
| Al3082R | 24.57 | 100 | 100 | -100 | PASS |
| As1890 | -3.927 | 8 | 8 | -8 | PASS |
| Ba4554R | 0.418 | 100 | 100 | -100 | PASS |
| Be3131R | -0.0149 | 3 | 3 | -3 | PASS |
| Ca3179R | 21.96 | 500 | 500 | -500 | PASS |
| Cd2265 | -0.2679 | 3 | 3 | -3 | PASS |
| Co2286 | -0.0865 | 20 | 20 | -20 | PASS |
| Cr2677 | 0.3708 | 5 | 5 | -5 | PASS |
| Cu3247 | 0.0079 | 5 | 5 | -5 | PASS |
| Fe2599A | 26.19 | 50 | 50 | -50 | PASS |
| Fe2599R | 23.93 | 50 | 50 | -50 | PASS |
| K_7664R | -59.15 | 500 | 500 | -500 | PASS |
| Mg2790R | 39.5 | 500 | 500 | -500 | PASS |
| Mn2576 | -0.2163 | 5 | 5 | -5 | PASS |
| Na5895R | -30.48 | 1000 | 1000 | -1000 | PASS |
| Ni2316 | 0.0902 | 20 | 20 | -20 | PASS |
| Pb2203 | 1.877 | 8 | 8 | -8 | PASS |
| Sb2068 | 0.2858 | 20 | 20 | -20 | PASS |
| Se1960 | -2.019 | 20 | 20 | -20 | PASS |
| Ti1908 | -0.7892 | 20 | 20 | -20 | PASS |
| V_2924 | 0.056 | 20 | 20 | -20 | PASS |
| Zn2062 | -6.899 | 20 | 20 | -20 | PASS |
| Mo2020 | -0.2258 | 10 | 10 | -10 | PASS |
| Ti3372 | -0.3788 | 10 | 10 | -10 | PASS |
| B_2089 | -0.5179 | 10 | 10 | -10 | PASS |
| Si2881A | -17.19 | 500 | 500 | -500 | PASS |
| Si2881R | 6.894 | 500 | 500 | -500 | PASS |
| Sr3464 | -0.7373 | 10 | 10 | -10 | PASS |
| Sn1899 | 0.24 | 10 | 10 | -10 | PASS |

| ELEMENT | LCSW-1 B19P30 | LCSW-2 B19P30 | MEAN | SPIKE LEVEL | RPD | % REC | FLAG |
|---------|------------------|------------------|---------|-------------|---------|---------|---------|
| | 28 Sep 2011 | 28 Sep 2011 | ug/L | ug/L | | | |
| | 10:09:34 | 10:14:13 | | | | | |
| Ag3280 | 191.9 | 189.6 | 190.8 | 200 | 1.00 | 94 | PASS |
| Al3082A | 4795 | 4729 | 4762 | 5000 | 1.39 | 95 | PASS |
| Al3082R | 5021 | 4960 | 4990.5 | 5000 | 1.22 | 100 | PASS |
| As1890 | 196.2 | 190.8 | 193.5 | 200 | 2.79 | 97 | PASS |
| Ba4554R | 193.5 | 191.3 | 192.4 | 200 | 1.14 | 96 | PASS |
| Be3131R | 192.9 | 190.4 | 192 | 200 | 1.30 | 96 | PASS |
| Ca3179R | 5167 | 5068 | 5117.5 | 5000 | 1.93 | 102 | PASS |
| Cd2265 | 198.3 | 194.4 | 196.4 | 200 | 1.99 | 98 | PASS |
| Co2286 | 194.5 | 192.5 | 193.5 | 200 | 1.03 | 97 | PASS |
| Cr2677 | 202.9 | 200.4 | 201.7 | 200 | 1.24 | 101 | PASS |
| Cu3247 | 189.3 | 188.2 | 189 | 200 | 0.58 | 94 | PASS |
| Fe2599A | 5213 | 5135 | 5174 | 5000 | 1.51 | 103 | PASS |
| Fe2599R | 5099 | 4996 | 5048 | 5000 | 2.04 | 101 | PASS |
| K_7664R | 4999 | 4937 | 4968.0 | 5000 | 1.25 | 99 | PASS |
| Mg2790R | 5205 | 5076 | 5141 | 5000 | 2.51 | 103 | PASS |
| Mn2576 | 207 | 204.4 | 205.7 | 200 | 1.26 | 103 | PASS |
| Na5895R | 4944 | 4849 | 4896.5 | 5000 | 1.94 | 98 | PASS |
| Ni2316 | 196.6 | 195 | 195.8 | 200 | 0.82 | 98 | PASS |
| Pb2203 | 201.5 | 195.5 | 198.5 | 200 | 3.02 | 99 | PASS |
| Sb2068 | 191.3 | 186.3 | 188.8 | 200 | 2.65 | 94 | PASS |
| Se1960 | 197.8 | 196 | 196.9 | 200 | 0.91 | 98 | PASS |
| Ti1908 | 190.9 | 189.7 | 190.3 | 200 | 0.63 | 95 | PASS |
| V_2924 | 197.7 | 195.3 | 196.5 | 200 | 1.22 | 98 | PASS |
| Zn2062 | 201 | 195.2 | 198.1 | 200 | 2.93 | 99 | PASS |
| Mo2020 | 192.5 | 190.6 | 191.6 | 200 | 0.99 | 96 | PASS |
| Ti3372 | 198.5 | 196.6 | 197.6 | 200 | 0.96 | 99 | PASS |
| B_2089 | 182.9 | 181.5 | 182.2 | 200 | 0.77 | 91 | PASS |
| Si2881A | F 165.8 | F 161.9 | #VALUE! | 5000 | #VALUE! | #VALUE! | #VALUE! |
| Si2881R | F 192.5 | F 180.2 | #VALUE! | 5000 | #VALUE! | #VALUE! | #VALUE! |
| Sr3464 | 200.4 | 198.5 | 199.5 | 200 | 0.95 | 100 | PASS |
| Sn1899 | 196.3 | 194.6 | 195.5 | 200 | 0.87 | 98 | PASS |

| ELEMENT | MDL | AN03637 | AN03637 MS | SPIKE LEVEL | % REC | FLAG | QUALIFIER | COMMENTS |
|---------|------|-------------|-------------|-------------|---------|-------|-----------|------------------|
| | | 28 Sep 2011 | 28 Sep 2011 | ug/L | | | | |
| | | 10:18:52 | 10:23:47 | | | | | |
| Ag3280 | 1.33 | 0.2393 | 202.6 | 200 | 101.3 | PASS | | |
| Al3082A | 25.2 | -30.85 | 5125 | 5000 | 102.5 | PASS | | |
| Al3082R | 28.2 | F -70.24 | 4900 | 5000 | #VALUE! | ##### | #VALUE! | |
| As1890 | 4.8 | 1.589 | 211.8 | 200 | 105.9 | PASS | | |
| Ba4554R | 27.6 | 65.17 | 254.2 | 200 | 94.5 | PASS | | |
| Be3131R | 1.44 | 0.6133 | 184.5 | 200 | 92.3 | PASS | | |
| Ca3179R | 133 | 131400 | 130800 | 5000 | -12.0 | L | N/A | > 1X Spike Level |
| Cd2265 | 1.46 | -0.1013 | 189.6 | 200 | 94.8 | PASS | | |
| Co2286 | 5.44 | -0.1679 | 186.3 | 200 | 93.2 | PASS | | |
| Cr2677 | 2.9 | 1.614 | 199.1 | 200 | 99.6 | PASS | | |
| Cu3247 | 5.03 | 1.803 | 195.7 | 200 | 97.9 | PASS | | |
| Fe2599A | 14.2 | 251.6 | 5238 | 5000 | 99.7 | PASS | | |
| Fe2599R | 13.7 | 248.6 | 5179 | 5000 | 98.6 | PASS | | |
| K_7664R | 154 | 119100 | 119500 | 5000 | 8.0 | L | | |
| Mg2790R | 139 | 349500 | 344500 | 5000 | -100.0 | L | | |
| Mn2576 | 3.04 | 107.8 | 304.1 | 200 | 98.2 | PASS | | |
| Na5895R | 274 | F 2006000. | F 1818000. | 5000 | #VALUE! | ##### | N/A | > 1X Spike Level |
| Ni2316 | 5.43 | 1.146 | 187.7 | 200 | 93.9 | PASS | | |
| Pb2203 | 2.39 | 3.605 | 195 | 200 | 95.7 | PASS | | |
| Sb2068 | 11.2 | -2.183 | 192.2 | 200 | 96.1 | PASS | | |
| Se1960 | 11.2 | -1.477 | 203.6 | 200 | 101.8 | PASS | | |
| Ti1908 | 7.58 | -1.449 | 175 | 200 | 87.5 | PASS | | |
| V_2924 | 5.62 | -0.1639 | 192.8 | 200 | 96.4 | PASS | | |
| Zn2062 | 5.71 | -4.761 | 198.5 | 200 | 99.3 | PASS | | |
| Mo2020 | 2.7 | 3.089 | 188.2 | 200 | 92.6 | PASS | | |
| Ti3372 | 2.91 | 0.4962 | 195.4 | 200 | 97.7 | PASS | | |
| B_2089 | 2.5 | 1273 | 1366 | 200 | 46.5 | L | NA | |
| Si2881A | 40.5 | 3754 | 3827 | 5000 | 1.5 | L | | |
| Si2881R | 50.5 | 3669 | 3748 | 5000 | 1.6 | L | | |
| Sr3464 | 2.5 | 2185 | 2301 | 200 | 58.0 | L | NA | |
| Sn1899 | 2.4 | -0.3382 | 184.4 | 200 | 92.2 | PASS | | |

| ELEMENT | MS Value (ug/L) AN03637 MS | SDL Value (ug/L) AN03637 SDL | % Difference | FLAG | QUALIFIER | COMMENTS |
|---------|-------------------------------|---------------------------------|--------------|-------|-----------|----------|
| | 28 Sep 2011 | 28 Sep 2011 | | | | |
| | 10:23:47 | 10:28:34 | | | | |
| Ag3280 | 202.6 | 187.8 | 7.31 | PASS | | |
| Al3082A | 5125 | 4861 | 5.15 | PASS | | |
| Al3082R | 4900 | 4905 | -0.10 | PASS | | |
| As1890 | 211.8 | 193.5 | 8.66 | PASS | | |
| Ba4554R | 254.2 | 252.1 | 0.83 | PASS | | |
| Be3131R | 184.5 | 183.7 | 0.43 | PASS | | |
| Ca3179R | 130800 | 134600 | -2.91 | PASS | | |
| Cd2265 | 189.6 | 196.6 | -3.69 | PASS | | |
| Co2286 | 186.3 | 189.2 | -1.56 | PASS | | |
| Cr2677 | 199.1 | 203.6 | -2.24 | PASS | | |
| Cu3247 | 195.7 | 189.1 | 3.37 | PASS | | |
| Fe2599A | 5238 | 5385 | -2.81 | PASS | | |
| Fe2599R | 5179 | 5214 | -0.68 | PASS | | |
| K_7664R | 119500 | 113600 | 4.94 | PASS | | |
| Mg2790R | 344500 | 350600 | -1.77 | PASS | | |
| Mn2576 | 304.1 | 310.0 | -1.94 | PASS | | |
| Na5895R | F 1818000 | 2516000 | #VALUE! | ##### | N/A | > LDR |
| Ni2316 | 187.7 | 194.5 | -3.62 | PASS | | |
| Pb2203 | 195 | 204.7 | -4.97 | PASS | | |
| Sb2068 | 192.2 | 200.4 | -4.27 | PASS | | |
| Se1960 | 203.6 | 187.5 | 7.91 | PASS | | |
| Ti1908 | 175 | 173.6 | 0.80 | PASS | | |
| V_2924 | 192.8 | 190.9 | 1.01 | PASS | | |
| Zn2062 | 198.5 | 183.5 | 7.56 | PASS | | |
| Mo2020 | 188.2 | 190.3 | -1.12 | PASS | | |
| Ti3372 | 195.4 | 190.5 | 2.51 | PASS | | |
| B_2089 | 1366 | 1362 | 0.29 | PASS | | |
| Si2881A | 3827 | 3649 | 4.65 | PASS | | |
| Si2881R | 3748 | 3668 | 2.13 | PASS | | |
| Sr3464 | 2301 | 2368 | -2.91 | PASS | | |
| Sn1899 | 184.4 | 202.8 | -9.95 | PASS | | |

| ELEMENT | MDL | AN03638 | AN03638 MS | SPIKE LEVEL | % REC | FLAG | COMMENTS | QUALIFIER |
|---------|------|-------------|-------------|-------------|-------|-------|----------|-----------|
| | | 28 Sep 2011 | 28 Sep 2011 | ug/L | | | | |
| | | 11:36:46 | 12:00:45 | | | | | |
| Ag3280 | 1.33 | 0.0335 | 200.7 | 200 | 100.4 | PASS | | |
| Al3082A | 25.2 | 5.703 | 5168 | 5000 | 103.4 | PASS | | |
| Al3082R | 28.2 | -28.65 | 5006 | 5000 | 100.1 | PASS | | |
| As1890 | 4.8 | 0.5505 | 210.7 | 200 | 105.4 | PASS | | |
| Ba4554R | 27.6 | 69.66 | 261.6 | 200 | 96.0 | PASS | | |
| Be3131R | 1.44 | 0.2195 | 183 | 200 | 91.5 | PASS | | |
| Ca3179R | 133 | 132800 | 138100 | 5000 | 106.0 | PASS | | |
| Cd2265 | 1.46 | -0.1651 | 191.3 | 200 | 95.7 | PASS | | |
| Co2286 | 5.44 | 0.0252 | 186.3 | 200 | 93.2 | PASS | | |
| Cr2677 | 2.9 | 1.711 | 204.2 | 200 | 102.1 | PASS | | |
| Cu3247 | 5.03 | 2.889 | 194.4 | 200 | 97.2 | PASS | | |
| Fe2599A | 14.2 | 283.9 | 5491 | 5000 | 104.1 | PASS | | |
| Fe2599R | 13.7 | 275.3 | 5300 | 5000 | 100.5 | PASS | | |
| K_7664R | 154 | 120200 | 125600 | 5000 | 108.0 | PASS | | |
| Mg2790R | 139 | 348600 | 357900 | 5000 | 186.0 | K | | |
| Mn2576 | 3.04 | 116.4 | 323.2 | 200 | 103.4 | PASS | | |
| Na5895R | 274 | F 1912000. | F 1832000. | 5000 | ##### | ##### | N/A | |
| Ni2316 | 5.43 | 2.151 | 188.8 | 200 | 94.4 | PASS | | |
| Pb2203 | 2.39 | 69.61 | 258.3 | 200 | 94.3 | PASS | | |
| Sb2068 | 11.2 | 2.672 | 188.7 | 200 | 94.4 | PASS | | |
| Se1960 | 11.2 | 2.243 | 206 | 200 | 103.0 | PASS | | |
| Ti1908 | 7.58 | -2.961 | 172.5 | 200 | 86.3 | PASS | | |
| V_2924 | 5.62 | -0.1191 | 196.1 | 200 | 98.1 | PASS | | |
| Zn2062 | 5.71 | -1.57 | 206.1 | 200 | 103.1 | PASS | | |
| Mo2020 | 2.7 | 2.51 | 189.6 | 200 | 94.8 | PASS | | |
| Ti3372 | 2.91 | 1.453 | 197 | 200 | 98.5 | PASS | | |
| B_2089 | 2.5 | 1266 | 1380 | 200 | 57.0 | L | NA | |
| Si2881A | 40.5 | 3905 | 4085 | 5000 | 3.6 | L | | |
| Si2881R | 50.5 | 3823 | 4017 | 5000 | 3.9 | L | | |
| Sr3464 | 2.5 | 2207 | 2426 | 200 | 109.5 | PASS | | |
| Sn1899 | 2.4 | 1.068 | 192.9 | 200 | 96.5 | PASS | | |

> 1X Spike Level

| ELEMENT | MS Value (ug/L) AN03638 MS | SDL Value (ug/L) AN03638 SDL | % Difference | FLAG | COMMENTS | QUALIFIER |
|---------|-------------------------------|---------------------------------|--------------|-------|----------|-----------|
| | 28 Sep 2011 | 28 Sep 2011 | | | | |
| | 12:00:45 | 12:05:31 | | | | |
| Ag3280 | 200.7 | 191.4 | 4.63 | PASS | | |
| Al3082A | 5168 | 4973 | 3.77 | PASS | | |
| Al3082R | 5006 | 4905 | 2.02 | PASS | | |
| As1890 | 210.7 | 209.5 | 0.57 | PASS | | |
| Ba4554R | 261.6 | 257.2 | 1.68 | PASS | | |
| Be3131R | 183 | 182.9 | 0.05 | PASS | | |
| Ca3179R | 138100 | 137500 | 0.43 | PASS | | |
| Cd2265 | 191.3 | 191.8 | -0.26 | PASS | | |
| Co2286 | 186.3 | 186.8 | -0.27 | PASS | | |
| Cr2677 | 204.2 | 204.6 | -0.20 | PASS | | |
| Cu3247 | 194.4 | 184.2 | 5.25 | PASS | | |
| Fe2599A | 5491 | 5583 | -1.68 | PASS | | |
| Fe2599R | 5300 | 5302 | -0.04 | PASS | | |
| K_7664R | 125600 | 116600 | 7.17 | PASS | | |
| Mg2790R | 357900 | 355400 | 0.70 | PASS | | |
| Mn2576 | 323.2 | 327.1 | -1.21 | PASS | | |
| Na5895R | F 1832000. | 2545000 | #VALUE! | ##### | N/A | > LDR |
| Ni2316 | 188.8 | 194.9 | -3.23 | PASS | | |
| Pb2203 | 258.3 | 269.7 | -4.41 | PASS | | |
| Sb2068 | 188.7 | 179.4 | 4.93 | PASS | | |
| Se1960 | 206 | 204.9 | 0.53 | PASS | | |
| Ti1908 | 172.5 | 175.9 | -1.97 | PASS | | |
| V_2924 | 196.1 | 193 | 1.58 | PASS | | |
| Zn2062 | 206.1 | 177.2 | 14.02 | J | | |
| Mo2020 | 189.6 | 188.3 | 0.69 | PASS | | |
| Ti3372 | 197 | 192.2 | 2.44 | PASS | | |
| B_2089 | 1380 | 1362 | 1.30 | PASS | | |
| Si2881A | 4085 | 3927 | 3.87 | PASS | | |
| Si2881R | 4017 | 3887 | 3.24 | PASS | | |
| Sr3464 | 2426 | 2464 | -1.57 | PASS | | |
| Sn1899 | 192.9 | 194.3 | -0.73 | PASS | | |

| | Pos ID | Col | Type | Samplename | Comment | Instrument | Method | CorrFact | Check | Check Table | Fail Action |
|----|--------|-----|------|---------------|------------------------------|------------|-----------|----------|-------------------------------------|-------------|-------------|
| 1 | 1 | 1 | QC | PBW B19P30 | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | PBW | None |
| 2 | 2 | 2 | QC | LCSW-1 B19P30 | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LCSW | None |
| 3 | 3 | 3 | QC | LCSW-2 B19P30 | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LCSW | None |
| 4 | 4 | 4 | Unk | AN03637 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 5 | 5 | 5 | Unk | AN03637 MS | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 6 | 6 | 1 | Unk | AN03637 SDL | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 5 | <input checked="" type="checkbox"/> | LDR | --- |
| 7 | 7 | 2 | Unk | RINSE | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 8 | 8 | 3 | Unk | RINSE | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 9 | 9 | 4 | Unk | AN03637 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 10 | 10 | 5 | Unk | AN03638 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 11 | 11 | 1 | Unk | AN03641 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 12 | 12 | 2 | Unk | AN03643 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 13 | 13 | 3 | Unk | AN03645 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 14 | 14 | 4 | Unk | AN03647 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 15 | 15 | 5 | Unk | AN03649 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 16 | 16 | 1 | Unk | AN03651 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 17 | 17 | 2 | Unk | AN03656 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 18 | 18 | 3 | Unk | AN03638 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 19 | 19 | 4 | Unk | RINSE | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 20 | 20 | 5 | Unk | RINSE | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 21 | 21 | 1 | Unk | AN03638 MS | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 22 | 22 | 2 | Unk | AN03638 SDL | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 5 | <input checked="" type="checkbox"/> | LDR | --- |
| 23 | 23 | 3 | Unk | RINSE | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 24 | 24 | 4 | Unk | RINSE | | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 25 | 25 | 5 | Unk | AN03638 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 26 | 26 | 1 | Unk | AN03640 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 27 | 27 | 2 | Unk | AN03642 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 28 | 28 | 3 | Unk | AN03644 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 29 | 29 | 4 | Unk | AN03646 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 30 | 30 | 5 | Unk | AN03648 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 31 | 31 | 1 | Unk | AN03650 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 32 | 32 | 2 | Unk | AN03652 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 33 | 33 | 3 | Unk | AN03653 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 34 | 34 | 4 | Unk | AN03654 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 35 | 35 | 5 | Unk | AN03655 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 36 | 36 | 1 | Unk | AN03675 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 37 | 37 | 2 | Unk | AN03676 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |
| 38 | 38 | 3 | Unk | AN03678 X10 | JEWETT WHITE LEAD (11070033) | ICAP6300 | SOP-C-109 | 1 | <input checked="" type="checkbox"/> | LDR | --- |

SUMMARY - VERTICAL REPORT

| | Blank | MID STD | HIGH STD | ICV | ICB | RL | 2RL | IOS |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 28 Sep 2011 09:25:09 | 28 Sep 2011 09:29:58 | 28 Sep 2011 09:34:46 | 28 Sep 2011 09:40:03 | 28 Sep 2011 09:44:47 | 28 Sep 2011 09:49:38 | 28 Sep 2011 09:54:27 | 28 Sep 2011 09:59:15 |
| Ag3280 | -.0005 | .4115 | .8508 | 192.9 | -.0160 | 4.922 | 9.956 | -.8374 |
| Al3961A | .0079 | 2.487 | 5.110 | 4682. | -3.275 | 88.13 | 181.9 | 287600. |
| Al3961R | .0018 | .2439 | .4874 | 4832. | -1.480 | 97.27 | 178.4 | 286400. |
| As1890 | .0000 | .1753 | .3518 | 195.8 | .8639 | 7.915 | 16.34 | -2.049 |
| Ba4554R | .0070 | 10.88 | 21.62 | 197.2 | .2832 | 100.6 | 201.3 | .4122 |
| Be3131R | .0010 | 9.113 | 18.01 | 195.7 | .1669 | 3.023 | 5.957 | .3459 |
| Ca3179R | .0065 | .5731 | 1.136 | 5060. | -4.745 | 501.6 | 1023. | 294900. |
| Cd2265 | .0004 | 6.569 | 13.04 | 201.2 | .0965 | 3.037 | 6.048 | 1.553 |
| Co2286 | .0000 | 2.180 | 4.358 | 196.2 | .1136 | 20.21 | 40.65 | -.6326 |
| Cr2677 | .0001 | .9554 | 1.945 | 209.7 | -.4111 | 4.859 | 11.43 | .0326 |
| Cu3247 | .0134 | 4.487 | 9.003 | 209.7 | -.0547 | 10.30 | 21.12 | 4.398 |
| Fe2599A | .0033 | 2.628 | 5.458 | 5101. | -1.606 | 51.01 | 101.2 | 226100. |
| Fe2599R | .0006 | .3492 | .7097 | 5060. | -4.948 | 50.43 | 99.43 | 286400. |
| K_7664R | -.0063 | .1402 | .2855 | 4977. | -91.55 | 432.9 | 910.4 | -30.04 |
| Mg2790R | .0000 | .0609 | .1233 | 5088. | 3.920 | 525.4 | 1046. | 300800. |
| Mn2576 | .0011 | 16.15 | 32.68 | 211.7 | .0403 | 5.355 | 10.86 | .1294 |
| Na5895R | .0405 | .5449 | 1.052 | 4934. | -114.4 | 875.5 | 1876. | 297000. |
| Ni2316 | -.0001 | 1.176 | 2.360 | 200.5 | -.1088 | 20.40 | 40.70 | -2.383 |
| Pb2203 | .0000 | .4736 | .9432 | 199.6 | .1888 | 10.37 | 18.18 | 5.043 |
| Sb2068 | .0001 | .2948 | .5858 | 198.5 | .3218 | 18.14 | 40.35 | 3.405 |
| Se1960 | .0002 | .1414 | .2854 | 198.3 | -3.359 | 19.47 | 38.58 | -6.117 |
| Ti1908 | -.0001 | .2298 | .4637 | 199.0 | -2.119 | 20.72 | 38.99 | 1.016 |
| V_2924 | .0000 | 3.593 | 7.429 | 199.3 | .0887 | 20.35 | 40.77 | -.0335 |
| Zn2062 | .0022 | 1.268 | 2.511 | 202.8 | -4.652 | 14.28 | 36.89 | -7.836 |
| | | | | | | | | |
| Mo2020 | .0000 | 1.514 | 3.056 | 201.1 | .0976 | 10.31 | 20.60 | -2.398 |
| Ti3372 | .0000 | 10.10 | 20.51 | 204.2 | -.1699 | 10.10 | 20.52 | 1.422 |
| B_2089 | .0000 | .8578 | 1.700 | 200.8 | 1.986 | 9.707 | 19.82 | -6.771 |
| Si2881A | .0183 | .7524 | 1.514 | 4950. | -.2268 | 487.4 | 987.1 | -18.51 |
| Si2881R | .0009 | .1141 | .2245 | 4955. | 14.29 | 503.2 | 998.3 | 3.828 |
| Sn1899 | .0001 | .3770 | .7614 | 202.0 | -.4896 | 11.06 | 21.00 | 2.360 |
| Sr3464 | -.0004 | 2.651 | 5.467 | 197.4 | -.0430 | 10.80 | 20.45 | 1.005 |
| Y_2243-A | 18174. | 18795. | 18971. | 20051. | 19843. | 20030. | 20584. | 18368. |
| Y_3203-A | 34662. | 36304. | 35435. | 36969. | 35900. | 36233. | 36617. | 34304. |
| Y_3600-R | 19480. | 18944. | 18735. | 19264. | 18826. | 18103. | 17854. | 18446. |

SUMMARY - VERTICAL REPORT

| | PBW B19P30 | LCSW-1 B19P30 | LCSW-2 B19P30 | AN03637 | AN03637 MS | AN03637 SDL | RINSE | RINSE |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 28 Sep 2011 10:04:46 | 28 Sep 2011 10:09:34 | 28 Sep 2011 10:14:13 | 28 Sep 2011 10:18:52 | 28 Sep 2011 10:23:47 | 28 Sep 2011 10:28:34 | 28 Sep 2011 10:33:27 | 28 Sep 2011 10:38:16 |
| Ag3280 | -2769 | 191.9 | 189.6 | 2393 | 202.6 | 187.8 | -0356 | -1163 |
| Al3961A | 21.58 | 4795. | 4729. | -30.85 | 5125. | 4861 | -5.451 | -5.258 |
| Al3961R | 24.57 | 5021. | 4960. | F -70.24 | 4900. | 4905 | -3.764 | -18.82 |
| As1890 | -3.927 | 196.2 | 190.8 | 1.589 | 211.8 | 193.5 | -1.139 | -1.393 |
| Ba4554R | .4180 | 193.5 | 191.3 | 65.17 | 254.2 | 252.1 | .2786 | .5573 |
| Be3131R | -.0149 | 192.9 | 190.4 | .6133 | 184.5 | 183.7 | -.1398 | .1114 |
| Ca3179R | 21.96 | 5167. | 5068. | 131400. | 130800. | 134600 | -7.433 | -8.796 |
| Cd2265 | -.2679 | 198.3 | 194.4 | -.1013 | 189.6 | 196.6 | -.2690 | -.1685 |
| Co2286 | -.0865 | 194.5 | 192.5 | -.1679 | 186.3 | 189.2 | .0995 | .0645 |
| Cr2677 | .3708 | 202.9 | 200.4 | 1.614 | 199.1 | 203.6 | -.0963 | -.2876 |
| Cu3247 | .0079 | 189.3 | 188.2 | 1.803 | 195.7 | 189.1 | -.1507 | .1325 |
| Fe2599A | 26.19 | 5213. | 5135. | 251.6 | 5238. | 5385 | -5.125 | -5.041 |
| Fe2599R | 23.93 | 5099. | 4996. | 248.6 | 5179. | 5214 | -6.762 | -9.326 |
| K_7664R | -59.15 | 4999. | 4937. | 119100. | 119500. | 113650 | -11.54 | -81.33 |
| Mg2790R | 39.50 | 5205. | 5076. | 349500. | 344500. | 350650 | 3.383 | -9.880 |
| Mn2576 | -.2163 | 207.0 | 204.4 | 107.8 | 304.1 | 310 | -.2572 | -.3031 |
| Na5895R | -30.48 | 4944. | 4849. | F 2006000. | F 1818000. | 2516500 | 845.0 | 409.3 |
| Ni2316 | .0902 | 196.6 | 195.0 | 1.146 | 187.7 | 194.5 | .0466 | .0481 |
| Pb2203 | 1.877 | 201.5 | 195.5 | 3.605 | 195.0 | 204.7 | 2.324 | -1.487 |
| Sb2068 | 2858 | 191.3 | 186.3 | -2.183 | 192.2 | 200.4 | .1005 | 1.115 |
| Se1960 | -2.019 | 197.8 | 196.0 | -1.477 | 203.6 | 187.5 | -2.542 | -7.490 |
| Ti1908 | -.7892 | 190.9 | 189.7 | -1.449 | 175.0 | 173.6 | -.6629 | -.5883 |
| V_2924 | .0560 | 197.7 | 195.3 | -.1639 | 192.8 | 190.9 | -2.009 | -.0132 |
| Zn2062 | -6.899 | 201.0 | 195.2 | -4.761 | 198.5 | 183.5 | -7.960 | -7.935 |
| | | | | | | | | |
| Mo2020 | -.2258 | 192.5 | 190.6 | 3.089 | 188.2 | 190.3 | -.4098 | -.3806 |
| Ti3372 | -.3788 | 198.5 | 196.6 | .4962 | 195.4 | 190.5 | -.2224 | -.4679 |
| B_2089 | -.5179 | 182.9 | 181.5 | 1273. | 1366. | 1362 | -.7673 | -.9960 |
| Si2881A | -17.19 | F 165.8 | F 161.9 | 3754. | 3827. | 3649 | -22.82 | -17.26 |
| Si2881R | 6.894 | F 192.5 | F 180.2 | 3669. | 3748. | 3668 | 11.49 | .9898 |
| Sn1899 | .2400 | 196.3 | 194.6 | -.3382 | 184.4 | 202.8 | -.2915 | .8709 |
| Sr3464 | -.7373 | 200.4 | 198.5 | 2185. | 2301. | 2368 | -.9274 | -.8943 |
| Y_2243-A | 21297. | 20818. | 20575. | 18222. | 19461. | 21243. | 22219. | 21226. |
| Y_3203-A | 38243. | 37055. | 36785. | 32868. | 34804. | 36841. | 38371. | 37309. |
| Y_3600-R | 18533. | 18503. | 18199. | 17741. | 17845. | 17370. | 17689. | 17746. |

SUMMARY - VERTICAL REPORT

| | AN03637 X10 | AN03639 X10 | CCV | CCB | AN03641 X10 | AN03643 X10 | AN03645 X10 | AN03647 X10 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 28 Sep 2011 10:43:04 | 28 Sep 2011 10:48:00 | 28 Sep 2011 10:52:54 | 28 Sep 2011 10:57:33 | 28 Sep 2011 11:02:21 | 28 Sep 2011 11:07:17 | 28 Sep 2011 11:12:12 | 28 Sep 2011 11:17:07 |
| Ag3280 | -.5471 | -.4077 | 187.9 | -.2483 | -.5648 | .0853 | -.3209 | -.2856 |
| Al3961A | -.11.93 | -.10.38 | 4470. | -5.049 | -10.42 | -.11.44 | -10.98 | -10.64 |
| Al3961R | -8.775 | -11.75 | 4806. | -5.053 | -18.93 | -20.22 | -4.890 | -5848 |
| As1890 | -3.435 | -.2551 | 201.9 | .7353 | .1458 | -1.949 | -.6843 | 1.839 |
| Ba4554R | 6.939 | 4.334 | 195.5 | .4533 | 11.58 | 4.425 | 10.95 | 5.358 |
| Be3131R | -.0010 | -.0194 | 190.9 | .0726 | -.0921 | -.0156 | -.0929 | .1502 |
| Ca3179R | 13620. | 12250. | 5142. | -11.60 | 15900. | 11640. | 15310. | 12590. |
| Cd2265 | -.2156 | -.2813 | 208.2 | -.1702 | -.1006 | -.1597 | -.2335 | -.0294 |
| Co2286 | .1019 | .1054 | 198.0 | -.1646 | -.1126 | .0370 | .0724 | -.0082 |
| Cr2677 | -.4499 | -.0381 | 216.4 | -.7180 | -.6256 | .0964 | -.4728 | .2064 |
| Cu3247 | -.0203 | -.2754 | 199.3 | -.3351 | -.2288 | -.1847 | -.2908 | -.3239 |
| Fe2599A | 21.42 | 36.72 | 5237. | -4.651 | 1.955 | 26.80 | 18.75 | 48.33 |
| Fe2599R | 19.76 | 32.66 | 5125. | -6.247 | 2.392 | 23.91 | 16.37 | 44.29 |
| K_7664R | 11200. | 10590. | 5057. | -126.1 | 12630. | 9496. | 13080. | 11790. |
| Mg2790R | 36330. | 33910. | 5266. | 12.99 | 35710. | 28490. | 39920. | 35310. |
| Mn2576 | 10.80 | 17.69 | 216.5 | -.2372 | 186.0 | 7.861 | 22.75 | 41.96 |
| Na5895R | 277800. | 269100. | 5183. | 76.34 | 294600. | 228000. | 310500. | 286500. |
| Ni2316 | -.3465 | .5110 | 204.4 | .0267 | .0099 | .5060 | -.3612 | .2336 |
| Pb2203 | 3.312 | 4.955 | 207.5 | 1.350 | 1.597 | 2.780 | 1.414 | 1.271 |
| Sb2068 | -2.976 | -.9343 | 195.8 | -1.352 | 2.116 | .0881 | -1.109 | -1.088 |
| Se1960 | -.2549 | -1.342 | 204.2 | -4.160 | -3.227 | -4.400 | -3.113 | -1.612 |
| Ti1908 | -.5315 | -.3232 | 198.7 | -.3221 | -.2433 | .4322 | .1503 | -2.749 |
| V_2924 | -.0622 | -.1452 | 200.3 | -.2042 | -.1953 | .3165 | -.4733 | -.4773 |
| Zn2062 | -6.996 | -6.929 | 221.9 | -6.753 | -7.061 | -6.362 | -7.892 | -7.349 |
| | | | | | | | | |
| Mo2020 | .1105 | .0151 | 196.9 | -.0933 | -.6509 | .0180 | -.1221 | .3151 |
| Ti3372 | -.4905 | -.4779 | 200.5 | -.3759 | -.3385 | -.5490 | -.3235 | -.4946 |
| B_2089 | 126.0 | 121.0 | 190.4 | -1.960 | 156.5 | 113.5 | 155.5 | 144.3 |
| Si2881A | 350.4 | 304.1 | 4951. | -20.52 | 635.8 | 428.3 | 522.8 | 375.6 |
| Si2881R | 363.2 | 320.3 | 4956. | -6.552 | 625.4 | 431.4 | 538.5 | 382.9 |
| Sn1899 | .2572 | -1.022 | 211.1 | .1440 | -.2689 | .2172 | .2851 | .3764 |
| Sr3464 | 228.2 | 212.1 | 205.3 | -.1291 | 240.1 | 183.6 | 258.7 | 218.7 |
| Y_2243-A | 21027. | 20973. | 21939. | 21625. | 21633. | 22115. | 21679. | 21768. |
| Y_3203-A | 37287. | 36378. | 38397. | 38666. | 37813. | 38532. | 37591. | 37738. |
| Y_3600-R | 17549. | 17934. | 18232. | 18443. | 18810. | 18693. | 18324. | 17758. |

SUMMARY - VERTICAL REPORT

| | AN03649 X10 | AN03651 X10 | AN03656 X10 | AN03638 | RINSE | RINSE | CCV | CCB |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 28 Sep 2011 11:22:01 | 28 Sep 2011 11:26:56 | 28 Sep 2011 11:31:50 | 28 Sep 2011 11:36:46 | 28 Sep 2011 11:41:39 | 28 Sep 2011 11:46:28 | 28 Sep 2011 11:51:17 | 28 Sep 2011 11:55:56 |
| Ag3280 | -3596 | -0428 | -9752 | .0335 | -2062 | -1438 | 190.8 | -2944 |
| Al3961A | -12.82 | -10.34 | -12.24 | 5.703 | -4.458 | -4.581 | 4532. | -4.966 |
| Al3961R | -11.30 | -21.78 | -2.003 | -28.65 | 10.26 | -7.842 | 4788. | -15.23 |
| As1890 | .1904 | 1.716 | .5581 | .5505 | -2.966 | -1.560 | 198.2 | -2.501 |
| Ba4554R | 12.01 | 15.64 | 11.57 | 69.66 | .9302 | 1.153 | 194.8 | .9028 |
| Be3131R | -.0512 | .1438 | .0398 | .2195 | .0796 | .0503 | 191.6 | -.0282 |
| Ca3179R | 16110. | 16500. | 16200. | 132800. | 1.811 | -5.848 | 5085. | -10.18 |
| Cd2265 | -.2489 | -.0650 | -.2748 | -.1651 | -.1291 | -.0714 | 206.1 | -.0803 |
| Co2286 | -.1972 | .1118 | -.2399 | .0252 | .1041 | -.2395 | 196.2 | .0015 |
| Cr2677 | -.3589 | .4149 | -.3397 | 1.711 | -.0385 | -.4164 | 218.1 | .1915 |
| Cu3247 | -.3263 | -.1524 | -.2090 | 2.889 | -.2382 | -.2985 | 199.4 | -.2603 |
| Fe2599A | 6.811 | 157.4 | 1.417 | 283.9 | -4.202 | -4.506 | 5361. | -4.284 |
| Fe2599R | 4.928 | 152.3 | -2.802 | 275.3 | -4.026 | -8.820 | 5176. | -4.923 |
| K_7664R | 13080. | 14020. | 12830. | 120200. | 21.08 | -102.6 | 5069. | -140.4 |
| Mg2790R | 37430. | 40070. | 36280. | 348600. | 51.30 | 10.99 | 5237. | 16.08 |
| Mn2576 | 113.2 | 18.92 | 171.7 | 116.4 | -.2148 | -.2212 | 220.5 | -.2460 |
| Na5895R | 304200. | 320900. | 298100. | F 1912000. | 1471. | 479.8 | 5314. | 124.4 |
| Ni2316 | .3245 | .3653 | .2664 | 2.151 | .5291 | .3495 | 202.6 | .1954 |
| Pb2203 | -.7367 | 1.081 | .4869 | 69.61 | -.4273 | 2.670 | 204.2 | .6124 |
| Sb2068 | -2.933 | -1.550 | 2.519 | 2.672 | -1.231 | -.0076 | 194.4 | -.9880 |
| Se1960 | -.7028 | -.6210 | -4.416 | 2.243 | -3.299 | -.6193 | 204.2 | -2.470 |
| Ti1908 | -1.025 | -.3261 | -1.283 | -2.961 | -.7157 | -2.578 | 198.1 | -1.447 |
| V_2924 | -.2627 | .2694 | -.0811 | -.1191 | -.3998 | -.2788 | 202.0 | -.4244 |
| Zn2062 | -6.553 | -6.977 | -7.374 | -1.570 | -7.342 | -.7781 | 218.0 | -6.844 |
| | | | | | | | | |
| Mo2020 | -.5161 | -.2186 | -.4613 | 2.510 | -.3463 | .0413 | 197.3 | -.2343 |
| Ti3372 | -.3945 | -.1324 | -.6789 | 1.453 | -.2480 | -.4664 | 202.2 | -.4176 |
| B_2089 | 158.7 | 173.3 | 157.7 | 1266. | -.7996 | -1.524 | 187.6 | -1.687 |
| Si2881A | 614.4 | 680.9 | 622.8 | 3905. | -20.99 | -22.49 | 4971. | -24.11 |
| Si2881R | 624.1 | 680.2 | 619.2 | 3823. | -10.94 | -8.516 | 4883. | -.9515 |
| Sn1899 | -.2739 | -.2515 | .0031 | 1.068 | -.2909 | .7873 | 210.9 | -.9687 |
| Sr3464 | 246.9 | 266.4 | 240.3 | 2207. | -.8815 | -.1005 | 208.2 | -.7250 |
| Y_2243-A | 22463. | 22123. | 21525. | 18552. | 21918. | 21990. | 21695. | 21851. |
| Y_3203-A | 38807. | 37748. | 37875. | 33393. | 38120. | 36772. | 37379. | 37389. |
| Y_3600-R | 18461. | 18125. | 18304. | 17359. | 17796. | 17072. | 17799. | 17416. |

SUMMARY - VERTICAL REPORT

| | AN03638 MS | AN03638 SDL | RINSE | RINSE | AN03638 X10 | AN03640 X10 | AN03642 X10 | AN03644 X10 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 28 Sep 2011 12:00:45 | 28 Sep 2011 12:05:31 | 28 Sep 2011 12:10:23 | 28 Sep 2011 12:15:12 | 28 Sep 2011 12:20:02 | 28 Sep 2011 12:24:57 | 28 Sep 2011 12:29:52 | 28 Sep 2011 12:34:48 |
| Ag3280 | 200.7 | 191.4 | .0995 | -.5035 | -.3263 | -.1101 | -.5011 | -.1313 |
| Al3961A | 5168. | 4973 | -4.503 | -3.151 | -6.353 | -.9088 | -10.37 | -8.491 |
| Al3961R | 5006. | 4905 | -.0682 | -13.66 | -8.853 | -8.427 | 5.760 | 6.969 |
| As1890 | 210.7 | 209.5 | 1.756 | -1.368 | 1.967 | -3.076 | -1.068 | -1.186 |
| Ba4554R | 261.6 | 257.2 | .7923 | .8218 | 7.639 | 4.802 | 12.58 | 4.786 |
| Be3131R | 183.0 | 182.9 | .0505 | -.0660 | .0812 | .0995 | -.0084 | .0046 |
| Ca3179R | 138100. | 137550 | .7403 | -9.157 | 13630. | 12010. | 16850. | 11370. |
| Cd2265 | 191.3 | 191.8 | -.0484 | -.1552 | -.2032 | .0250 | -.2569 | .0199 |
| Co2286 | 186.3 | 186.8 | -.0863 | .1414 | -.1264 | .0230 | -.0711 | -.3912 |
| Cr2677 | 204.2 | 204.6 | -.4584 | .1163 | -.3309 | .4723 | .5682 | -.2026 |
| Cu3247 | 194.4 | 184.2 | -.0029 | -.5674 | -.0172 | -.0578 | -.1267 | .6139 |
| Fe2599A | 5491. | 5583 | -4.151 | -4.389 | 26.22 | 39.82 | 2.938 | 36.01 |
| Fe2599R | 5300. | 5302 | -4.022 | -3.973 | 18.98 | 38.16 | 1.755 | 32.37 |
| K_7664R | 125600. | 116600 | -108.8 | -99.20 | 11190. | 10230. | 13170. | 9375. |
| Mg2790R | 357900. | 355400 | 8.069 | 6.880 | 36090. | 34220. | 38090. | 28150. |
| Mn2576 | 323.2 | 327.1 | -.1448 | -.1660 | 11.77 | 12.96 | 185.3 | 8.455 |
| Na5895R | F 1832000. | 2545000 | 842.2 | 339.0 | 265700. | 248600. | 297900. | 220100. |
| Ni2316 | 188.8 | 194.9 | .2449 | -.0784 | .3021 | .3232 | .1007 | .6561 |
| Pb2203 | 258.3 | 269.7 | .6067 | .1566 | 7.900 | 32.64 | 3.076 | 14.32 |
| Sb2068 | 188.7 | 179.4 | -.1452 | -.9631 | 1.414 | 2.685 | -1.811 | 2.227 |
| Se1960 | 206.0 | 204.9 | -2.794 | -3.516 | -3.029 | -2.786 | -.3432 | -2.119 |
| Ti1908 | 172.5 | 175.9 | -.7178 | -1.182 | -1.071 | -1.194 | -.5440 | -1.521 |
| V_2924 | 196.1 | 193.0 | -.8232 | -.2267 | -.3602 | -.7791 | -.5979 | -.3078 |
| Zn2062 | 206.1 | 177.2 | -6.742 | -5.673 | -5.836 | -2.271 | -4.907 | -2.126 |
| | | | | | | | | |
| Mo2020 | 189.6 | 188.3 | .0345 | -.6277 | -.3429 | -.1397 | -.5105 | -.1783 |
| Ti3372 | 197.0 | 192.2 | -.3343 | -.0724 | -.1640 | -.3861 | -.3930 | -.5210 |
| B_2089 | 1380. | 1362 | -1.600 | -1.871 | 121.0 | 108.1 | 153.6 | 108.8 |
| Si2881A | 4085. | 3927 | -27.06 | -28.84 | 358.2 | 274.7 | 652.3 | 428.7 |
| Si2881R | 4017. | 3887 | 8.205 | -3.574 | 370.4 | 282.0 | 662.8 | 438.3 |
| Sn1899 | 192.9 | 194.3 | .6838 | -.2902 | .4125 | -.6726 | -.3471 | .6194 |
| Sr3464 | 2426. | 2464 | -.4941 | -.3735 | 232.7 | 212.9 | 254.8 | 182.3 |
| Y_2243-A | 19608. | 21756. | 23011. | 23741. | 24618. | 24317. | 22793. | 23301. |
| Y_3203-A | 34118. | 36951. | 38283. | 39450. | 41174. | 39649. | 37805. | 39673. |
| Y_3600-R | 16405. | 17097. | 16959. | 17925. | 18444. | 17175. | 16855. | 17551. |

SUMMARY - VERTICAL REPORT

| | AN03646 X10 | AN03648 X10 | CCV | CCB | AN03650 X10 | AN03652 X10 | AN03653 | AN03654 |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 28 Sep 2011 12:39:44 | 28 Sep 2011 12:44:40 | 28 Sep 2011 12:49:36 | 28 Sep 2011 12:54:13 | 28 Sep 2011 12:59:01 | 28 Sep 2011 13:03:56 | 28 Sep 2011 13:08:51 | 28 Sep 2011 13:13:41 |
| Ag3280 | -5665 | -5156 | 193.6 | -6278 | -4101 | -2929 | -6076 | -1439 |
| Al3961A | -3.493 | -6.861 | 4537. | -4.288 | -5.795 | -4843 | -3.828 | 3.453 |
| Al3961R | 14.49 | -4.650 | 4797. | -15.44 | -6.189 | 2.332 | 2.061 | 2.609 |
| As1890 | .4763 | -.2905 | 200.7 | -1.564 | 1.228 | 2.220 | -1.451 | -1.427 |
| Ba4554R | 10.90 | 5.147 | 197.0 | 1.047 | 12.86 | 16.21 | .9353 | 1.709 |
| Be3131R | .0641 | .1964 | 187.2 | -.0823 | .2926 | .2784 | -.0906 | -.0948 |
| Ca3179R | 15150. | 12030. | 5146. | -11.55 | 16200. | 16400. | -6.359 | 162.3 |
| Cd2265 | -.1421 | -.1689 | 209.6 | -.0727 | -.2556 | -.2773 | -.1174 | -.2028 |
| Co2286 | -.1114 | -.2160 | 197.1 | .0190 | -.0695 | .1125 | -.1191 | -.0851 |
| Cr2677 | .2915 | -.2324 | 224.2 | -.1539 | 6.985 | -.0139 | -.5071 | .1512 |
| Cu3247 | .3942 | .1160 | 194.7 | .0296 | -.2762 | .0416 | .0741 | -.4570 |
| Fe2599A | 39.73 | 62.17 | 5586. | -4.325 | 57.01 | 230.3 | -4.389 | 10.23 |
| Fe2599R | 31.87 | 61.27 | 5208. | -2.437 | 49.17 | 213.3 | -4.604 | 8.883 |
| K_7664R | 12900. | 11380. | 5066. | -190.1 | 13130. | 13860. | -170.1 | -56.76 |
| Mg2790R | 40090. | 34170. | 5358. | 3.559 | 38400. | 40440. | 7.001 | 397.6 |
| Mn2576 | 21.73 | 43.05 | 228.1 | -.1769 | 113.9 | 20.13 | -.1912 | .2976 |
| Na5895R | 302800. / | 265400. / | 5347. | 104.9 | 306300. | 313500. / | 422.6 / | 3264. / |
| Ni2316 | .3020 | .1740 | 205.5 | -.4368 | 3.984 | .0775 | -.3942 | .3173 |
| Pb2203 | 4.198 | 15.08 | 209.9 | .9194 | 4.932 | 11.69 | .6880 | .1631 |
| Sb2068 | 2.261 | -.0491 | 191.9 | 1.567 | 2.006 | -.2935 | .3246 | .4742 |
| Se1960 | .7577 | -2.148 | 210.6 | -.6462 | 1.255 | -2.527 | -4.204 | -1.723 |
| Ti1908 | -.5587 | -.5363 | 197.8 | -.4921 | -1.056 | -1.564 | -2.445 | -1.532 |
| V_2924 | -.0862 | -.1174 | 206.9 | -.4303 | -.6592 | -.2387 | -.2287 | -.5280 |
| Zn2062 | -5.798 | -6.384 | 224.4 | -6.950 | -6.459 | -6.147 | -7.075 | -4.542 |
| | | | | | | | | |
| Mo2020 | -.3288 | -.1667 | 196.3 | .0060 | -.1316 | -.3479 | -.1668 | -.3856 |
| Ti3372 | -.0142 | -.2643 | 202.2 | -.5352 | -.4020 | -.0253 | -.2342 | -.1074 |
| B_2089 | 145.6 | 132.6 | 183.0 | -2.605 | 153.0 | 164.2 | -1.978 | -1.701 |
| Si2881A | 508.0 | 351.1 | 5083. | -29.82 | 648.4 | 692.8 | -23.73 | -12.67 |
| Si2881R | 530.8 | 348.5 | 4896. | -4.661 | 641.7 | 671.9 | 1.181 | 10.21 |
| Sn1899 | .0555 | -.0967 | 217.6 | .5306 | .5953 | .6682 | -.0297 | .1134 |
| Sr3464 | 259.8 | 210.0 | 213.5 | -.8150 | 259.1 | 272.6 | .1338 | 2.327 |
| Y_2243-A | 22998. | 23069. | 23509. | 23548. | 23817. | 23956. | 23822. | 24259. |
| Y_3203-A | 38586. | 38216. | 38772. | 38839. | 37867. | 38665. | 38993. | 39028. |
| Y_3600-R | 16984. | 16752. | 17372. | 16743. | 16524. | 16744. | 17205. | 16862. |

SUMMARY - VERTICAL REPORT

| | AN03655 X10 | AN03675 X10 | AN03676 X10 | AN03678 X10 | CCV | CCB | RL | 2RL | IOS |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | 28 Sep 2011 13:18:29 | 28 Sep 2011 13:23:24 | 28 Sep 2011 13:28:20 | 28 Sep 2011 13:33:16 | 28 Sep 2011 13:38:11 | 28 Sep 2011 13:42:49 | 28 Sep 2011 13:47:37 | 28 Sep 2011 13:52:25 | 28 Sep 2011 13:57:12 |
| Ag3280 | .1514 | 1.918 | 1.172 | 2.012 | 193.5 | -2381 | 4.510 | 9.996 | -1.232 |
| Al3961A | -11.39 | 21500. | 18800. | 8125. | 4521. | -4.796 | 84.65 | 174.3 | 258200. |
| Al3961R | -13.86 | 23040. | 19790. | 8556. | 4777. | 6.501 | 96.27 | 186.8 | 287400. |
| As1890 | -2.107 | 21.29 | 33.27 | 45.58 | 202.5 | -1.743 | 8.107 | 15.21 | -.9845 |
| Ba4554R | 12.53 | 232.4 | 201.3 | 154.7 | 196.2 | .5929 | 99.66 | 198.7 | 1.015 |
| Be3131R | .1907 | 27.20 | 17.94 | 3.333 | 188.0 | -.0257 | 3.081 | 6.142 | .2217 |
| Ca3179R | 16460. | 23280. | 18260. | 144900. | 5139. | -11.71 | 504.1 | 1027. | 301800. |
| Cd2265 | -.2186 | 6.905 | -.4592 | .7874 | 208.0 | -.1581 | 3.196 | 6.423 | -1.648 |
| Co2286 | -.2021 | 191.0 | 165.0 | 20.61 | 196.4 | -.1451 | 20.11 | 40.53 | -.4581 |
| Cr2677 | -.1772 | 385.6 | 262.6 | 145.8 | 223.9 | -.3481 | 5.778 | 11.31 | .3212 |
| Cu3247 | -.9762 | 3493. | 3149. | 374.0 | 195.0 | -.9204 | 10.08 | 20.22 | 3.799 |
| Fe2599A | .7157 | F 151400. | F 118300. | 37550. | 5609. | -3.687 | 54.01 | 109.1 | ^ ***** |
| Fe2599R | -3.309 | 161800. | 122800. | 36240. | 5229. | -3.138 | 47.74 | 98.16 | 296900. |
| K_7664R | 12880. | 2976. | 2786. | 1549. | 5024. | -159.5 | F 327.3 | 910.5 | -107.5 |
| Mg2790R | 37950. | 12970. | 9540. | 5542. | 5319. | 35.36 | 524.5 | 1085. | 312700. |
| Mn2576 | 186.2 | 1539. | 1356. | 1028. | 228.7 | -.1836 | 5.604 | 11.56 | -.0741 |
| Na5895R | 290400. | 7430. | 6558. | 5068. | 4987. | -90.34 | 886.4 | 1865. | 299700. |
| NI2316 | .2827 | 1436. | 546.9 | 80.40 | 205.6 | .0208 | 20.81 | 40.65 | -.9107 |
| Pb2203 | .8880 | 4929. | 3350. | 23630. | 211.6 | 1.373 | 9.853 | 17.98 | -3.835 |
| Sb2068 | -1.071 | 10.37 | 24.77 | 1.209 | 191.2 | -1.564 | 17.95 | 39.10 | 4.430 |
| Se1960 | -2.385 | -1.708 | -2.299 | 1.492 | 211.0 | .1612 | 18.37 | 41.30 | -10.48 |
| Ti1908 | -2.151 | -2.000 | -.9830 | -1.589 | 198.9 | -.7994 | 18.59 | 38.85 | -.5258 |
| V_2924 | -.8749 | 1530. | 109.1 | 64.83 | 205.7 | -.5291 | 20.52 | 41.74 | -.8816 |
| Zn2062 | -7.845 | 20720. | 18000. | 2069. | 221.8 | -6.775 | 15.34 | 39.42 | -8.008 |
| | | | | | | | | | |
| Mo2020 | -.2829 | 63.90 | 51.20 | 5.488 | 196.5 | -.2330 | 9.948 | 20.08 | -2.554 |
| Ti3372 | -.5394 | 795.2 | 456.9 | 188.4 | 202.0 | -.2247 | 9.980 | 20.44 | 1.162 |
| B_2089 | 148.1 | 210.6 | 191.8 | 34.08 | 185.1 | -2.896 | F 6.944 | 16.11 | -9.449 |
| Si2881A | 635.7 | 787.9 | 448.2 | 420.5 | 5059. | -29.41 | 475.8 | 995.7 | -41.90 |
| Si2881R | 629.2 | 759.2 | 444.6 | 412.3 | 4896. | -13.18 | 476.4 | 983.4 | -9.073 |
| Sn1899 | -.1566 | 1296. | 1249. | 140.2 | 216.9 | 1.096 | 10.67 | 22.61 | .7139 |
| Sr3464 | 253.6 | 208.4 | 157.6 | 569.9 | 212.9 | -.4090 | 11.08 | 21.74 | 1.249 |
| Y_2243-A | 24713. | 23441. | 23212. | 23130. | 23717. | 23496. | 23872. | 24063. | 20900. |
| Y_3203-A | 38882. | 38875. | 38572. | 38681. | 38983. | 39196. | 39342. | 39129. | 36156. |
| Y_3600-R | 16097. | 17284. | 18068. | 17602. | 17653. | 17179. | 17388. | 17204. | 16627. |

Sample Name: Blank Acquired: 9/28/2011 9:25:09 Type: Cal
Method: PT_MET(v107) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.0005 | .0079 | .0018 | .0000 | .0070 | .0010 | .0065 | .0004 | .0000 | .0001 | .0134 |
| Stddev | .0004 | .0001 | .0004 | .000 | .0005 | .0001 | .0004 | .0001 | .000 | .0001 | .0003 |
| %RSD | 97.67 | 1.174 | 20.02 | 249.3 | 7.675 | 12.58 | 5.484 | 33.77 | 2393. | 63.39 | 2.115 |

| | | | | | | | | | | | |
|----|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| #1 | -.0009 | .0079 | .0022 | .0000 | .0064 | .0008 | .0061 | .0004 | .0001 | .0002 | .0132 |
| #2 | -.0005 | .0078 | .0014 | .0000 | .0074 | .0010 | .0068 | .0004 | .0000 | .0001 | .0132 |
| #3 | .0000 | .0080 | .0019 | .0000 | .0071 | .0011 | .0065 | .0002 | -.0001 | .0000 | .0137 |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0033 | .0006 | -.0063 | .0000 | .0011 | .0405 | -.0001 | .0000 | .0001 | .0002 | -.0001 |
| Stddev | .0001 | .0000 | .0008 | .0001 | .0001 | .0008 | .0001 | .0002 | .0000 | .0000 | .0000 |
| %RSD | 3.695 | 6.276 | 12.85 | 281.8 | 7.597 | 1.986 | 78.05 | 4588. | 20.27 | 15.13 | 11.40 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|-------|--------|--------|-------|-------|--------|
| #1 | .0032 | .0007 | -.0054 | .0001 | .0011 | .0405 | -.0001 | -.0002 | .0001 | .0002 | -.0001 |
| #2 | .0034 | .0006 | -.0066 | -.0001 | .0012 | .0396 | .0000 | .0001 | .0001 | .0002 | -.0001 |
| #3 | .0033 | .0006 | -.0069 | .0001 | .0010 | .0412 | -.0001 | .0001 | .0001 | .0003 | -.0001 |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .0000 | .0022 | .0000 | .0000 | .0000 | .0183 | .0009 | -.0004 | .0001 |
| Stddev | .0003 | .0006 | .0002 | .000 | .0000 | .0003 | .0001 | .0005 | .0001 |
| %RSD | 2099. | 27.37 | 876.1 | 1644. | 131.5 | 1.485 | 8.201 | 114.4 | 86.91 |

| | | | | | | | | | |
|----|--------|-------|--------|--------|-------|-------|-------|--------|-------|
| #1 | -.0001 | .0029 | .0001 | .0002 | .0000 | .0185 | .0010 | .0001 | .0000 |
| #2 | .0004 | .0019 | -.0002 | -.0001 | .0000 | .0183 | .0008 | -.0004 | .0001 |
| #3 | -.0002 | .0018 | .0001 | -.0002 | .0000 | .0180 | .0008 | -.0008 | .0002 |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18174. | 34662. | 19480. |
| Stddev | 151. | 208. | 132. |
| %RSD | .83004 | .60020 | .67640 |

| | | | |
|----|--------|--------|--------|
| #1 | 18017. | 34896. | 19632. |
| #2 | 18187. | 34591. | 19405. |
| #3 | 18317. | 34499. | 19403. |

Sample Name: MID STD Acquired: 9/28/2011 9:29:58 Type: Cal
Method: PT_MET(v107) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .4115 | 2.487 | .2439 | .1753 | 10.88 | 9.113 | .5731 | 6.569 | 2.180 | .9554 | 4.487 |
| Stddev | .0008 | .003 | .0010 | .0003 | .04 | .021 | .0041 | .015 | .005 | .0062 | .014 |
| %RSD | .1965 | .1127 | .4287 | .1956 | .3889 | .2257 | .7140 | .2204 | .2349 | .6518 | .3163 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | .4117 | 2.490 | .2431 | .1752 | 10.84 | 9.093 | .5684 | 6.571 | 2.180 | .9483 | 4.483 |
| #2 | .4106 | 2.486 | .2434 | .1757 | 10.88 | 9.134 | .5759 | 6.583 | 2.186 | .9596 | 4.503 |
| #3 | .4122 | 2.485 | .2451 | .1750 | 10.92 | 9.112 | .5751 | 6.554 | 2.175 | .9585 | 4.476 |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 2.628 | .3492 | .1402 | .0609 | 16.15 | .5449 | 1.176 | .4736 | .2948 | .1414 | .2298 |
| Stddev | .018 | .0024 | .0023 | .0003 | .11 | .0030 | .002 | .0016 | .0008 | .0004 | .0008 |
| %RSD | .6825 | .6954 | 1.650 | .4562 | .7057 | .5552 | .1937 | .3415 | .2720 | .2486 | .3520 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 2.619 | .3466 | .1380 | .0607 | 16.14 | .5436 | 1.176 | .4746 | .2953 | .1410 | .2292 |
| #2 | 2.616 | .3495 | .1400 | .0612 | 16.04 | .5427 | 1.178 | .4744 | .2952 | .1417 | .2307 |
| #3 | 2.649 | .3514 | .1427 | .0609 | 16.26 | .5484 | 1.173 | .4717 | .2938 | .1415 | .2296 |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 3.593 | 1.268 | 1.514 | 10.10 | .8578 | .7524 | .1141 | 2.651 | .3770 |
| Stddev | .011 | .006 | .002 | .08 | .0033 | .0024 | .0009 | .016 | .0014 |
| %RSD | .2956 | .5094 | .1194 | .8241 | .3828 | .3256 | .8017 | .6010 | .3638 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3.584 | 1.268 | 1.513 | 10.18 | .8585 | .7500 | .1131 | 2.634 | .3755 |
| #2 | 3.590 | 1.274 | 1.516 | 10.02 | .8607 | .7523 | .1146 | 2.653 | .3782 |
| #3 | 3.605 | 1.261 | 1.513 | 10.10 | .8542 | .7549 | .1147 | 2.666 | .3772 |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18795. | 36304. | 18944. |
| Stddev | 152. | 275. | 249. |
| %RSD | .80712 | .75872 | 1.3165 |

| | | | |
|----|--------|--------|--------|
| #1 | 18738. | 36043. | 18807. |
| #2 | 18680. | 36592. | 19232. |
| #3 | 18967. | 36279. | 18793. |

Sample Name: HIGH STD Acquired: 9/28/2011 9:34:46 Type: Cal
Method: PT_MET(v107) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|-----------|----------|----------|----------|---------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .8508 | 5.110 | .4874 | .3518 | 21.62 | 18.01 | 1.136 | 13.04 | 4.358 | 1.945 | 9.003 |
| Stddev | .0076 | .044 | .0027 | .0014 | .38 | .22 | .008 | .09 | .009 | .008 | .119 |
| %RSD | .8989 | .8611 | .5632 | .4001 | 1.752 | 1.224 | .7016 | .7179 | .2158 | .4104 | 1.322 |
| #1 | .8425 | 5.081 | .4843 | .3534 | 21.20 | 17.79 | 1.129 | 13.14 | 4.368 | 1.937 | 8.899 |
| #2 | .8576 | 5.160 | .4882 | .3507 | 21.93 | 18.23 | 1.135 | 13.00 | 4.358 | 1.945 | 8.978 |
| #3 | .8522 | 5.088 | .4896 | .3512 | 21.73 | 18.00 | 1.144 | 12.96 | 4.349 | 1.953 | 9.133 |
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 5.458 | .7097 | .2855 | .1233 | 32.68 | 1.052 | 2.360 | .9432 | .5858 | .2854 | .4637 |
| Stddev | .057 | .0022 | .0007 | .0004 | .62 | .003 | .002 | .0063 | .0013 | .0010 | .0001 |
| %RSD | 1.043 | .3094 | .2527 | .3004 | 1.909 | .3152 | .0698 | .6688 | .2277 | .3386 | .0287 |
| #1 | 5.392 | .7092 | .2847 | .1230 | 32.15 | 1.052 | 2.358 | .9500 | .5871 | .2851 | .4636 |
| #2 | 5.497 | .7078 | .2859 | .1237 | 32.53 | 1.049 | 2.359 | .9418 | .5858 | .2847 | .4637 |
| #3 | 5.484 | .7121 | .2858 | .1231 | 33.37 | 1.055 | 2.362 | .9376 | .5844 | .2865 | .4638 |
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 | | |
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | | |
| Avg | 7.429 | 2.511 | 3.056 | 20.51 | 1.700 | 1.514 | .2245 | 5.467 | .7614 | | |
| Stddev | .044 | .036 | .003 | .11 | .004 | .008 | .0021 | .028 | .0010 | | |
| %RSD | .5974 | 1.425 | .1027 | .5232 | .2363 | .5090 | .9352 | .5081 | .1291 | | |
| #1 | 7.384 | 2.552 | 3.052 | 20.43 | 1.704 | 1.506 | .2224 | 5.435 | .7625 | | |
| #2 | 7.473 | 2.498 | 3.058 | 20.48 | 1.699 | 1.521 | .2246 | 5.487 | .7606 | | |
| #3 | 7.429 | 2.485 | 3.058 | 20.63 | 1.696 | 1.517 | .2266 | 5.479 | .7611 | | |
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R | | | | | | | | |
| Units | Cts/S | Cts/S | Cts/S | | | | | | | | |
| Avg | 18971. | 35435. | 18735. | | | | | | | | |
| Stddev | 115. | 239. | 199. | | | | | | | | |
| %RSD | .60448 | .67479 | 1.0629 | | | | | | | | |
| #1 | 18991. | 35710. | 18753. | | | | | | | | |
| #2 | 18847. | 35319. | 18527. | | | | | | | | |
| #3 | 19074. | 35276. | 18924. | | | | | | | | |

| Element, Wavelength and Order | Date of Fit | Date of Cal. | Type of Fit | Weighting | A0 | A1 | A2 | n (Exponent) | Correlation | Std Error of Est | MDL | MQL |
|-------------------------------------|-------------------|--------------------|----------------|-----------|-----------|----------|----------|--------------|-------------|---------------------|----------|-----------|
| Ag 328.068 (103) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | -0.000465 | 0.000843 | 0.000000 | 1.000000 | 0.999883 | 0.590986 | 1.772957 | 5.909855 |
| Al 396.152 (85) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.007853 | 0.000495 | 0.000000 | 1.000000 | 0.999910 | 1.676810 | 5.030430 | 16.768099 |
| Al 396.152 (85)2 | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.001845 | 0.000046 | 0.000000 | 1.000000 | 0.999999 | 0.178228 | 0.534683 | 1.782276 |
| As 189.042 (478) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | -0.000011 | 0.000035 | 0.000000 | 1.000000 | 0.999999 | 0.186509 | 0.559527 | 1.865092 |
| Ba 455.403 (74) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.006980 | 0.002165 | 0.000000 | 1.000000 | 0.999996 | 0.359007 | 1.077022 | 3.590073 |
| Be 313.107 (108) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.001014 | 0.001807 | 0.000000 | 1.000000 | 0.999984 | 0.698275 | 2.094825 | 6.982749 |
| Ca 317.933 (106) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.006470 | 0.000113 | 0.000000 | 1.000000 | 0.999999 | 0.196911 | 0.590732 | 1.969106 |
| Cd 226.502 (449) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.000369 | 0.001307 | 0.000000 | 1.000000 | 0.999993 | 0.453154 | 1.359462 | 4.531540 |
| Co 228.616 (447) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | -0.000003 | 0.000435 | 0.000000 | 1.000000 | 0.999999 | 0.031801 | 0.095403 | 0.318011 |
| Cr 267.716 (126) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.000114 | 0.000193 | 0.000000 | 1.000000 | 0.999966 | 1.009973 | 3.029918 | 10.099725 |
| Cu 324.754 (104) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.013348 | 0.000900 | 0.000000 | 1.000000 | 0.999998 | 0.269166 | 0.807499 | 2.691663 |
| Fe 259.940 (130) | 9/28/2011 9:39:55 | 9/28/2011 9:39:55 | Linear | 1/Conc | 0.003256 | 0.000539 | 0.000000 | 1.000000 | 0.999839 | 2.186592 | 6.589777 | 21.965925 |
| Fe 259.940 (130)2 | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000645 | 0.000071 | 0.000000 | 1.000000 | 0.999968 | 0.984452 | 2.953357 | 9.844525 |
| K 766.490 (44) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | -0.006282 | 0.000029 | 0.000000 | 1.000000 | 0.999998 | 0.243983 | 0.731948 | 2.439825 |
| Mg 279.079 (121) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000048 | 0.000012 | 0.000000 | 1.000000 | 0.999985 | 0.669632 | 2.008895 | 6.696315 |
| Mn 257.610 (131) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.001016 | 0.003255 | 0.000000 | 1.000000 | 0.999984 | 0.690129 | 2.070387 | 6.901289 |
| Na 589.592 (57) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.040465 | 0.000101 | 0.000000 | 1.000000 | 0.999999 | 0.154642 | 0.463926 | 1.546421 |
| Ni 231.604 (445) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | -0.000083 | 0.000236 | 0.000000 | 1.000000 | 0.999999 | 0.209250 | 0.627749 | 2.092497 |
| Pb 220.353 (453) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000005 | 0.000095 | 0.000000 | 1.000000 | 0.999998 | 0.241727 | 0.725182 | 2.417272 |
| Sb 206.833 (463) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000130 | 0.000059 | 0.000000 | 1.000000 | 0.999996 | 0.353942 | 1.061826 | 3.539421 |
| Se 196.090 (472) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000235 | 0.000028 | 0.000000 | 1.000000 | 0.999989 | 0.584824 | 1.754472 | 5.848240 |
| Tl 190.856 (477) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | -0.000128 | 0.000046 | 0.000000 | 1.000000 | 0.999992 | 0.482466 | 1.447399 | 4.824665 |
| V 292.402 (115) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | -0.000025 | 0.000736 | 0.000000 | 1.000000 | 0.999879 | 1.902138 | 5.706414 | 19.021381 |
| Zn 206.200 (463) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.002186 | 0.000252 | 0.000000 | 1.000000 | 0.999992 | 0.489058 | 1.467173 | 4.890576 |
| Mo 202.030 (467) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000013 | 0.000305 | 0.000000 | 1.000000 | 0.999990 | 0.534965 | 1.604894 | 5.349645 |
| Ti 337.280 (100) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | -0.000063 | 0.002042 | 0.000000 | 1.000000 | 0.999975 | 0.873226 | 2.619677 | 8.732257 |
| B 208.959 (461) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000023 | 0.000162 | 0.000000 | 1.000000 | 0.999991 | 0.559064 | 1.677192 | 5.590642 |
| Si 288.158 (117) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.018285 | 0.000148 | 0.000000 | 1.000000 | 0.999961 | 1.095127 | 3.285382 | 10.951274 |
| Si 288.158 (117)2 | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000870 | 0.000022 | 0.000000 | 1.000000 | 0.999981 | 0.752850 | 2.258551 | 7.528503 |
| Sr 346.446 (97) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | -0.000422 | 0.000541 | 0.000000 | 1.000000 | 0.999988 | 1.751399 | 5.254198 | 17.513993 |
| Sn 189.989 (477) | 9/28/2011 9:39:56 | 9/28/2011 9:39:56 | Linear | 1/Conc | 0.000097 | 0.000076 | 0.000000 | 1.000000 | 0.999989 | 0.578078 | 1.734234 | 5.780780 |
| Y 224.306 (450)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 111.803399 | 0.000000 | 0.000000 |
| Y 320.332 (105)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Y 360.073 (94)* | <not fit> | <Never Calibrated> | Linear | 1/Conc | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 111.803399 | 0.000000 | 0.000000 |

Sample Name: ICV Acquired: 9/28/2011 9:40:03 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 192.9 | 4682. | 4832. | 195.8 | 197.2 | 195.7 | 5060. | 201.2 | 196.2 | 209.7 | 209.7 |
| Stddev | 1.1 | 28. | 29. | 2.8 | 1.3 | .9 | 41. | 2.3 | 1.8 | 2.6 | .9 |
| %RSD | .5878 | .6022 | .6035 | 1.431 | .6724 | .4599 | .8182 | 1.126 | .9394 | 1.220 | .4249 |
| #1 | 191.6 | 4666. | 4864. | 198.8 | 198.7 | 196.7 | 5056. | 203.2 | 197.9 | 207.5 | 209.0 |
| #2 | 193.6 | 4667. | 4826. | 193.2 | 196.2 | 195.5 | 5021. | 201.7 | 196.4 | 209.0 | 210.7 |
| #3 | 193.5 | 4715. | 4806. | 195.3 | 196.7 | 194.9 | 5104. | 198.8 | 194.3 | 212.5 | 209.4 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5101. | 5060. | 4977. | 5088. | 211.7 | 4934. | 200.5 | 199.6 | 198.5 | 198.3 | 199.0 |
| Stddev | 19. | 25. | 35. | 43. | .6 | 11. | .8 | 2.3 | 4.1 | 3.0 | 1.4 |
| %RSD | .3737 | .5011 | .7086 | .8366 | .2851 | .2235 | .3870 | 1.177 | 2.064 | 1.496 | .6909 |
| #1 | 5090. | 5034. | 5017. | 5056. | 211.1 | 4939. | 201.4 | 202.3 | 201.7 | 201.6 | 198.2 |
| #2 | 5091. | 5060. | 4949. | 5072. | 211.7 | 4941. | 199.8 | 198.4 | 199.9 | 197.4 | 198.2 |
| #3 | 5123. | 5085. | 4966. | 5136. | 212.3 | 4921. | 200.4 | 198.1 | 193.9 | 195.9 | 200.5 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.3 | 202.8 | 201.1 | 204.2 | 200.8 | 4950. | 4955. | 197.4 | 202.0 |
| Stddev | 2.0 | 4.0 | .3 | .6 | 4.1 | 44. | 42. | 1.7 | 1.0 |
| %RSD | 1.027 | 1.962 | .1720 | .2705 | 2.046 | .8834 | .8523 | .8364 | .4779 |
| #1 | 198.0 | 206.0 | 201.5 | 203.6 | 204.3 | 4904. | 4956. | 196.3 | 201.8 |
| #2 | 198.3 | 204.0 | 200.9 | 204.6 | 201.8 | 4956. | 4912. | 196.6 | 203.1 |
| #3 | 201.7 | 198.3 | 200.9 | 204.3 | 196.2 | 4991. | 4997. | 199.3 | 201.2 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20051. | 36969. | 19264. |
| Stddev | 207. | 224. | 345. |
| %RSD | 1.0337 | .60529 | 1.7916 |
| #1 | 19921. | 36749. | 19475. |
| #2 | 20290. | 37196. | 19451. |
| #3 | 19943. | 36963. | 18866. |

Sample Name: ICB Acquired: 9/28/2011 9:44:47 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -0.160 | -3.275 | -1.480 | .8639 | .2832 | .1669 | -4.745 | .0965 | .1136 | -.4111 | -.0547 |
| Stddev | .2635 | 1.426 | 12.24 | 2.177 | .0800 | .1131 | 2.189 | .0821 | .3095 | .3505 | .4399 |
| %RSD | 1642. | 43.55 | 826.9 | 252.0 | 28.23 | 67.80 | 46.13 | 85.02 | 272.5 | 85.28 | 804.9 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|--------|-------|--------|--------|--------|
| #1 | -.3123 | -3.812 | -13.25 | -1.409 | .2873 | .2829 | -3.976 | .0546 | .0032 | -.6599 | .4462 |
| #2 | .1920 | -1.658 | 11.17 | 2.930 | .2012 | .1608 | -7.214 | .0439 | .4632 | -.0102 | -.3786 |
| #3 | .0722 | -4.354 | -2.362 | 1.071 | .3610 | .0569 | -3.044 | .1911 | -.1256 | -.5631 | -.2316 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.606 | -4.948 | -91.55 | 3.920 | .0403 | -114.4 | -.1088 | .1888 | .3218 | -3.359 | -2.119 |
| Stddev | .195 | 3.302 | 40.59 | 8.799 | .0566 | 8.4 | .5684 | 1.696 | 2.114 | 2.698 | .281 |
| %RSD | 12.16 | 66.74 | 44.33 | 224.5 | 140.4 | 7.377 | 522.5 | 898.2 | 656.9 | 80.31 | 13.28 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -1.828 | -7.637 | -99.79 | .2397 | .0733 | -109.8 | -.6771 | -1.727 | -1.948 | -2.148 | -1.869 |
| #2 | -1.461 | -5.946 | -127.4 | 13.96 | .0725 | -109.4 | .4596 | 1.497 | 2.234 | -6.451 | -2.423 |
| #3 | -1.528 | -1.262 | -47.48 | -2.441 | -.0250 | -124.2 | -.1088 | .7970 | .6795 | -1.479 | -2.065 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0887 | -4.652 | .0976 | -.1699 | 1.986 | -.2268 | 14.29 | -.0430 | -.4896 |
| Stddev | .3756 | .377 | .3852 | .1301 | 1.068 | 1.002 | 11.98 | .5997 | 1.534 |
| %RSD | 423.7 | 8.113 | 394.9 | 76.54 | 53.79 | 441.6 | 83.85 | 1395. | 313.4 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|-------|--------|--------|
| #1 | -.3018 | -4.967 | -.2782 | -.3083 | 1.956 | -.6152 | 23.91 | .5255 | 1.215 |
| #2 | .1205 | -4.234 | .4916 | -.1512 | 3.069 | .9109 | .8690 | .0151 | -.9214 |
| #3 | .4473 | -4.756 | .0793 | -.0502 | .9333 | -.9762 | 18.08 | -.6696 | -1.762 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 19843. | 35900. | 18826. |
| Stddev | 31. | 358. | 46. |
| %RSD | .15806 | .99760 | .24437 |

| | | | |
|----|--------|--------|--------|
| #1 | 19879. | 36291. | 18782. |
| #2 | 19828. | 35823. | 18822. |
| #3 | 19821. | 35587. | 18874. |

Sample Name: RL Acquired: 9/28/2011 9:49:38 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.922 | 88.13 | 97.27 | 7.915 | 100.6 | 3.023 | 501.6 | 3.037 | 20.21 | 4.859 | 10.30 |
| Stddev | .453 | .69 | 4.76 | 3.576 | .4 | .285 | 5.0 | .041 | .24 | .605 | .16 |
| %RSD | 9.203 | .7875 | 4.890 | 45.19 | .4137 | 9.431 | .9879 | 1.351 | 1.209 | 12.44 | 1.579 |
| #1 | 4.455 | 87.37 | 101.1 | 5.860 | 100.3 | 3.335 | 497.7 | 3.063 | 19.99 | 5.092 | 10.12 |
| #2 | 5.360 | 88.29 | 91.94 | 5.840 | 100.4 | 2.957 | 500.0 | 3.058 | 20.16 | 5.312 | 10.35 |
| #3 | 4.951 | 88.74 | 98.80 | 12.04 | 101.1 | 2.777 | 507.2 | 2.990 | 20.47 | 4.172 | 10.43 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 51.01 | 50.43 | 432.9 | 525.4 | 5.355 | 875.5 | 20.40 | 10.37 | 18.14 | 19.47 | 20.72 |
| Stddev | .19 | 1.99 | 15.0 | 13.7 | .009 | 10.3 | .49 | .90 | 3.15 | .99 | .83 |
| %RSD | .3756 | 3.940 | 3.455 | 2.603 | .1778 | 1.174 | 2.423 | 8.684 | 17.38 | 5.062 | 4.023 |
| #1 | 50.95 | 52.47 | 430.6 | 517.8 | 5.345 | 873.3 | 20.38 | 9.481 | 16.17 | 18.52 | 21.50 |
| #2 | 50.86 | 50.33 | 419.3 | 517.1 | 5.364 | 866.6 | 20.90 | 11.28 | 16.47 | 19.41 | 20.81 |
| #3 | 51.23 | 48.50 | 448.9 | 541.2 | 5.356 | 886.8 | 19.91 | 10.34 | 21.78 | 20.49 | 19.85 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.35 | 14.28 | 10.31 | 10.10 | 9.707 | 487.4 | 503.2 | 10.80 | 11.06 |
| Stddev | .24 | .23 | .24 | .12 | 1.274 | 2.3 | 13.2 | .56 | .25 |
| %RSD | 1.200 | 1.597 | 2.326 | 1.180 | 13.12 | .4733 | 2.614 | 5.142 | 2.258 |
| #1 | 20.19 | 14.48 | 10.41 | 10.24 | 11.06 | 488.3 | 489.6 | 11.14 | 10.78 |
| #2 | 20.23 | 14.03 | 10.48 | 10.05 | 9.533 | 484.8 | 515.9 | 11.11 | 11.16 |
| #3 | 20.63 | 14.34 | 10.04 | 10.02 | 8.529 | 489.2 | 503.9 | 10.16 | 11.25 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20030. | 36233. | 18103. |
| Stddev | 42. | 204. | 420. |
| %RSD | .20773 | .56401 | 2.3208 |
| #1 | 20036. | 36079. | 18324. |
| #2 | 20068. | 36465. | 18368. |
| #3 | 19986. | 36154. | 17619. |

Sample Name: 2RL Acquired: 9/28/2011 9:54:27 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.956 | 181.9 | 178.4 | 16.34 | 201.3 | 5.957 | 1023. | 6.048 | 40.65 | 11.43 | 21.12 |
| Stddev | .529 | 3.2 | 15.3 | .79 | 1.5 | .209 | 2. | .096 | .37 | .34 | .66 |
| %RSD | 5.318 | 1.764 | 8.598 | 4.843 | .7211 | 3.511 | .2076 | 1.593 | .9199 | 2.979 | 3.106 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 9.970 | 184.8 | 160.8 | 15.62 | 202.9 | 6.197 | 1026. | 6.145 | 40.83 | 11.80 | 21.36 |
| #2 | 9.419 | 178.4 | 189.3 | 17.19 | 200.0 | 5.816 | 1022. | 5.952 | 40.22 | 11.37 | 20.37 |
| #3 | 10.48 | 182.5 | 185.0 | 16.22 | 200.9 | 5.857 | 1023. | 6.046 | 40.89 | 11.13 | 21.62 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 101.2 | 99.43 | 910.4 | 1046. | 10.86 | 1876. | 40.70 | 18.18 | 40.35 | 38.58 | 38.99 |
| Stddev | .4 | 2.12 | 28.2 | 12. | .05 | 11. | .13 | 2.51 | 1.16 | 1.84 | 1.30 |
| %RSD | .4046 | 2.132 | 3.103 | 1.190 | .4364 | .5817 | .3291 | 13.82 | 2.873 | 4.758 | 3.327 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 101.6 | 98.82 | 935.2 | 1054. | 10.90 | 1888. | 40.59 | 19.22 | 41.67 | 37.27 | 38.20 |
| #2 | 101.3 | 97.68 | 879.6 | 1053. | 10.81 | 1875. | 40.66 | 20.00 | 39.90 | 40.68 | 40.48 |
| #3 | 100.8 | 101.8 | 916.3 | 1032. | 10.87 | 1866. | 40.85 | 15.31 | 39.49 | 37.81 | 38.28 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 40.77 | 36.89 | 20.60 | 20.52 | 19.82 | 987.1 | 998.3 | 20.45 | 21.00 |
| Stddev | .82 | .60 | .30 | .16 | 1.28 | 4.8 | 10.6 | .09 | .67 |
| %RSD | 2.009 | 1.632 | 1.461 | .7608 | 6.459 | .4887 | 1.062 | .4280 | 3.203 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 39.83 | 36.22 | 20.67 | 20.37 | 20.88 | 992.2 | 1005. | 20.50 | 21.78 |
| #2 | 41.31 | 37.06 | 20.27 | 20.68 | 20.19 | 986.4 | 986.0 | 20.50 | 20.68 |
| #3 | 41.17 | 37.39 | 20.86 | 20.51 | 18.40 | 982.7 | 1004. | 20.35 | 20.55 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20584. | 36617. | 17854. |
| Stddev | 290. | 437. | 141. |
| %RSD | 1.4109 | 1.1927 | .79138 |

| | | | |
|----|--------|--------|--------|
| #1 | 20442. | 36116. | 18016. |
| #2 | 20393. | 36822. | 17756. |
| #3 | 20919. | 36914. | 17790. |

Sample Name: IOS Acquired: 9/28/2011 9:59:15 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -8374 | 267600. | 286400. | -2.049 | 4122 | 3459 | 294900. | 1.553 | -6326 | .0326 | 4.398 |
| Stddev | .1873 | 3837. | 2104. | 4.027 | .2736 | .1507 | 3210. | .461 | .2358 | .4901 | .265 |
| %RSD | 22.37 | 1.433 | .7345 | 196.6 | 66.37 | 43.57 | 1.088 | 29.71 | 37.28 | 1501. | 6.024 |

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|----|--------|---------|---------|--------|-------|-------|---------|-------|--------|--------|-------|
| #1 | -.7578 | 272000. | 288800. | 1.326 | .7248 | .3087 | 295400. | 1.022 | -.5987 | -.4665 | 4.442 |
| #2 | -.7031 | 266200. | 284900. | -6.507 | .2165 | .5116 | 297800. | 1.784 | -.8835 | .5131 | 4.639 |
| #3 | -1.051 | 264800. | 285500. | -.9649 | .2953 | .2172 | 291500. | 1.853 | -.4156 | .0513 | 4.114 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 226100. | 286400. | -30.04 | 300800. | .1294 | 297000. | -2.383 | 5.043 | 3.405 | -6.117 | 1.016 |
| Stddev | 2577. | 2507. | 55.84 | 704. | .1247 | 4268. | .386 | .899 | 3.529 | 5.486 | 3.246 |
| %RSD | 1.140 | .8756 | 185.9 | .2339 | 96.35 | 1.437 | 16.19 | 17.82 | 103.6 | 89.70 | 319.3 |

| | | | | | | | | | | | |
|----|---------|---------|--------|---------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 229000. | 289200. | -67.24 | 301600. | .1309 | 301800. | -2.474 | 4.961 | 5.451 | -5.330 | 4.277 |
| #2 | 225200. | 285400. | -57.05 | 300300. | .0040 | 295400. | -2.714 | 4.188 | -.6698 | -11.95 | -2.214 |
| #3 | 224100. | 284500. | 34.17 | 300600. | .2533 | 293700. | -1.959 | 5.980 | 5.433 | -1.066 | .9860 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0335 | -7.836 | -2.398 | 1.422 | -6.771 | -18.51 | 3.828 | 1.005 | 2.360 |
| Stddev | .0871 | .263 | .655 | .047 | 1.412 | 1.22 | 9.075 | .131 | .948 |
| %RSD | 260.3 | 3.361 | 27.30 | 3.272 | 20.85 | 6.568 | 237.1 | 13.06 | 40.18 |

| | | | | | | | | | |
|----|--------|--------|--------|-------|--------|--------|--------|-------|-------|
| #1 | .0491 | -8.107 | -3.079 | 1.460 | -7.423 | -19.47 | 13.56 | .8532 | 1.758 |
| #2 | -.1245 | -7.819 | -1.773 | 1.370 | -7.739 | -17.14 | 2.334 | 1.082 | 1.870 |
| #3 | -.0250 | -7.581 | -2.342 | 1.436 | -5.151 | -18.92 | -4.408 | 1.079 | 3.453 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18368. | 34304. | 18446. |
| Stddev | 30. | 203. | 153. |
| %RSD | .16454 | .59263 | .82681 |

| | | | |
|----|--------|--------|--------|
| #1 | 18383. | 34070. | 18327. |
| #2 | 18388. | 34435. | 18393. |
| #3 | 18333. | 34407. | 18618. |

Sample Name: PBW B19P30 Acquired: 9/28/2011 10:04:46 Type: QC

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2769 | 21.58 | 24.57 | -3.927 | .4180 | -.0149 | 21.96 | -.2679 | -.0865 | .3708 | .0079 |
| Stddev | .3873 | 2.98 | 9.26 | 2.911 | .0298 | .2362 | 7.16 | .1192 | .2204 | .5342 | .2741 |
| %RSD | 139.9 | 13.83 | 37.68 | 74.12 | 7.141 | 1580. | 32.59 | 44.51 | 254.8 | 144.1 | 3464. |

| | | | | | | | | | | | |
|----|--------|-------|-------|--------|-------|--------|-------|--------|--------|--------|--------|
| #1 | -.6935 | 24.68 | 24.83 | -6.136 | .4510 | .2289 | 30.21 | -.2548 | .0094 | .5761 | -.1917 |
| #2 | -.2096 | 21.31 | 33.69 | -.6286 | .3929 | -.0310 | 18.15 | -.3932 | -.3386 | -.2356 | -.1050 |
| #3 | .0723 | 18.73 | 15.18 | -5.016 | .4100 | -.2427 | 17.51 | -.1558 | .0697 | .7718 | .3204 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.19 | 23.93 | -59.15 | 39.50 | -.2163 | -30.48 | .0902 | 1.877 | .2858 | -2.019 | -.7892 |
| Stddev | 3.58 | 5.16 | 5.88 | 7.28 | .0156 | 7.50 | .1662 | .867 | 2.299 | 3.864 | 1.354 |
| %RSD | 13.67 | 21.56 | 9.935 | 18.42 | 7.226 | 24.59 | 184.2 | 46.20 | 804.6 | 191.4 | 171.5 |

| | | | | | | | | | | | |
|----|-------|-------|--------|-------|--------|--------|--------|-------|--------|--------|--------|
| #1 | 30.19 | 29.70 | -52.94 | 34.68 | -.2112 | -22.85 | -.0511 | 2.842 | -.3295 | .0656 | -.4872 |
| #2 | 25.10 | 19.76 | -59.88 | 35.95 | -.2339 | -30.74 | .0485 | 1.162 | 2.830 | -6.477 | -2.268 |
| #3 | 23.28 | 22.32 | -64.63 | 47.88 | -.2039 | -37.84 | .2733 | 1.627 | -1.643 | .3553 | .3880 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0560 | -6.899 | -.2258 | -.3788 | -.5179 | -17.19 | 6.894 | -.7373 | .2400 |
| Stddev | .2960 | .495 | .4688 | .0584 | .6704 | .38 | 3.165 | .3404 | .5265 |
| %RSD | 528.8 | 7.177 | 207.6 | 15.41 | 129.5 | 2.192 | 45.90 | 46.17 | 219.4 |

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|----|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .3965 | -6.809 | .2410 | -.3916 | -.8194 | -17.63 | 7.185 | -.7814 | .8460 |
| #2 | -.0894 | -6.456 | -.2218 | -.3151 | -.9847 | -16.96 | 3.594 | -.3770 | -.0202 |
| #3 | -.1392 | -7.433 | -.6967 | -.4297 | .2504 | -16.99 | 9.903 | -1.053 | -.1058 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21297. | 38243. | 18533. |
| Stddev | 93. | 515. | 179. |
| %RSD | .43674 | 1.3458 | .96743 |

| | | | |
|----|--------|--------|--------|
| #1 | 21207. | 38382. | 18543. |
| #2 | 21292. | 37673. | 18707. |
| #3 | 21393. | 38674. | 18349. |

Sample Name: LCSW-1 B19P30 Acquired: 9/28/2011 10:09:34 Type: QC

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.9 | 4795. | 5021. | 196.2 | 193.5 | 192.9 | 5167. | 198.3 | 194.5 | 202.9 | 189.3 |
| Stddev | 1.7 | 60. | 14. | 3.4 | .4 | .4 | 21. | 1.6 | .8 | 1.6 | 2.0 |
| %RSD | .8942 | 1.260 | .2863 | 1.729 | .2070 | .1940 | .3992 | .8109 | .4127 | .7774 | 1.067 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 190.9 | 4775. | 5036. | 196.6 | 194.0 | 193.2 | 5183. | 199.3 | 194.0 | 204.6 | 187.6 |
| #2 | 190.9 | 4748. | 5021. | 199.3 | 193.4 | 192.5 | 5143. | 199.2 | 195.4 | 202.5 | 188.8 |
| #3 | 193.9 | 4863. | 5007. | 192.6 | 193.2 | 193.0 | 5174. | 196.5 | 194.0 | 201.5 | 191.6 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5213. | 5099. | 4999. | 5205. | 207.0 | 4944. | 196.6 | 201.5 | 191.3 | 197.8 | 190.9 |
| Stddev | 47. | 15. | 56. | 15. | 1.8 | 23. | .4 | 1.9 | 1.1 | 4.8 | .7 |
| %RSD | .9065 | .2896 | 1.115 | .2857 | .8702 | .4641 | .2229 | .9272 | .5622 | 2.410 | .3780 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5264. | 5104. | 5050. | 5190. | 208.9 | 4947. | 196.2 | 201.5 | 190.3 | 194.9 | 190.4 |
| #2 | 5205. | 5083. | 4939. | 5219. | 206.9 | 4965. | 197.0 | 203.3 | 191.1 | 203.3 | 190.6 |
| #3 | 5171. | 5111. | 5008. | 5206. | 205.3 | 4920. | 196.4 | 199.6 | 192.4 | 195.3 | 191.7 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 197.7 | 201.0 | 192.5 | 198.5 | 182.9 | F 165.8 | F 192.5 | 200.4 | 196.3 |
| Stddev | 1.1 | 5.5 | 1.4 | 1.3 | .9 | 4.8 | 6.8 | 1.8 | 2.1 |
| %RSD | .5391 | 2.733 | .7475 | .6401 | .4965 | 2.907 | 3.529 | .9176 | 1.088 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 197.0 | 205.3 | 191.0 | 198.2 | 183.9 | 161.3 | 186.6 | 201.4 | 196.6 |
| #2 | 197.2 | 202.9 | 192.7 | 197.4 | 182.1 | 165.4 | 190.9 | 201.6 | 198.3 |
| #3 | 198.9 | 194.8 | 193.9 | 199.9 | 182.9 | 170.9 | 199.9 | 198.3 | 194.0 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Fail | Chk Pass | Chk Pass |
| Value | | | | | | 5000. | 5000. | | |
| Range | | | | | | -20.00% | -20.00% | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20818. | 37055. | 18503. |
| Stddev | 232. | 362. | 59. |
| %RSD | 1.1148 | .97774 | .31699 |

| | | | |
|----|--------|--------|--------|
| #1 | 20789. | 37279. | 18566. |
| #2 | 21064. | 37249. | 18450. |
| #3 | 20603. | 36637. | 18493. |

Sample Name: LCSW-2 B19P30 Acquired: 9/28/2011 10:14:13 Type: QC

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 189.6 | 4729. | 4960. | 190.8 | 191.3 | 190.4 | 5068. | 194.4 | 192.5 | 200.4 | 188.2 |
| Stddev | .6 | 23. | 45. | 1.3 | 2.1 | 1.6 | 39. | 1.8 | .4 | 1.7 | 2.0 |
| %RSD | .3190 | .4893 | .9021 | .6916 | 1.072 | .8661 | .7620 | .9041 | .1964 | .8269 | 1.041 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 190.2 | 4753. | 4987. | 192.1 | 191.8 | 191.3 | 5061. | 193.2 | 192.2 | 199.4 | 190.1 |
| #2 | 189.0 | 4707. | 4908. | 189.5 | 189.0 | 188.5 | 5034. | 193.6 | 192.9 | 202.3 | 188.2 |
| #3 | 189.7 | 4727. | 4985. | 190.9 | 193.0 | 191.5 | 5110. | 196.4 | 192.4 | 199.5 | 186.2 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5135. | 4996. | 4937. | 5076. | 204.4 | 4849. | 195.0 | 195.5 | 186.3 | 196.0 | 189.7 |
| Stddev | 54. | 69. | 39. | 54. | 1.7 | 66. | .3 | 2.4 | 2.3 | 3.1 | 1.6 |
| %RSD | 1.049 | 1.385 | .7851 | 1.067 | .8405 | 1.366 | .1407 | 1.230 | 1.254 | 1.572 | .8612 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5102. | 4998. | 4932. | 5073. | 203.2 | 4894. | 195.0 | 193.0 | 187.1 | 196.1 | 187.8 |
| #2 | 5107. | 4926. | 4978. | 5023. | 203.7 | 4772. | 195.2 | 197.8 | 188.1 | 199.0 | 190.2 |
| #3 | 5198. | 5065. | 4902. | 5132. | 206.4 | 4879. | 194.7 | 195.5 | 183.7 | 192.8 | 190.9 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 195.3 | 195.2 | 190.6 | 196.6 | 181.5 | F 161.9 | F 180.2 | 198.5 | 194.6 |
| Stddev | 1.1 | 4.4 | .2 | .3 | .7 | 2.0 | 17.0 | 1.3 | .7 |
| %RSD | .5603 | 2.250 | .1145 | .1279 | .3901 | 1.264 | 9.449 | .6361 | .3592 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 194.6 | 191.6 | 190.7 | 196.8 | 181.7 | 162.3 | 160.5 | 197.0 | 195.4 |
| #2 | 196.5 | 193.8 | 190.6 | 196.5 | 182.0 | 163.7 | 189.3 | 199.0 | 194.2 |
| #3 | 194.7 | 200.1 | 190.3 | 196.3 | 180.7 | 159.7 | 190.7 | 199.4 | 194.1 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Fail | Chk Pass | Chk Pass |
| Value | | | | | | 5000. | 5000. | | |
| Range | | | | | | -20.00% | -20.00% | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20575. | 36785. | 18199. |
| Stddev | 153. | 360. | 283. |
| %RSD | .74223 | .97920 | 1.5545 |

| | | | |
|----|--------|--------|--------|
| #1 | 20436. | 36369. | 18168. |
| #2 | 20551. | 37002. | 18496. |
| #3 | 20738. | 36984. | 17933. |

Sample Name: AN03637 Acquired: 9/28/2011 10:18:52 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|---------|----------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2393 | -30.85 | F -70.24 | 1.589 | 65.17 | .6133 | 131400. | -.1013 | -.1679 |
| Stddev | .4831 | .82 | 16.67 | 3.146 | .30 | .1828 | 1128. | .1223 | .2249 |
| %RSD | 201.9 | 2.658 | 23.74 | 197.9 | .4671 | 29.81 | .8584 | 120.8 | 134.0 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|---------|--------|--------|
| #1 | .5578 | -30.32 | -79.25 | -.0255 | 65.10 | .6788 | 130400. | .0154 | -.2591 |
| #2 | .4766 | -30.43 | -80.47 | -.4212 | 65.51 | .4067 | 131100. | -.0907 | .0883 |
| #3 | -.3165 | -31.79 | -51.00 | 5.215 | 64.91 | .7543 | 132600. | -.2286 | -.3328 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | 810000. | | | | | | |
| Low Limit | | | -50.00 | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.614 | 1.803 | 251.6 | 248.6 | 119100. | 349500. | 107.8 | F 2006000. | 1.146 |
| Stddev | .662 | .319 | 2.6 | 2.1 | 1210. | 2293. | .8 | 106500. | .531 |
| %RSD | 41.04 | 17.69 | 1.051 | .8356 | 1.016 | .6562 | .7058 | 5.308 | 46.31 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 1.235 | 1.919 | 248.8 | 247.7 | 117900. | 347200. | 107.1 | 2115000. | .5358 |
| #2 | 2.379 | 1.442 | 254.1 | 247.1 | 119000. | 349400. | 108.6 | 2000000. | 1.405 |
| #3 | 1.228 | 2.048 | 251.8 | 250.9 | 120400. | 351800. | 107.8 | 1902000. | 1.499 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3.605 | -2.183 | -1.477 | -1.449 | -.1639 | -4.761 | 3.089 | .4962 | 1273. |
| Stddev | 1.505 | 4.410 | 1.112 | 2.660 | .4096 | .389 | .305 | .0912 | 5. |
| %RSD | 41.76 | 202.1 | 75.32 | 183.5 | 250.0 | 8.173 | 9.858 | 18.38 | .4031 |

| | | | | | | | | | |
|----|-------|--------|--------|--------|--------|--------|-------|-------|-------|
| #1 | 5.106 | -6.090 | -.2332 | 1.261 | -.4741 | -4.760 | 3.317 | .5314 | 1276. |
| #2 | 3.613 | -3.057 | -2.377 | -1.554 | .3004 | -4.372 | 3.208 | .3926 | 1275. |
| #3 | 2.096 | 2.599 | -1.821 | -4.055 | -.3179 | -5.151 | 2.743 | .5645 | 1267. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3754. | 3669. | 2185. | -.3382 |
| Stddev | 21. | 38. | 19. | 1.438 |
| %RSD | .5520 | 1.049 | .8737 | 425.4 |

| | | | | |
|----|-------|-------|-------|--------|
| #1 | 3763. | 3625. | 2165. | 1.282 |
| #2 | 3770. | 3687. | 2203. | -.8328 |
| #3 | 3731. | 3695. | 2188. | -1.464 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18222. | 32868. | 17741. |
| Stddev | 402. | 558. | 55. |
| %RSD | 2.2078 | 1.6969 | .31080 |

| | | | |
|----|--------|--------|--------|
| #1 | 17771. | 32359. | 17687. |
| #2 | 18349. | 32780. | 17738. |
| #3 | 18545. | 33464. | 17797. |

Sample Name: AN03637 MS Acquired: 9/28/2011 10:23:47 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.6 | 5125. | 4900. | 211.8 | 254.2 | 184.5 | 130800. | 189.6 | 186.3 |
| Stddev | 1.6 | 63. | 39. | 4.4 | 1.4 | 1.7 | 81. | 1.3 | .6 |
| %RSD | .7969 | 1.228 | .8052 | 2.074 | .5646 | .8973 | .0616 | .6611 | .3428 |
| #1 | 204.5 | 5195. | 4945. | 215.9 | 254.8 | 186.2 | 130800. | 188.1 | 185.6 |
| #2 | 201.5 | 5105. | 4883. | 212.1 | 255.2 | 184.3 | 130800. | 190.2 | 186.3 |
| #3 | 201.9 | 5074. | 4872. | 207.2 | 252.5 | 182.9 | 130900. | 190.4 | 186.9 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 199.1 | 195.7 | 5238. | 5179. | 119500. | 344500. | 304.1 | F 1818000. | 187.7 |
| Stddev | 3.2 | 2.0 | 52. | 14. | 772. | 2192. | 2.7 | 146000. | 1.1 |
| %RSD | 1.593 | 1.039 | .9970 | .2651 | .6460 | .6363 | .8967 | 8.028 | .5824 |
| #1 | 195.6 | 198.0 | 5178. | 5166. | 118800. | 342700. | 300.9 | 1985000. | 186.5 |
| #2 | 199.7 | 194.1 | 5272. | 5193. | 119300. | 343900. | 305.3 | 1756000. | 187.9 |
| #3 | 201.8 | 195.0 | 5264. | 5177. | 120300. | 347000. | 306.0 | 1714000. | 188.7 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 195.0 | 192.2 | 203.6 | 175.0 | 192.8 | 198.5 | 188.2 | 195.4 | 1366. |
| Stddev | 3.3 | 3.8 | 3.0 | 1.1 | .8 | 2.4 | .9 | .2 | 10. |
| %RSD | 1.670 | 1.979 | 1.464 | .6530 | .4163 | 1.215 | .4544 | .0811 | .6994 |
| #1 | 194.0 | 196.5 | 201.0 | 173.7 | 192.9 | 195.7 | 187.5 | 195.6 | 1377. |
| #2 | 192.3 | 190.5 | 206.8 | 175.7 | 192.0 | 199.8 | 187.8 | 195.5 | 1361. |
| #3 | 198.6 | 189.4 | 203.0 | 175.6 | 193.6 | 200.0 | 189.1 | 195.3 | 1360. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3827. | 3748. | 2301. | 184.4 |
| Stddev | 15. | 8. | 24. | 2.3 |
| %RSD | .3830 | .2108 | 1.038 | 1.223 |
| #1 | 3831. | 3750. | 2274. | 183.0 |
| #2 | 3811. | 3754. | 2307. | 183.3 |
| #3 | 3840. | 3739. | 2321. | 187.0 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 19461. | 34804. | 17845. |
| Stddev | 327. | 256. | 133. |
| %RSD | 1.6813 | .73457 | .74409 |
| #1 | 19130. | 34591. | 17950. |
| #2 | 19470. | 34733. | 17889. |
| #3 | 19784. | 35087. | 17696. |

Sample Name: AN03637 SDL Acquired: 9/28/2011 10:28:34 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 5.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.8 | 4861. | 4905. | 193.5 | 252.1 | 183.7 | 134600. | 196.6 | 189.2 |
| Stddev | 3.0 | 53. | 108. | 18.6 | 4.3 | .7 | 394. | 1.2 | 1.1 |
| %RSD | 1.594 | 1.092 | 2.206 | 9.596 | 1.717 | .3821 | .2927 | .6345 | .5890 |
| #1 | 191.2 | 4899. | 4964. | 181.3 | 252.3 | 183.8 | 134700. | 195.6 | 190.2 |
| #2 | 186.7 | 4884. | 4781. | 214.8 | 247.7 | 182.9 | 134200. | 196.2 | 189.4 |
| #3 | 185.6 | 4801. | 4972. | 184.2 | 256.3 | 184.3 | 134900. | 198.0 | 188.0 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 203.6 | 189.1 | 5385. | 5214. | 113600. | 350600. | 310.0 | F 2516000. | 194.5 |
| Stddev | 2.4 | .3 | 20. | 87. | 567. | 3412. | 1.3 | 30010. | 1.5 |
| %RSD | 1.166 | .1527 | .3703 | 1.677 | .4988 | .9731 | .4075 | 1.193 | .7732 |
| #1 | 201.0 | 188.8 | 5403. | 5199. | 113600. | 348400. | 309.9 | 2536000. | 195.2 |
| #2 | 205.6 | 189.3 | 5364. | 5135. | 113100. | 349000. | 308.9 | 2531000. | 192.8 |
| #3 | 204.1 | 189.3 | 5390. | 5308. | 114200. | 354600. | 311.4 | 2482000. | 195.6 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 204.7 | 200.4 | 187.5 | 173.6 | 190.9 | 183.5 | 190.3 | 190.5 | 1362. |
| Stddev | 2.0 | 3.8 | 14.3 | 7.3 | 3.1 | 3.5 | 1.0 | .5 | 2. |
| %RSD | .9828 | 1.915 | 7.628 | 4.225 | 1.604 | 1.899 | .5403 | .2436 | .1570 |
| #1 | 206.9 | 197.8 | 180.6 | 167.2 | 193.4 | 179.5 | 190.6 | 191.0 | 1364. |
| #2 | 203.0 | 198.5 | 203.9 | 172.1 | 191.7 | 185.4 | 189.2 | 190.1 | 1362. |
| #3 | 204.3 | 204.8 | 178.0 | 181.6 | 187.5 | 185.6 | 191.1 | 190.3 | 1360. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3649. | 3668. | 2368. | 202.8 |
| Stddev | 45. | 51. | 7. | 3.3 |
| %RSD | 1.245 | 1.398 | .2761 | 1.639 |
| #1 | 3619. | 3701. | 2366. | 205.0 |
| #2 | 3701. | 3693. | 2363. | 198.9 |
| #3 | 3628. | 3609. | 2375. | 204.3 |

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|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21243. | 36841. | 17370. |
| Stddev | 107. | 135. | 200. |
| %RSD | .50528 | .36599 | 1.1525 |
| #1 | 21121. | 36792. | 17310. |
| #2 | 21284. | 36738. | 17593. |
| #3 | 21323. | 36994. | 17206. |

Sample Name: RINSE Acquired: 9/28/2011 10:33:27 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -0356 | -5.451 | -3.764 | -1.139 | .2786 | -.1398 | -7.433 | -.2690 | .0995 | -.0963 | -.1507 |
| Stddev | .5777 | .535 | 16.91 | 1.097 | .0600 | .1026 | 3.927 | .3452 | .2118 | .6160 | .5928 |
| %RSD | 1624. | 9.811 | 449.2 | 96.29 | 21.53 | 73.41 | 52.84 | 128.3 | 212.8 | 639.6 | 393.3 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -4.788 | -4.955 | 15.42 | -.8148 | .3258 | -.2126 | -8.779 | -.2749 | .0911 | .5456 | -.4327 |
| #2 | .6178 | -5.382 | -10.20 | -2.362 | .2111 | -.1843 | -3.009 | -.6111 | -.1079 | -.1520 | -.5498 |
| #3 | -.2458 | -6.018 | -16.51 | -.2410 | .2988 | -.0224 | -10.51 | .0791 | .3154 | -.6826 | .5304 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.125 | -6.762 | -11.54 | 3.383 | -.2572 | 845.0 | .0466 | 2.324 | .1005 | -2.542 | -.6629 |
| Stddev | .187 | .694 | 16.07 | 31.02 | .0094 | 84.1 | .4529 | 1.157 | .9767 | .228 | .9548 |
| %RSD | 3.653 | 10.27 | 139.2 | 916.8 | 3.657 | 9.958 | 972.3 | 49.78 | 972.2 | 8.982 | 144.0 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|
| #1 | -5.257 | -6.263 | 5.711 | -27.87 | -.2500 | 922.6 | -.2725 | .9888 | 1.219 | -2.385 | .4382 |
| #2 | -5.207 | -7.555 | -14.25 | 3.851 | -.2538 | 856.9 | -.1528 | 2.955 | -.3352 | -2.804 | -1.261 |
| #3 | -4.910 | -6.468 | -26.08 | 34.16 | -.2678 | 755.5 | .5650 | 3.028 | -.5826 | -2.437 | -1.165 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.009 | -7.960 | -.4098 | -.2224 | -.7673 | -.22.82 | 11.49 | -.9274 | -.2915 |
| Stddev | .6476 | .287 | .1864 | .1738 | .5805 | .84 | 6.97 | .5363 | .3489 |
| %RSD | 322.4 | 3.600 | 45.50 | 78.14 | 75.66 | 3.683 | 60.67 | 57.83 | 119.7 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | -.7190 | -8.291 | -.2786 | -.3785 | -.8984 | -21.89 | 3.919 | -1.462 | .0291 |
| #2 | .5252 | -7.781 | -.3275 | -.2535 | -.1324 | -23.53 | 12.92 | -.3890 | -.2404 |
| #3 | -.4087 | -7.810 | -.6232 | -.0351 | -1.271 | -23.04 | 17.64 | -.9316 | -.6632 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22219. | 38371. | 17689. |
| Stddev | 332. | 154. | 110. |
| %RSD | 1.4931 | .40007 | .62080 |

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|----|--------|--------|--------|
| #1 | 21998. | 38194. | 17613. |
| #2 | 22058. | 38472. | 17815. |
| #3 | 22600. | 38446. | 17639. |

Sample Name: RINSE Acquired: 9/28/2011 10:38:16 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.163 | -5.258 | -18.82 | -1.393 | .5573 | .1114 | -8.796 | -1.685 | .0645 | -.2876 | .1325 |
| Stddev | .6072 | .573 | 15.34 | 1.070 | .2433 | .1687 | 3.054 | .0154 | .2365 | .5236 | .2589 |
| %RSD | 522.1 | 10.90 | 81.48 | 76.81 | 43.66 | 151.5 | 34.72 | 9.164 | 366.6 | 182.1 | 195.4 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -.5845 | -5.763 | -1.882 | -1.769 | .2866 | .2889 | -9.759 | -.1595 | -.1818 | -.1942 | .0076 |
| #2 | -.3343 | -4.635 | -31.76 | -2.224 | .6274 | -.0467 | -11.25 | -.1863 | .0855 | -.8516 | -.0403 |
| #3 | .5698 | -5.375 | -22.83 | -.1858 | .7579 | .0919 | -5.377 | -.1597 | .2899 | .1831 | .4301 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5.041 | -9.326 | -81.33 | -9.880 | -.3031 | 409.3 | .0481 | -1.467 | 1.115 | -.7490 | -.5883 |
| Stddev | .285 | 2.318 | 21.22 | 18.45 | .0913 | 29.6 | .1766 | .713 | 2.922 | 2.981 | 1.818 |
| %RSD | 5.649 | 24.85 | 26.10 | 186.8 | 30.11 | 7.241 | 367.0 | 48.57 | 262.0 | 397.9 | 309.0 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| #1 | -4.955 | -8.885 | -61.91 | 5.385 | -.3931 | 441.2 | .2121 | -1.585 | 2.912 | -1.873 | 1.170 |
| #2 | -5.358 | -11.83 | -78.10 | -30.39 | -.3054 | 404.3 | .0712 | -.7026 | -2.256 | 2.630 | -2.460 |
| #3 | -4.809 | -7.260 | -104.0 | -4.635 | -.2106 | 382.5 | -.1389 | -2.113 | 2.690 | -3.004 | -.4743 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0132 | -7.935 | -.3806 | -.4679 | -.9960 | -17.26 | .9898 | -.8943 | .8709 |
| Stddev | .5631 | .376 | .0697 | .1647 | .5198 | 3.04 | 10.90 | .0728 | .1519 |
| %RSD | 4259. | 4.739 | 18.31 | 35.20 | 52.18 | 17.63 | 1101. | 8.141 | 17.44 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| #1 | .0193 | -8.084 | -.3388 | -.5047 | -1.595 | -13.89 | -10.63 | -.9112 | 1.040 |
| #2 | -.5919 | -7.508 | -.3419 | -.6110 | -.7270 | -19.82 | 2.604 | -.8145 | .8284 |
| #3 | .5330 | -8.214 | -.4610 | -.2879 | -.6660 | -18.06 | 10.99 | -.9572 | .7448 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21226. | 37309. | 17746. |
| Stddev | 170. | 305. | 327. |
| %RSD | .80319 | .81824 | 1.8404 |

| | | | |
|----|--------|--------|--------|
| #1 | 21045. | 37300. | 18123. |
| #2 | 21383. | 37619. | 17583. |
| #3 | 21250. | 37009. | 17534. |

Sample Name: AN03637 X10 Acquired: 9/28/2011 10:43:04 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|---------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5471 | -11.93 | -8.775 | -3.435 | 6.939 | -0.010 | 13620. | -2156 | .1019 | -4499 | -0.0203 |
| Stddev | .3142 | 2.23 | 4.266 | 1.996 | .495 | .4055 | 121. | .0695 | .2488 | .2541 | .0453 |
| %RSD | 57.43 | 18.68 | 48.62 | 58.09 | 7.133 | 39570. | .8911 | 32.21 | 244.2 | 56.49 | 223.0 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -5983 | -10.41 | -4.611 | -4.584 | 6.368 | -.3361 | 13520. | -.2941 | .3891 | -.6899 | -.0553 |
| #2 | -.8325 | -14.48 | -13.14 | -1.131 | 7.241 | -.1168 | 13590. | -.1907 | -.0345 | -.1837 | .0308 |
| #3 | -.2104 | -10.89 | -8.578 | -4.591 | 7.208 | .4498 | 13760. | -.1621 | -.0489 | -.4761 | -.0364 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 21.42 | 19.76 | 11200. | 36330. | 10.80 | 277800. | -.3465 | 3.312 | -2.976 | -.2549 | -.5315 |
| Stddev | .28 | .24 | 61. | 31. | .14 | 10770. | .2816 | .215 | 3.372 | 2.393 | 2.714 |
| %RSD | 1.287 | 1.195 | .5422 | .0846 | 1.253 | 3.876 | 81.25 | 6.501 | 113.3 | 939.2 | 510.6 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 21.71 | 19.93 | 11150. | 36350. | 10.87 | 280000. | -.6634 | 3.107 | -4.263 | -1.421 | -3.659 |
| #2 | 21.17 | 19.49 | 11270. | 36340. | 10.65 | 266100. | -.2513 | 3.294 | .8491 | -1.842 | 1.202 |
| #3 | 21.39 | 19.87 | 11190. | 36290. | 10.89 | 287200. | -.1249 | 3.536 | -5.515 | 2.498 | .8621 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0622 | -6.996 | .1105 | -.4905 | 126.0 | 350.4 | 363.2 | 228.2 | .2572 |
| Stddev | .1972 | .258 | .1621 | .1285 | .9 | 1.6 | 15.9 | 1.6 | .6959 |
| %RSD | 317.3 | 3.693 | 146.7 | 26.20 | .7532 | .4650 | 4.388 | .7179 | 270.6 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -.2363 | -7.288 | .0583 | -.3866 | 126.0 | 352.0 | 354.5 | 230.0 | -.2450 |
| #2 | .1520 | -6.906 | -.0190 | -.4507 | 127.0 | 350.5 | 353.6 | 226.8 | 1.052 |
| #3 | -.1022 | -6.795 | .2922 | -.6342 | 125.1 | 348.7 | 381.6 | 227.8 | -.0350 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21027. | 37287. | 17549. |
| Stddev | 80. | 290. | 306. |
| %RSD | .38045 | .77906 | 1.7415 |

| | | | |
|----|--------|--------|--------|
| #1 | 21089. | 37496. | 17624. |
| #2 | 20936. | 37410. | 17810. |
| #3 | 21054. | 36955. | 17213. |

Sample Name: AN03639 X10 Acquired: 9/28/2011 10:48:00 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|---------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4077 | -10.38 | -11.75 | -2551 | 4.334 | -0.0194 | 12250. | -2813 | .1054 | -0.0381 | -2.754 |
| Stddev | .6203 | 2.20 | 4.57 | 2.033 | .483 | .3004 | 145. | .2093 | .0653 | .3460 | .2801 |
| %RSD | 152.2 | 21.17 | 38.87 | 797.0 | 11.15 | 1548. | 1.180 | 74.41 | 61.97 | 908.0 | 101.7 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|-------|--------|--------|
| #1 | -9.795 | -8.031 | -15.45 | 2.053 | 4.829 | -2.174 | 12080. | -5096 | .0518 | -.4198 | .0279 |
| #2 | -.4953 | -12.39 | -13.15 | -1.035 | 4.310 | .3263 | 12340. | -.0984 | .0862 | .0507 | -.3294 |
| #3 | .2518 | -10.72 | -6.644 | -1.783 | 3.863 | -.1670 | 12330. | -.2358 | .1781 | .2548 | -.5245 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36.72 | 32.66 | 10590. | 33910. | 17.69 | 269100. | .5110 | 4.955 | -.9343 | -1.342 | -.3232 |
| Stddev | .14 | 1.89 | 61. | 412. | .08 | 673. | .4952 | 1.275 | 1.751 | 1.665 | .8968 |
| %RSD | .3928 | 5.797 | .5731 | 1.215 | .4592 | .2500 | 96.91 | 25.73 | 187.4 | 124.1 | 277.5 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 36.57 | 31.99 | 10520. | 33440. | 17.60 | 269000. | -.0162 | 6.120 | -1.040 | -3.249 | -.5136 |
| #2 | 36.73 | 31.19 | 10610. | 34200. | 17.71 | 268500. | .5828 | 5.153 | -2.630 | -.6030 | -1.109 |
| #3 | 36.85 | 34.80 | 10630. | 34090. | 17.75 | 269800. | .9664 | 3.593 | .8675 | -.1744 | .6536 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1452 | -6.929 | .0151 | -.4779 | 121.0 | 304.1 | 320.3 | 212.1 | -1.022 |
| Stddev | .0319 | .281 | .5040 | .0881 | 1.1 | 2.6 | 7.9 | .5 | .454 |
| %RSD | 21.97 | 4.051 | 3338. | 18.43 | .8726 | .8545 | 2.459 | .2379 | 44.43 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -.1766 | -6.732 | -.4897 | -.3928 | 122.2 | 306.1 | 328.6 | 212.3 | -.9582 |
| #2 | -.1463 | -7.250 | .5184 | -.4722 | 120.6 | 305.1 | 319.2 | 212.4 | -1.504 |
| #3 | -.1128 | -6.803 | .0166 | -.5687 | 120.3 | 301.2 | 312.9 | 211.5 | -.6032 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20973. | 36378. | 17934. |
| Stddev | 225. | 680. | 350. |
| %RSD | 1.0712 | 1.8688 | 1.9503 |

| | | | |
|----|--------|--------|--------|
| #1 | 20737. | 35594. | 18338. |
| #2 | 20996. | 36734. | 17737. |
| #3 | 21185. | 36806. | 17727. |

Sample Name: CCV Acquired: 9/28/2011 10:52:54 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 187.9 | 4470. | 4806. | 201.9 | 195.5 | 190.9 | 5142. | 208.2 | 198.0 | 216.4 | 199.3 |
| Stddev | .8 | 18. | 1. | 1.4 | .4 | .7 | 13. | .5 | .3 | 3.0 | .8 |
| %RSD | .4505 | .3946 | .0263 | .7027 | .2070 | .3848 | .2593 | .2417 | .1756 | 1.383 | .3979 |
| #1 | 187.7 | 4457. | 4807. | 201.6 | 195.5 | 190.0 | 5137. | 208.8 | 197.9 | 219.7 | 199.2 |
| #2 | 187.2 | 4490. | 4805. | 200.7 | 195.9 | 191.3 | 5157. | 207.8 | 198.4 | 213.8 | 200.1 |
| #3 | 188.8 | 4463. | 4805. | 203.4 | 195.1 | 191.3 | 5131. | 208.1 | 197.7 | 215.7 | 198.5 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5237. | 5125. | 5057. | 5266. | 216.5 | 5183. | 204.4 | 207.5 | 195.8 | 204.2 | 198.7 |
| Stddev | 71. | 12. | 104. | 37. | 2.3 | 14. | .2 | 2.6 | 1.7 | 1.2 | 3.1 |
| %RSD | 1.356 | .2349 | 2.046 | .7028 | 1.050 | .2636 | .0786 | 1.255 | .8851 | .5993 | 1.546 |
| #1 | 5225. | 5120. | 4957. | 5297. | 216.3 | 5175. | 204.6 | 209.4 | 193.8 | 204.1 | 196.7 |
| #2 | 5173. | 5115. | 5164. | 5225. | 214.4 | 5198. | 204.2 | 204.5 | 197.2 | 203.0 | 197.2 |
| #3 | 5313. | 5138. | 5051. | 5275. | 218.9 | 5175. | 204.4 | 208.5 | 196.3 | 205.4 | 202.2 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.3 | 221.9 | 196.9 | 200.5 | 190.4 | 4951. | 4956. | 205.3 | 211.1 |
| Stddev | .8 | 1.1 | .5 | .3 | .4 | 24. | 24. | 1.2 | 1.0 |
| %RSD | .3920 | .5012 | .2631 | .1698 | .2324 | .4939 | .4820 | .5962 | .4765 |
| #1 | 201.1 | 222.7 | 197.5 | 200.2 | 190.4 | 4979. | 4935. | 206.0 | 210.1 |
| #2 | 199.6 | 220.6 | 196.7 | 200.9 | 189.9 | 4932. | 4982. | 203.9 | 211.1 |
| #3 | 200.1 | 222.4 | 196.6 | 200.5 | 190.8 | 4944. | 4950. | 206.0 | 212.1 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21939. | 38397. | 18232. |
| Stddev | 400. | 505. | 269. |
| %RSD | 1.8229 | 1.3157 | 1.4741 |
| #1 | 22355. | 38978. | 18438. |
| #2 | 21557. | 38065. | 18330. |
| #3 | 21905. | 38147. | 17928. |

Sample Name: CCB Acquired: 9/28/2011 10:57:33 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2483 | -5.049 | -5.053 | .7353 | .4533 | .0726 | -11.60 | -1702 | -1646 | -7180 | -3351 |
| Stddev | .1439 | .739 | 10.00 | 1.861 | .1139 | .1241 | 1.61 | .1563 | .1639 | .2203 | .3559 |
| %RSD | 57.95 | 14.63 | 197.9 | 253.2 | 25.13 | 171.0 | 13.86 | 91.85 | 99.60 | 30.68 | 106.2 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -3579 | -5.368 | 5.699 | -5303 | .5813 | -.0348 | -13.29 | -.1909 | -.0999 | -.7814 | -.2180 |
| #2 | -3017 | -5.575 | -6.782 | 2.873 | .3632 | .0440 | -11.42 | -.0045 | -.3510 | -.8996 | -.7348 |
| #3 | -.0854 | -4.205 | -14.08 | -.1364 | .4155 | .2085 | -10.09 | -.3151 | -.0429 | -.4730 | -.0526 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.651 | -6.247 | -126.1 | 12.99 | -.2372 | 76.34 | .0267 | 1.350 | -1.352 | -4.160 | -.3221 |
| Stddev | .170 | 2.264 | 36.0 | 20.35 | .0312 | 17.18 | .0899 | 1.238 | 2.688 | 2.172 | .4976 |
| %RSD | 3.659 | 36.24 | 28.56 | 156.7 | 13.15 | 22.50 | 336.8 | 91.70 | 198.9 | 52.21 | 154.5 |

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|----|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| #1 | -4.787 | -5.978 | -96.90 | -4.972 | -.2173 | 90.31 | .0486 | -.0718 | -3.690 | -1.708 | -.8102 |
| #2 | -4.707 | -8.634 | -166.4 | 8.850 | -.2212 | 81.56 | .1037 | 2.190 | -1.951 | -4.931 | -.3407 |
| #3 | -4.460 | -4.130 | -115.1 | 35.09 | -.2731 | 57.17 | -.0721 | 1.932 | 1.585 | -5.841 | .1845 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2042 | -6.753 | -.0933 | -.3759 | -1.960 | -20.52 | -6.552 | -.1291 | .1440 |
| Stddev | .4872 | .443 | .2939 | .0935 | .276 | .90 | 15.61 | .2589 | .2427 |
| %RSD | 238.6 | 6.566 | 315.0 | 24.89 | 14.08 | 4.367 | 238.3 | 200.6 | 168.5 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.5183 | -6.802 | -.4250 | -.2720 | -2.001 | -20.37 | 10.12 | .1606 | .3107 |
| #2 | .3570 | -6.287 | .0103 | -.4536 | -1.666 | -19.71 | -20.82 | -.2099 | .2558 |
| #3 | -.4513 | -7.170 | .1348 | -.4020 | -2.213 | -21.48 | -8.955 | -.3379 | -.1344 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21625. | 38666. | 18443. |
| Stddev | 104. | 625. | 171. |
| %RSD | .48173 | 1.6171 | .92963 |

| | | | |
|----|--------|--------|--------|
| #1 | 21587. | 37945. | 18261. |
| #2 | 21743. | 39054. | 18465. |
| #3 | 21546. | 39000. | 18602. |

Sample Name: AN03641 X10 Acquired: 9/28/2011 11:02:21 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5648 | -10.42 | -18.93 | .1458 | 11.58 | -.0921 | 15900. | -.1006 | -.1126 | -.6256 | -.2288 |
| Stddev | .3504 | .84 | 1.69 | 1.724 | .33 | .2658 | 121. | .1791 | .2464 | .5739 | .0464 |
| %RSD | 62.04 | 8.034 | 8.939 | 1183. | 2.871 | 288.7 | .7602 | 178.0 | 218.8 | 91.73 | 20.26 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -.9046 | -9.507 | -20.84 | 2.137 | 11.19 | -.0602 | 16030. | .0577 | -.2475 | -1.167 | -.2561 |
| #2 | -.5850 | -11.15 | -18.35 | -.8401 | 11.76 | -.3723 | 15790. | -.2951 | .1718 | -.0237 | -.2550 |
| #3 | -.2047 | -10.59 | -17.61 | -.8595 | 11.78 | .1564 | 15870. | -.0644 | -.2621 | -.6867 | -.1753 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.955 | 2.392 | 12630. | 35710. | 186.0 | 294600. | .0099 | 1.597 | 2.116 | -3.227 | -.2433 |
| Stddev | .257 | 2.573 | 55. | 144. | .8 | 2876. | .1920 | 1.216 | 1.344 | 1.256 | .2635 |
| %RSD | 13.16 | 107.6 | .4345 | .4045 | .4209 | .9762 | 1948. | 76.11 | 63.53 | 38.91 | 108.3 |

| | | | | | | | | | | | |
|----|-------|--------|--------|--------|-------|---------|--------|-------|-------|--------|--------|
| #1 | 2.043 | -.3727 | 12660. | 35760. | 185.5 | 291400. | -.2059 | .4957 | 1.307 | -3.780 | -.4994 |
| #2 | 2.156 | 4.716 | 12570. | 35550. | 186.9 | 295300. | .1616 | 2.901 | 3.668 | -4.111 | .0270 |
| #3 | 1.665 | 2.831 | 12660. | 35830. | 185.6 | 297000. | .0739 | 1.394 | 1.373 | -1.790 | -.2574 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1953 | -7.061 | -.6509 | -.3385 | 156.5 | 635.8 | 625.4 | 240.1 | -.2689 |
| Stddev | .4177 | .145 | .2345 | .0830 | .8 | 3.8 | 5.3 | 1.5 | .6522 |
| %RSD | 213.8 | 2.051 | 36.02 | 24.52 | .5257 | .5958 | .8535 | .6280 | 242.5 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -.0026 | -6.915 | -.8652 | -.4241 | 155.8 | 631.4 | 624.3 | 238.3 | .4783 |
| #2 | -.6746 | -7.204 | -.6870 | -.2584 | 156.1 | 638.2 | 631.1 | 241.1 | -.7235 |
| #3 | .0911 | -7.062 | -.4004 | -.3329 | 157.4 | 637.6 | 620.6 | 240.8 | -.5617 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21633. | 37813. | 18810. |
| Stddev | 219. | 186. | 85. |
| %RSD | 1.0135 | .49113 | .45360 |

| | | | |
|----|--------|--------|--------|
| #1 | 21524. | 37969. | 18776. |
| #2 | 21886. | 37864. | 18907. |
| #3 | 21490. | 37608. | 18746. |

Sample Name: AN03643 X10 Acquired: 9/28/2011 11:07:17 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0853 | -11.44 | -20.22 | -1.949 | 4.425 | -.0156 | 11640. | -.1597 | .0370 | .0964 | -.1847 |
| Stddev | .3950 | 1.15 | 6.32 | 1.541 | .197 | .0181 | 88. | .1280 | .1777 | .7511 | .2665 |
| %RSD | 463.3 | 10.09 | 31.26 | 79.08 | 4.450 | 116.2 | .7542 | 80.18 | 480.6 | 778.8 | 144.3 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | .5383 | -10.75 | -27.30 | -3.195 | 4.247 | -.0102 | 11580. | -.0243 | -.1120 | .9626 | -.4449 |
| #2 | -.0953 | -12.77 | -18.20 | -2.428 | 4.391 | -.0357 | 11600. | -.2788 | -.0107 | -.2980 | -.1971 |
| #3 | -.1873 | -10.80 | -15.16 | -.2253 | 4.636 | -.0008 | 11740. | -.1758 | .2337 | -.3753 | .0878 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.80 | 23.91 | 9496. | 28490. | 7.861 | 228000. | .5060 | 2.780 | .0881 | -4.400 | .4322 |
| Stddev | .39 | 2.86 | 50. | 179. | .068 | 2383. | .2446 | 2.168 | 3.378 | 2.914 | .7429 |
| %RSD | 1.457 | 11.95 | .5243 | .6282 | .8637 | 1.045 | 48.34 | 77.99 | 3834. | 66.23 | 171.9 |

| | | | | | | | | | | | |
|----|-------|-------|-------|--------|-------|---------|-------|-------|--------|--------|--------|
| #1 | 26.47 | 21.02 | 9529. | 28400. | 7.810 | 225800. | .7832 | .2830 | -2.047 | -3.173 | .1023 |
| #2 | 26.70 | 26.73 | 9520. | 28380. | 7.835 | 227800. | .4143 | 4.184 | 3.983 | -2.299 | 1.283 |
| #3 | 27.23 | 23.98 | 9439. | 28700. | 7.938 | 230500. | .3205 | 3.874 | -1.672 | -7.727 | -.0886 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .3165 | -6.362 | .0180 | -.5490 | 113.5 | 428.3 | 431.4 | 183.6 | .2172 |
| Stddev | .2188 | .220 | .3290 | .0762 | 1.1 | .7 | 18.1 | .4 | 1.006 |
| %RSD | 69.12 | 3.458 | 1823. | 13.87 | .9406 | .1559 | 4.190 | .2214 | 463.2 |

| | | | | | | | | | |
|----|-------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | .4100 | -6.272 | .2978 | -.6296 | 114.8 | 428.7 | 420.2 | 183.1 | 1.315 |
| #2 | .4731 | -6.613 | -.3444 | -.5390 | 113.0 | 428.5 | 421.8 | 183.7 | -.0026 |
| #3 | .0666 | -6.202 | .1008 | -.4783 | 112.9 | 427.5 | 452.3 | 183.9 | -.6609 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22115. | 38532. | 18693. |
| Stddev | 315. | 330. | 379. |
| %RSD | 1.4245 | .85751 | 2.0260 |

| | | | |
|----|--------|--------|--------|
| #1 | 21853. | 38211. | 18960. |
| #2 | 22028. | 38515. | 18859. |
| #3 | 22465. | 38871. | 18260. |

Sample Name: AN03645 X10 Acquired: 9/28/2011 11:12:12 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3209 | -10.98 | -4.890 | -6843 | 10.95 | -0.929 | 15310. | -2335 | .0724 | -4728 | -2908 |
| Stddev | .5637 | .20 | 10.43 | 3.239 | .36 | .3443 | 100. | .0974 | .1118 | .1832 | .3030 |
| %RSD | 175.6 | 1.780 | 213.3 | 473.3 | 3.290 | 370.4 | .6509 | 41.71 | 154.5 | 38.75 | 104.2 |

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|----|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| #1 | -8371 | -11.17 | -4.159 | 2.173 | 10.55 | -4897 | 15290. | -1403 | -.0550 | -6792 | .0471 |
| #2 | .2805 | -10.78 | -15.66 | -.0228 | 11.05 | .1270 | 15220. | -.3346 | .1541 | -.4093 | -.3809 |
| #3 | -.4063 | -11.00 | 5.154 | -4.203 | 11.25 | .0839 | 15420. | -.2256 | .1181 | -.3297 | -.5384 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 18.75 | 16.37 | 13080. | 39920. | 22.75 | 310500. | -.3612 | 1.414 | -1.109 | -3.113 | .1503 |
| Stddev | .95 | 3.31 | 123. | 280. | .36 | 4242. | .4766 | 1.054 | 2.348 | 2.192 | 1.864 |
| %RSD | 5.057 | 20.22 | .9361 | .7007 | 1.587 | 1.366 | 132.0 | 74.55 | 211.7 | 70.41 | 1240. |

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|----|-------|-------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 19.72 | 19.34 | 13030. | 39690. | 23.16 | 315300. | -.9114 | 2.121 | -1.547 | -1.707 | -.1713 |
| #2 | 18.71 | 16.96 | 12990. | 39850. | 22.48 | 307700. | -.0980 | 1.919 | 1.427 | -5.639 | 2.154 |
| #3 | 17.83 | 12.80 | 13220. | 40230. | 22.62 | 308300. | -.0742 | .2024 | -3.207 | -1.994 | -1.532 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4733 | -7.892 | -.1221 | -.3235 | 155.5 | 522.8 | 538.5 | 258.7 | .2851 |
| Stddev | .3181 | .316 | .1580 | .3450 | 1.2 | 12.5 | 9.9 | 2.5 | .9616 |
| %RSD | 67.20 | 3.998 | 129.4 | 106.6 | .7950 | 2.399 | 1.838 | .9477 | 337.3 |

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|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -4221 | -7.669 | -.2404 | -.2484 | 157.0 | 537.1 | 546.7 | 261.1 | -.8174 |
| #2 | -.8138 | -8.253 | .0574 | -.0222 | 154.8 | 513.6 | 541.4 | 256.2 | .7216 |
| #3 | -.1839 | -7.755 | -.1833 | -.6999 | 154.8 | 517.8 | 527.5 | 258.7 | .9509 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21679. | 37591. | 18324. |
| Stddev | 127. | 731. | 208. |
| %RSD | .58559 | 1.9435 | 1.1361 |

| | | | |
|----|--------|--------|--------|
| #1 | 21538. | 36799. | 18254. |
| #2 | 21717. | 38239. | 18558. |
| #3 | 21783. | 37736. | 18160. |

Sample Name: AN03647 X10 Acquired: 9/28/2011 11:17:07 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2856 | -10.64 | -5848 | 1.839 | 5.358 | .1502 | 12590. | -.0294 | -.0082 | .2064 | -.3239 |
| Stddev | .7389 | 1.56 | 8.805 | 3.162 | .452 | .3275 | 43. | .0191 | .1283 | .4741 | .4278 |
| %RSD | 258.7 | 14.68 | 1506. | 172.0 | 8.438 | 218.0 | .3387 | 65.02 | 1567. | 229.7 | 132.1 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -1.015 | -8.856 | -2.495 | .1901 | 4.839 | .4335 | 12540. | -.0078 | -.1506 | .7378 | -.1973 |
| #2 | -.3049 | -11.31 | -8.279 | -.1579 | 5.574 | -.2084 | 12610. | -.0440 | .0984 | .0547 | -.8007 |
| #3 | .4628 | -11.76 | 9.019 | 5.484 | 5.662 | .2255 | 12620. | -.0363 | .0277 | -.1733 | .0264 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 48.33 | 44.29 | 11790. | 35310. | 41.96 | 286500. | .2336 | 1.271 | -1.088 | -1.612 | -2.749 |
| Stddev | .51 | 1.04 | 69. | 196. | .14 | 2825. | .2364 | 1.457 | 3.059 | 2.967 | .777 |
| %RSD | 1.046 | 2.360 | .5834 | .5537 | .3240 | .9863 | 101.2 | 114.7 | 281.2 | 184.1 | 28.24 |

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|----|-------|-------|--------|--------|-------|---------|-------|---------|--------|--------|--------|
| #1 | 47.75 | 45.48 | 11800. | 35090. | 41.83 | 283200. | .2006 | 1.147 | 2.229 | -4.522 | -2.017 |
| #2 | 48.63 | 43.84 | 11860. | 35390. | 41.95 | 287800. | .0154 | -1.1210 | -3.798 | -1.721 | -2.668 |
| #3 | 48.61 | 43.54 | 11720. | 35460. | 42.11 | 288400. | .4848 | 2.786 | -1.695 | 1.408 | -3.564 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.773 | -7.349 | .3151 | -.4946 | 144.3 | 375.6 | 382.9 | 218.7 | .3764 |
| Stddev | .2933 | .320 | .3733 | .0449 | .6 | 7.6 | 11.2 | 2.2 | .2059 |
| %RSD | 61.45 | 4.356 | 118.5 | 9.076 | .4407 | 2.030 | 2.931 | 1.012 | 54.69 |

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|----|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| #1 | -.7933 | -7.226 | -.0679 | -.4428 | 145.0 | 369.9 | 387.4 | 218.2 | .3732 |
| #2 | -.2138 | -7.713 | .6779 | -.5218 | 143.8 | 372.5 | 370.1 | 216.9 | .5839 |
| #3 | -.4247 | -7.110 | .3353 | -.5193 | 144.1 | 384.2 | 391.1 | 221.2 | .1722 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21768. | 37738. | 17758. |
| Stddev | 79. | 121. | 190. |
| %RSD | .36336 | .32032 | 1.0684 |

| | | | |
|----|--------|--------|--------|
| #1 | 21832. | 37783. | 17963. |
| #2 | 21792. | 37601. | 17721. |
| #3 | 21680. | 37829. | 17589. |

Sample Name: AN03649 X10 Acquired: 9/28/2011 11:22:01 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3596 | -12.82 | -11.30 | .1904 | 12.01 | -.0512 | 16110. | -.2489 | -.1972 | -.3589 | -.3263 |
| Stddev | .2897 | 1.12 | 7.21 | 1.040 | .57 | .2573 | 129. | .1964 | .3504 | .3893 | .5650 |
| %RSD | 80.58 | 8.695 | 63.84 | 546.1 | 4.788 | 502.1 | .7983 | 78.90 | 177.7 | 108.5 | 173.1 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -1907 | -12.95 | -12.60 | -.6160 | 11.55 | -.3192 | 16000. | -.0468 | -.5419 | -.7960 | -.8802 |
| #2 | -.6941 | -11.65 | -17.77 | 1.364 | 12.66 | -.0285 | 16260. | -.4391 | .1586 | -.0492 | .2491 |
| #3 | -.1939 | -13.87 | -3.524 | -.1769 | 11.82 | .1940 | 16080. | -.2610 | -.2084 | -.2315 | -.3479 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 6.811 | 4.928 | 13080. | 37430. | 113.2 | 304200. | .3245 | -.7367 | -2.933 | -.7028 | -1.025 |
| Stddev | .941 | 2.938 | 31. | 488. | 2.0 | 4599. | .3643 | 1.850 | 3.164 | 1.543 | 1.464 |
| %RSD | 13.82 | 59.62 | .2332 | 1.303 | 1.766 | 1.512 | 112.3 | 251.2 | 107.9 | 219.5 | 142.8 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|--------|--------|--------|--------|--------|
| #1 | 5.738 | 2.703 | 13040. | 37170. | 112.2 | 305300. | -.0403 | 1.229 | -.2900 | 1.015 | .5989 |
| #2 | 7.203 | 3.822 | 13100. | 37990. | 115.5 | 308200. | .6883 | -.9953 | -6.439 | -1.969 | -1.430 |
| #3 | 7.494 | 8.259 | 13080. | 37120. | 112.0 | 299200. | .3255 | -2.444 | -2.070 | -1.155 | -2.243 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2627 | -6.553 | -.5161 | -.3945 | 158.7 | 614.4 | 624.1 | 246.9 | -.2739 |
| Stddev | .1501 | .219 | .1725 | .2206 | 3.2 | 8.1 | 3.4 | 3.8 | .6086 |
| %RSD | 57.11 | 3.344 | 33.43 | 55.92 | 2.035 | 1.322 | .5447 | 1.520 | 222.2 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -.2431 | -6.588 | -.5254 | -.1475 | 161.9 | 608.0 | 620.7 | 244.4 | -.6486 |
| #2 | -.4216 | -6.752 | -.6838 | -.4641 | 155.4 | 623.6 | 627.5 | 251.2 | .4283 |
| #3 | -.1235 | -6.318 | -.3391 | -.5719 | 158.6 | 611.7 | 624.2 | 245.1 | -.6016 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22463. | 38807. | 18461. |
| Stddev | 428. | 565. | 626. |
| %RSD | 1.9034 | 1.4557 | 3.3894 |

| | | | |
|----|--------|--------|--------|
| #1 | 22028. | 38851. | 18867. |
| #2 | 22883. | 38221. | 17741. |
| #3 | 22479. | 39348. | 18777. |

Sample Name: AN03651 X10 Acquired: 9/28/2011 11:26:56 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD ()11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0428 | -10.34 | -21.78 | 1.716 | 15.64 | .1438 | 16500. | -.0650 | .1118 | .4149 | -.1524 |
| Stddev | .6920 | 1.87 | 13.14 | 2.616 | .70 | .1550 | 175. | .1481 | .2278 | .8239 | .4624 |
| %RSD | 1616. | 18.10 | 60.32 | 152.4 | 4.496 | 107.8 | 1.058 | 227.8 | 203.7 | 198.6 | 303.4 |
| #1 | -.5392 | -8.508 | -6.967 | 4.406 | 14.94 | .0848 | 16320. | -.1454 | .3730 | -.1287 | .3367 |
| #2 | -.3369 | -10.25 | -26.36 | 1.562 | 15.63 | .0270 | 16500. | .1059 | -.0457 | 1.363 | -.2116 |
| #3 | .7477 | -12.25 | -32.02 | -.8195 | 16.34 | .3196 | 16670. | -.1556 | .0082 | .0104 | -.5823 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 157.4 | 152.3 | 14020. | 40070. | 18.92 | 320900. | .3653 | 1.081 | -1.550 | -.6210 | -.3261 |
| Stddev | 1.9 | 2.5 | 128. | 294. | .15 | 5200. | .6503 | 1.078 | 1.219 | 4.075 | 1.136 |
| %RSD | 1.211 | 1.653 | .9103 | .7333 | .8051 | 1.620 | 178.0 | 99.74 | 78.63 | 656.2 | 348.3 |
| #1 | 156.6 | 149.5 | 13920. | 39840. | 18.80 | 321300. | 1.074 | 2.165 | -2.404 | 1.175 | .6206 |
| #2 | 156.1 | 153.3 | 13970. | 39960. | 18.88 | 315600. | .2256 | .0094 | -.1542 | 2.248 | -1.586 |
| #3 | 159.6 | 154.2 | 14160. | 40400. | 19.09 | 325900. | -.2039 | 1.068 | -2.092 | -5.285 | -.0133 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .2694 | -6.977 | -.2186 | -.1324 | 173.3 | 680.9 | 680.2 | 266.4 | -.2515 |
| Stddev | .5382 | .283 | .2718 | .2870 | 2.1 | 6.0 | 14.0 | 2.3 | .3773 |
| %RSD | 199.8 | 4.054 | 124.4 | 216.8 | 1.214 | .8773 | 2.057 | .8788 | 150.0 |
| #1 | .8528 | -7.086 | -.2644 | -.2041 | 175.4 | 674.1 | 690.7 | 264.7 | -.3633 |
| #2 | -.2079 | -7.189 | -.4645 | -.3767 | 173.4 | 683.5 | 664.3 | 265.4 | -.5602 |
| #3 | .1633 | -6.655 | .0733 | .1837 | 171.2 | 685.2 | 685.4 | 269.0 | .1690 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22123. | 37748. | 18125. |
| Stddev | 254. | 444. | 419. |
| %RSD | 1.1461 | 1.1761 | 2.3099 |
| #1 | 21860. | 38241. | 18406. |
| #2 | 22366. | 37380. | 18326. |
| #3 | 22144. | 37624. | 17644. |

Sample Name: AN03656 X10 Acquired: 9/28/2011 11:31:50 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -9752 | -12.24 | -2.003 | .5581 | 11.57 | .0398 | 16200. | -2748 | -.2399 | -.3397 | -.2090 |
| Stddev | .2546 | 1.58 | 11.06 | 1.162 | .29 | .2671 | 21. | .0992 | .1590 | .5478 | .4665 |
| %RSD | 26.11 | 12.92 | 552.2 | 208.1 | 2.535 | 671.0 | .1277 | 36.09 | 66.31 | 161.3 | 223.2 |
| #1 | -1.150 | -12.72 | -14.18 | -.1204 | 11.91 | .3470 | 16180. | -.3559 | -.4221 | -.4785 | -.1418 |
| #2 | -.6830 | -10.47 | .7313 | 1.899 | 11.42 | -.0898 | 16200. | -.3043 | -.1295 | .2642 | .2203 |
| #3 | -1.093 | -13.52 | 7.436 | -.1046 | 11.38 | -.1378 | 16220. | -.1643 | -.1679 | -.8047 | -.7054 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.417 | -2.802 | 12830. | 36280. | 171.7 | 298100. | .2664 | .4869 | 2.519 | -4.416 | -1.283 |
| Stddev | .159 | 2.784 | 48. | 137. | 1.7 | 3282. | .4991 | 1.243 | 2.919 | 1.930 | .142 |
| %RSD | 11.19 | 99.38 | .3765 | .3768 | .9664 | 1.101 | 187.3 | 255.2 | 115.9 | 43.71 | 11.04 |
| #1 | 1.268 | .1487 | 12840. | 36180. | 172.0 | 297500. | .6840 | .2558 | 3.576 | -6.086 | -1.249 |
| #2 | 1.401 | -5.383 | 12780. | 36240. | 170.0 | 301600. | -.2863 | -.6240 | 4.762 | -4.861 | -1.439 |
| #3 | 1.584 | -3.171 | 12870. | 36440. | 173.3 | 295100. | .4016 | 1.829 | -.7819 | -2.302 | -1.162 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0811 | -7.374 | -.4613 | -.6789 | 157.7 | 622.8 | 619.2 | 240.3 | .0031 |
| Stddev | .1378 | .244 | .4157 | .2089 | .8 | 3.7 | 13.3 | 1.3 | 1.212 |
| %RSD | 169.8 | 3.308 | 90.12 | 30.78 | .5221 | .5879 | 2.149 | .5581 | 38720. |
| #1 | -.2110 | -7.102 | -.7329 | -.9138 | 158.3 | 623.2 | 634.5 | 240.9 | 1.402 |
| #2 | .0633 | -7.447 | -.6683 | -.5140 | 156.8 | 619.0 | 610.9 | 238.8 | -.7302 |
| #3 | -.0957 | -7.573 | .0173 | -.6088 | 158.0 | 626.3 | 612.1 | 241.3 | -.6626 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21525. | 37875. | 18304. |
| Stddev | 405. | 386. | 95. |
| %RSD | 1.8828 | 1.0180 | .51836 |
| #1 | 21061. | 37432. | 18356. |
| #2 | 21705. | 38136. | 18195. |
| #3 | 21809. | 38056. | 18362. |

Sample Name: AN03638 Acquired: 9/28/2011 11:36:46 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0335 | 5.703 | -28.65 | .5505 | 69.66 | .2195 | 132800. | -.1651 | .0252 |
| Stddev | .7012 | 1.524 | 5.77 | 1.614 | .45 | .2731 | 209. | .1350 | .1280 |
| %RSD | 2093. | 26.73 | 20.15 | 293.1 | .6441 | 124.4 | .1573 | 81.76 | 507.2 |

| | | | | | | | | | |
|----|--------|-------|--------|--------|-------|--------|---------|--------|--------|
| #1 | .7975 | 4.646 | -29.70 | 1.917 | 70.07 | .2205 | 132700. | -.3001 | .1210 |
| #2 | -.1165 | 5.012 | -22.42 | -1.230 | 69.18 | -.0541 | 132600. | -.0300 | .0749 |
| #3 | -.5805 | 7.450 | -33.82 | .9642 | 69.73 | .4922 | 133000. | -.1654 | -.1202 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.711 | 2.889 | 283.9 | 275.3 | 120200. | 348600. | 116.4 | F 1912000. | 2.151 |
| Stddev | .819 | .470 | 3.0 | 1.8 | 895. | 1982. | .8 | 39740. | .713 |
| %RSD | 47.86 | 16.26 | 1.050 | .6583 | .7442 | .5684 | .6662 | 2.079 | 33.13 |

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|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 1.902 | 3.007 | 280.8 | 273.8 | 119600. | 348600. | 115.5 | 1956000. | 1.430 |
| #2 | 2.417 | 2.371 | 284.1 | 277.3 | 119900. | 346700. | 116.5 | 1880000. | 2.855 |
| #3 | .8132 | 3.288 | 286.7 | 274.9 | 121300. | 350700. | 117.1 | 1900000. | 2.167 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 69.61 | 2.672 | 2.243 | -2.961 | -.1191 | -1.570 | 2.510 | 1.453 | 1266. |
| Stddev | 1.35 | 3.116 | 3.478 | 1.928 | .6022 | .053 | .279 | .028 | 3. |
| %RSD | 1.944 | 116.6 | 155.1 | 65.11 | 505.8 | 3.366 | 11.10 | 1.918 | .2354 |

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|----|-------|--------|-------|--------|--------|--------|-------|-------|-------|
| #1 | 69.81 | 2.974 | .0773 | -4.623 | -.5751 | -1.562 | 2.272 | 1.423 | 1265. |
| #2 | 70.85 | 5.627 | .3961 | -.8475 | .5636 | -1.522 | 2.440 | 1.479 | 1270. |
| #3 | 68.16 | -.5837 | 6.255 | -3.411 | -.3456 | -1.627 | 2.816 | 1.457 | 1264. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3905. | 3823. | 2207. | 1.068 |
| Stddev | 19. | 25. | 20. | .592 |
| %RSD | .4841 | .6531 | .9081 | 55.39 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3911. | 3850. | 2194. | 1.714 |
| #2 | 3884. | 3820. | 2198. | .5519 |
| #3 | 3920. | 3801. | 2230. | .9392 |

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|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 18552. | 33393. | 17359. |
| Stddev | 327. | 124. | 235. |
| %RSD | 1.7630 | .37084 | 1.3561 |

| | | | |
|----|--------|--------|--------|
| #1 | 18250. | 33398. | 17238. |
| #2 | 18506. | 33267. | 17630. |
| #3 | 18899. | 33514. | 17209. |

Sample Name: RINSE Acquired: 9/28/2011 11:41:39 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2062 | -4.458 | 10.26 | -2.966 | .9302 | .0796 | 1.811 | -1.291 | .1041 | -.0385 | -.2382 |
| Stddev | .0382 | 1.121 | 11.36 | 2.243 | .4000 | .1132 | 2.370 | .0516 | .3578 | .4702 | .2284 |
| %RSD | 18.55 | 25.15 | 110.8 | 75.62 | 43.01 | 142.3 | 130.9 | 40.00 | 343.6 | 1221. | 95.88 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -2483 | -3.790 | 21.18 | -.3984 | .6484 | .1853 | 1.049 | -.1215 | -.2029 | .4617 | -.1347 |
| #2 | -.1737 | -3.831 | 11.09 | -4.543 | .7541 | .0932 | 4.468 | -.1841 | .4970 | -.1058 | -.0799 |
| #3 | -.1964 | -5.752 | -1.497 | -3.956 | 1.388 | -.0398 | -.0838 | -.0817 | .0183 | -.4714 | -.4999 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.202 | -4.026 | 21.08 | 51.30 | -.2148 | 1471. | .5291 | -.4273 | -1.231 | -3.299 | -.7157 |
| Stddev | .320 | 1.701 | 71.79 | 16.08 | .0473 | 292. | .5636 | 1.307 | 1.119 | 3.093 | .7759 |
| %RSD | 7.625 | 42.24 | 340.6 | 31.35 | 22.03 | 19.86 | 106.5 | 305.9 | 90.93 | 93.75 | 108.4 |

| | | | | | | | | | | | |
|----|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|
| #1 | -4.487 | -4.402 | 91.74 | 61.65 | -.1979 | 1779. | .4807 | .5798 | -.0474 | -2.952 | -1.425 |
| #2 | -3.855 | -5.508 | -51.80 | 59.48 | -.1783 | 1435. | 1.115 | -1.904 | -2.272 | -.3943 | -.8352 |
| #3 | -4.263 | -2.169 | 23.29 | 32.78 | -.2683 | 1198. | -.0087 | .0428 | -1.373 | -6.551 | .1130 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3998 | -7.342 | -.3463 | -.2480 | -.7996 | -20.99 | -10.94 | -.8815 | -.2909 |
| Stddev | .2748 | .097 | .1627 | .2659 | .4878 | 1.44 | 4.96 | .4359 | 1.412 |
| %RSD | 68.74 | 1.314 | 46.99 | 107.2 | 61.00 | 6.884 | 45.30 | 49.45 | 485.5 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.4028 | -7.442 | -.1591 | -.0869 | -.8154 | -19.34 | -10.41 | -.5110 | 1.273 |
| #2 | -.1235 | -7.250 | -.4541 | -.1021 | -.3041 | -21.63 | -6.273 | -1.362 | -.6741 |
| #3 | -.6730 | -7.333 | -.4257 | -.5548 | -1.279 | -22.01 | -16.14 | -.7718 | -1.472 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21918. | 38120. | 17796. |
| Stddev | 307. | 515. | 234. |
| %RSD | 1.3987 | 1.3518 | 1.3142 |

| | | | |
|----|--------|--------|--------|
| #1 | 21612. | 37580. | 17920. |
| #2 | 21916. | 38175. | 17526. |
| #3 | 22225. | 38606. | 17942. |

Sample Name: RINSE Acquired: 9/28/2011 11:46:28 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|---------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.1438 | -4.581 | -7.842 | -1.560 | 1.153 | .0503 | -5.848 | -.0714 | -.2395 | -.4164 | -.2985 |
| Stddev | .2199 | .677 | 3.395 | 2.272 | .032 | .0479 | 2.382 | .2264 | .0412 | 1.103 | .6974 |
| %RSD | 152.9 | 14.78 | 43.29 | 145.7 | 2.751 | 95.14 | 40.73 | 316.9 | 17.18 | 264.9 | 233.6 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| #1 | .0461 | -4.137 | -11.31 | -4.167 | 1.182 | .1047 | -8.220 | -.0138 | -.2534 | -1.685 | -.6003 |
| #2 | -.0929 | -4.247 | -7.696 | -.5130 | 1.157 | .0319 | -5.867 | -.3211 | -.1932 | .3212 | -.7942 |
| #3 | -.3846 | -5.360 | -4.523 | .0008 | 1.119 | .0144 | -3.456 | .1205 | -.2720 | .1143 | .4989 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.506 | -8.820 | -102.6 | 10.99 | -.2212 | 479.8 | .3495 | 2.670 | -.0076 | -.6193 | -2.578 |
| Stddev | .813 | 1.914 | 47.2 | 26.17 | .0207 | 39.5 | .0629 | 1.206 | 1.247 | 2.193 | .948 |
| %RSD | 18.03 | 21.71 | 46.00 | 238.2 | 9.336 | 8.237 | 18.00 | 45.17 | 16420. | 354.1 | 36.77 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|
| #1 | -5.443 | -8.395 | -93.38 | -11.23 | -.1989 | 523.7 | .3086 | 3.746 | .0033 | -3.125 | -1.515 |
| #2 | -3.997 | -7.154 | -60.66 | 39.83 | -.2396 | 468.5 | .4220 | 2.898 | 1.234 | .3157 | -2.884 |
| #3 | -4.078 | -10.91 | -153.7 | 4.357 | -.2251 | 447.1 | .3180 | 1.366 | -1.260 | .9510 | -3.335 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.788 | -7.781 | .0413 | -4.664 | -1.524 | -22.49 | -8.516 | -.1005 | .7873 |
| Stddev | .4602 | .293 | .1215 | .2777 | .283 | 1.56 | 1.099 | .1483 | .6980 |
| %RSD | 165.1 | 3.770 | 294.3 | 59.55 | 18.57 | 6.927 | 12.90 | 147.6 | 88.67 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| #1 | -.5656 | -7.778 | .0190 | -.1606 | -1.712 | -23.09 | -9.299 | -.0073 | .1769 |
| #2 | -.5229 | -8.076 | .1724 | -.5356 | -1.199 | -20.73 | -8.990 | -.0227 | 1.548 |
| #3 | .2521 | -7.489 | -.0675 | -.7029 | -1.662 | -23.66 | -7.260 | -.2716 | .6365 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21990. | 36772. | 17072. |
| Stddev | 100. | 396. | 308. |
| %RSD | .45275 | 1.0782 | 1.8037 |

| | | | |
|----|--------|--------|--------|
| #1 | 22022. | 36986. | 17300. |
| #2 | 22070. | 37016. | 17195. |
| #3 | 21879. | 36315. | 16722. |

Sample Name: CCV Acquired: 9/28/2011 11:51:17 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 190.8 | 4532. | 4788. | 198.2 | 194.8 | 191.6 | 5085. | 206.1 | 196.2 | 218.1 | 199.4 |
| Stddev | 3.4 | 64. | 35. | 3.5 | 1.5 | 1.5 | 37. | .5 | .7 | 2.0 | 2.4 |
| %RSD | 1.767 | 1.421 | .7305 | 1.784 | .7596 | .7604 | .7192 | .2506 | .3475 | .9185 | 1.193 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 193.8 | 4602. | 4771. | 195.4 | 194.1 | 192.1 | 5047. | 206.5 | 196.9 | 219.7 | 202.1 |
| #2 | 187.1 | 4474. | 4829. | 197.1 | 196.6 | 192.7 | 5120. | 205.5 | 196.2 | 215.8 | 197.7 |
| #3 | 191.4 | 4520. | 4766. | 202.2 | 193.9 | 189.9 | 5088. | 206.3 | 195.5 | 218.8 | 198.4 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5361. | 5176. | 5069. | 5237. | 220.5 | 5314. | 202.6 | 204.2 | 194.4 | 204.2 | 198.1 |
| Stddev | 102. | 6. | 36. | 75. | 3.4 | 22. | .4 | 2.4 | 4.0 | .7 | .6 |
| %RSD | 1.911 | .1135 | .7092 | 1.440 | 1.563 | .4080 | .1906 | 1.156 | 2.075 | .3366 | .2898 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5428. | 5176. | 5028. | 5181. | 222.8 | 5301. | 203.0 | 205.3 | 198.0 | 203.4 | 198.7 |
| #2 | 5243. | 5171. | 5096. | 5207. | 216.5 | 5339. | 202.6 | 205.8 | 195.3 | 204.3 | 197.9 |
| #3 | 5412. | 5183. | 5084. | 5323. | 222.2 | 5303. | 202.3 | 201.5 | 190.0 | 204.8 | 197.7 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 202.0 | 218.0 | 197.3 | 202.2 | 187.6 | 4971. | 4883. | 208.2 | 210.9 |
| Stddev | 3.2 | 1.0 | 1.6 | 2.1 | 1.8 | 82. | 36. | 3.8 | 1.4 |
| %RSD | 1.574 | .4652 | .8202 | 1.060 | .9330 | 1.641 | .7292 | 1.819 | .6511 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 204.9 | 219.1 | 198.8 | 204.5 | 188.3 | 5029. | 4845. | 212.0 | 210.4 |
| #2 | 198.6 | 217.8 | 197.3 | 200.2 | 188.9 | 4878. | 4916. | 204.4 | 212.4 |
| #3 | 202.4 | 217.1 | 195.6 | 201.9 | 185.6 | 5006. | 4889. | 208.2 | 209.8 |

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|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21695. | 37379. | 17799. |
| Stddev | 332. | 381. | 269. |
| %RSD | 1.5321 | 1.0205 | 1.5136 |

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|----|--------|--------|--------|
| #1 | 21473. | 37179. | 17978. |
| #2 | 21535. | 37818. | 17929. |
| #3 | 22077. | 37139. | 17489. |

Sample Name: CCB Acquired: 9/28/2011 11:55:56 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2944 | -4.966 | -15.23 | -2.501 | .9028 | -.0282 | -10.18 | -.0803 | .0015 | .1915 | -.2603 |
| Stddev | .4541 | .525 | 8.06 | .278 | .3511 | .3181 | 2.11 | .0878 | .2412 | .5236 | .3024 |
| %RSD | 154.3 | 10.58 | 52.96 | 11.12 | 38.89 | 1128. | 20.70 | 109.4 | 16200. | 273.4 | 116.2 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -.1194 | -4.545 | -15.85 | -2.650 | .5167 | .2587 | -12.52 | -.0635 | .2787 | -.4131 | -.6080 |
| #2 | -.8100 | -4.799 | -6.874 | -2.180 | .9887 | -.3702 | -9.556 | -.0021 | -.1136 | .4978 | -.1148 |
| #3 | .0463 | -5.555 | -22.97 | -2.673 | 1.203 | .0269 | -8.450 | -.1753 | -.1606 | .4898 | -.0581 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.284 | -4.923 | -140.4 | 16.08 | -.2460 | 124.4 | .1954 | .6124 | -.9880 | -2.470 | -1.447 |
| Stddev | .105 | 4.893 | 30.7 | 17.02 | .0182 | 23.5 | .5298 | 2.847 | 1.283 | 1.381 | .726 |
| %RSD | 2.449 | 99.40 | 21.88 | 105.8 | 7.419 | 18.87 | 271.1 | 464.8 | 129.9 | 55.89 | 50.12 |

| | | | | | | | | | | | |
|----|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|
| #1 | -4.196 | -10.37 | -135.7 | 35.57 | -.2579 | 151.5 | .6479 | -1.261 | -2.313 | -3.780 | -.8091 |
| #2 | -4.255 | -.8990 | -173.2 | 8.521 | -.2551 | 111.1 | .3258 | 3.888 | -.8987 | -2.601 | -1.297 |
| #3 | -4.400 | -3.500 | -112.3 | 4.151 | -.2250 | 110.5 | -.3874 | -.7896 | .2481 | -1.028 | -2.236 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.4244 | -6.844 | -.2343 | -.4176 | -1.687 | -24.11 | -.9515 | -.7250 | -.9687 |
| Stddev | .1656 | .427 | .3009 | .2609 | .692 | 2.83 | 14.13 | .1174 | 1.058 |
| %RSD | 39.01 | 6.244 | 128.4 | 62.47 | 41.04 | 11.73 | 1486. | 16.19 | 109.2 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.6148 | -7.321 | .1048 | -.6789 | -1.921 | -20.85 | -13.01 | -.6324 | .0509 |
| #2 | -.3447 | -6.714 | -.4695 | -.4167 | -.9080 | -25.51 | 14.60 | -.8570 | -2.061 |
| #3 | -.3138 | -6.496 | -.3383 | -.1572 | -2.232 | -25.97 | -4.443 | -.6855 | -.8957 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21851. | 37389. | 17416. |
| Stddev | 91. | 232. | 134. |
| %RSD | .41836 | .62095 | .76870 |

| | | | |
|----|--------|--------|--------|
| #1 | 21841. | 37291. | 17352. |
| #2 | 21764. | 37222. | 17327. |
| #3 | 21946. | 37654. | 17570. |

Sample Name: AN03638 MS Acquired: 9/28/2011 12:00:45 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 200.7 | 5168. | 5006. | 210.7 | 261.6 | 183.0 | 138100. | 191.3 | 186.3 |
| Stddev | 1.2 | 35. | 35. | 3.0 | .8 | .9 | 225. | .7 | .2 |
| %RSD | .5894 | .6739 | .6969 | 1.412 | .3101 | .4762 | .1632 | .3652 | .1281 |

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|----|-------|-------|-------|-------|-------|-------|---------|-------|-------|
| #1 | 202.1 | 5201. | 5031. | 209.0 | 261.8 | 183.9 | 137800. | 190.5 | 186.4 |
| #2 | 200.1 | 5172. | 5021. | 214.2 | 262.4 | 182.9 | 138300. | 191.7 | 186.5 |
| #3 | 200.0 | 5131. | 4966. | 209.0 | 260.8 | 182.2 | 138100. | 191.7 | 186.1 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 204.2 | 194.4 | 5491. | 5300. | 125600. | 357900. | 323.2 | F 1832000. | 188.8 |
| Stddev | .9 | 1.5 | 21. | 15. | 653. | 432. | 1.2 | 125300. | 1.3 |
| %RSD | .4230 | .7457 | .3788 | .2856 | .5200 | .1208 | .3647 | 6.840 | .7022 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 205.2 | 195.5 | 5506. | 5308. | 124900. | 357600. | 323.8 | 1971000. | 190.2 |
| #2 | 203.7 | 194.8 | 5468. | 5309. | 126000. | 357700. | 321.9 | 1796000. | 188.7 |
| #3 | 203.7 | 192.8 | 5500. | 5282. | 126000. | 358400. | 324.0 | 1728000. | 187.6 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

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|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 258.3 | 188.7 | 206.0 | 172.5 | 196.1 | 206.1 | 189.6 | 197.0 | 1380. |
| Stddev | 4.2 | 1.3 | 5.9 | 2.0 | 1.3 | 3.0 | 1.2 | .3 | 6. |
| %RSD | 1.610 | .6900 | 2.861 | 1.148 | .6426 | 1.435 | .6087 | .1768 | .4655 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 253.8 | 190.0 | 203.2 | 173.6 | 196.8 | 202.7 | 191.0 | 197.4 | 1373. |
| #2 | 261.9 | 188.9 | 202.0 | 170.2 | 196.8 | 208.2 | 189.0 | 196.7 | 1386. |
| #3 | 259.3 | 187.4 | 212.8 | 173.6 | 194.7 | 207.3 | 188.9 | 197.1 | 1381. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 4085. | 4017. | 2426. | 192.9 |
| Stddev | 25. | 34. | 1. | .7 |
| %RSD | .6030 | .8475 | .0357 | .3447 |

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|----|-------|-------|-------|-------|
| #1 | 4108. | 4045. | 2425. | 193.6 |
| #2 | 4086. | 3980. | 2426. | 192.8 |
| #3 | 4059. | 4027. | 2425. | 192.3 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 19608. | 34118. | 16405. |
| Stddev | 82. | 143. | 41. |
| %RSD | .41601 | .42037 | .24839 |

| | | | |
|----|--------|--------|--------|
| #1 | 19558. | 33994. | 16448. |
| #2 | 19702. | 34275. | 16400. |
| #3 | 19564. | 34084. | 16367. |

Sample Name: AN03638 SDL Acquired: 9/28/2011 12:05:31 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 5.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD ()11070033)

| | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 191.4 | 4973. | 4905. | 209.5 | 257.2 | 182.9 | 137500. | 191.8 | 186.8 |
| Stddev | 2.3 | 22. | 89. | 6.3 | 4.0 | 1.2 | 1525. | .2 | 1.6 |
| %RSD | 1.218 | .4339 | 1.815 | 3.008 | 1.549 | .6399 | 1.109 | .1197 | .8507 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|---------|-------|-------|
| #1 | 190.3 | 4961. | 4973. | 213.2 | 258.9 | 181.6 | 138100. | 191.5 | 186.9 |
| #2 | 194.0 | 4997. | 4804. | 202.2 | 252.7 | 183.8 | 135800. | 192.0 | 185.1 |
| #3 | 189.8 | 4959. | 4936. | 213.1 | 260.1 | 183.5 | 138700. | 191.9 | 188.3 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|---------|---------|---------|---------|--------|------------|--------|
| Elem | Cr2677 | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 204.6 | 184.2 | 5583. | 5302. | 116600. | 355400. | 327.1 | F 2545000. | 194.9 |
| Stddev | 2.9 | 4.0 | 63. | 59. | 366. | 1142. | 2.6 | 60830. | 2.0 |
| %RSD | 1.413 | 2.162 | 1.125 | 1.112 | .3138 | .3213 | .7809 | 2.390 | 1.048 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|---------|---------|-------|----------|-------|
| #1 | 205.2 | 182.6 | 5552. | 5254. | 116700. | 354400. | 326.0 | 2615000. | 197.2 |
| #2 | 201.4 | 181.2 | 5655. | 5368. | 116300. | 355200. | 330.0 | 2506000. | 193.2 |
| #3 | 207.1 | 188.7 | 5541. | 5284. | 117000. | 356700. | 325.3 | 2514000. | 194.2 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass |
| High Limit | | | | | | | | 675000. | |
| Low Limit | | | | | | | | -500.0 | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem | Pb2203 | Sb2068 | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 269.7 | 179.4 | 204.9 | 175.9 | 193.0 | 177.2 | 188.3 | 192.2 | 1362. |
| Stddev | 5.2 | 18.9 | 26.1 | 7.3 | .5 | 1.8 | .3 | .2 | 13. |
| %RSD | 1.942 | 10.55 | 12.75 | 4.130 | .2732 | 1.028 | .1414 | .0877 | .9437 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 264.9 | 192.7 | 179.5 | 175.7 | 192.4 | 176.7 | 188.6 | 192.4 | 1362. |
| #2 | 268.9 | 187.8 | 231.7 | 183.3 | 193.4 | 179.2 | 188.2 | 192.1 | 1375. |
| #3 | 275.3 | 157.7 | 203.6 | 168.8 | 193.3 | 175.7 | 188.0 | 192.2 | 1349. |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | | |
|--------|---------|---------|--------|--------|
| Elem | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb |
| Avg | 3927. | 3887. | 2464. | 194.3 |
| Stddev | 14. | 43. | 21. | 2.8 |
| %RSD | .3503 | 1.110 | .8406 | 1.438 |

| | | | | |
|----|-------|-------|-------|-------|
| #1 | 3928. | 3838. | 2455. | 192.3 |
| #2 | 3914. | 3918. | 2487. | 193.0 |
| #3 | 3941. | 3904. | 2448. | 197.5 |

| | | | | |
|------------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | |
| Low Limit | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 21756. | 36951. | 17097. |
| Stddev | 126. | 404. | 199. |
| %RSD | .58094 | 1.0936 | 1.1642 |

| | | | |
|----|--------|--------|--------|
| #1 | 21743. | 37333. | 16989. |
| #2 | 21636. | 36528. | 17327. |
| #3 | 21888. | 36991. | 16975. |

Sample Name: RINSE Acquired: 9/28/2011 12:10:23 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .0995 | -4.503 | -.0682 | 1.756 | .7923 | .0505 | .7403 | -.0484 | -.0863 | -.4584 | -.0029 |
| Stddev | .3828 | .777 | 19.07 | 2.701 | .0643 | .4406 | .5137 | .0686 | .2293 | .4685 | .2724 |
| %RSD | 384.7 | 17.26 | 27950. | 153.8 | 8.120 | 872.7 | 69.39 | 141.7 | 265.7 | 102.2 | 9556. |

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|----|--------|--------|--------|--------|-------|--------|-------|--------|--------|--------|--------|
| #1 | -.2939 | -5.236 | -18.78 | 4.787 | .8648 | -.3463 | .2227 | .0192 | .1763 | -.1675 | .3109 |
| #2 | .4707 | -4.586 | -.7690 | -.3956 | .7700 | -.0269 | 1.250 | -.0464 | -.1880 | -.2088 | -.1786 |
| #3 | .1217 | -3.688 | 19.35 | .8775 | .7421 | .5246 | .7482 | -.1180 | -.2472 | -.9989 | -.1409 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.151 | -4.022 | -108.8 | 8.069 | -.1448 | 842.2 | .2449 | .6067 | -.1452 | -2.794 | -.7178 |
| Stddev | .162 | 1.983 | 73.5 | 13.96 | .0351 | 91.4 | .3723 | 1.445 | 2.555 | 1.694 | .1748 |
| %RSD | 3.889 | 49.30 | 67.52 | 173.0 | 24.21 | 10.85 | 152.0 | 238.2 | 1759. | 60.61 | 24.35 |

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|----|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| #1 | -3.994 | -1.735 | -54.21 | 20.53 | -.1110 | 915.9 | .6515 | .6000 | -2.896 | -1.117 | -.6122 |
| #2 | -4.316 | -5.073 | -79.87 | 10.70 | -.1425 | 870.7 | -.0794 | -.8350 | .3091 | -4.504 | -.9196 |
| #3 | -4.143 | -5.259 | -192.3 | -7.018 | -.1810 | 740.0 | .1626 | 2.055 | 2.152 | -2.762 | -.6217 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8232 | -6.742 | .0345 | -.3343 | -1.600 | -27.06 | 8.205 | -.4941 | .6838 |
| Stddev | .0537 | .265 | .2500 | .0888 | .613 | 2.38 | 11.27 | .9409 | .6640 |
| %RSD | 6.518 | 3.922 | 724.9 | 26.57 | 38.31 | 8.799 | 137.4 | 190.4 | 97.11 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| #1 | -.8667 | -7.034 | -.1624 | -.2318 | -1.802 | -24.31 | 18.40 | -1.392 | .1843 |
| #2 | -.8395 | -6.673 | -.0499 | -.3815 | -.9115 | -28.39 | -3.899 | .4843 | 1.437 |
| #3 | -.7633 | -6.519 | .3158 | -.3895 | -2.087 | -28.47 | 10.11 | -.5742 | .4297 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23011. | 38283. | 16959. |
| Stddev | 157. | 383. | 126. |
| %RSD | .68079 | 1.0014 | .74450 |

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|----|--------|--------|--------|
| #1 | 22855. | 38595. | 17051. |
| #2 | 23010. | 37855. | 16815. |
| #3 | 23169. | 38400. | 17011. |

Sample Name: RINSE Acquired: 9/28/2011 12:15:12 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5035 | -3.151 | -13.66 | -1.368 | .8218 | -.0660 | -9.157 | -.1552 | .1414 | .1163 | -.5674 |
| Stddev | .4058 | 1.261 | 10.97 | 2.881 | .1990 | .1384 | 1.596 | .0906 | .2124 | .1033 | .2796 |
| %RSD | 80.60 | 40.03 | 80.31 | 210.5 | 24.21 | 209.8 | 17.43 | 58.41 | 150.3 | 88.86 | 49.28 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|-------|-------|--------|
| #1 | -4.105 | -2.887 | -22.82 | -4.026 | .6233 | -.1534 | -8.889 | -.2475 | .3862 | .1392 | -.8895 |
| #2 | -.9477 | -2.043 | -16.66 | -1.772 | .8208 | .0936 | -7.711 | -.0663 | .0311 | .0034 | -.4250 |
| #3 | -.1522 | -4.524 | -1.503 | 1.693 | 1.021 | -.1382 | -10.87 | -.1517 | .0068 | .2062 | -.3877 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.389 | -3.973 | -99.20 | 6.880 | -.1660 | 339.0 | -.0784 | .1566 | -.9631 | -3.516 | -1.182 |
| Stddev | .365 | 3.406 | 55.03 | 26.42 | .0867 | 19.5 | .7190 | .7452 | 3.327 | 2.695 | .379 |
| %RSD | 8.307 | 85.73 | 55.48 | 384.0 | 52.20 | 5.745 | 916.8 | 475.7 | 345.4 | 76.65 | 32.06 |

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|----|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| #1 | -4.733 | -3.912 | -147.3 | 37.24 | -.2529 | 359.2 | -.9053 | -.2480 | 1.957 | -2.757 | -.7514 |
| #2 | -4.006 | -.5980 | -39.21 | -10.83 | -.1655 | 320.3 | .2709 | -.2987 | -.2614 | -6.510 | -1.464 |
| #3 | -4.428 | -7.409 | -111.1 | -5.773 | -.0796 | 337.5 | .3991 | 1.017 | -4.585 | -1.282 | -1.331 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2267 | -5.673 | -.6277 | -.0724 | -1.871 | -28.84 | -3.574 | -.3735 | -.2902 |
| Stddev | .4673 | .143 | .3203 | .1476 | .500 | 2.23 | 6.191 | .6829 | .3900 |
| %RSD | 206.1 | 2.530 | 51.03 | 204.0 | 26.72 | 7.745 | 173.3 | 182.8 | 134.4 |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .2891 | -5.819 | -.5250 | -.0017 | -1.909 | -28.82 | 3.575 | -.4826 | .0142 |
| #2 | -.3477 | -5.667 | -.3714 | .0267 | -2.350 | -26.62 | -7.230 | -.9953 | -.7298 |
| #3 | -.6216 | -5.532 | -.9868 | -.2421 | -1.353 | -31.09 | -7.066 | .3573 | -.1548 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23741. | 39450. | 17925. |
| Stddev | 145. | 605. | 314. |
| %RSD | .61159 | 1.5347 | 1.7529 |

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|----|--------|--------|--------|
| #1 | 23614. | 39410. | 18277. |
| #2 | 23709. | 38865. | 17822. |
| #3 | 23899. | 40074. | 17674. |

Sample Name: AN03638 X10 Acquired: 9/28/2011 12:20:02 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3263 | -6.353 | -9.853 | 1.967 | 7.639 | .0612 | 13630. | -2032 | -1264 | -3309 | -.0172 |
| Stddev | .8815 | 1.208 | 4.741 | 1.882 | .532 | .0949 | 23. | .1382 | .1102 | .3226 | .2768 |
| %RSD | 270.1 | 19.01 | 48.12 | 95.66 | 6.963 | 155.2 | .1722 | 68.01 | 87.21 | 97.47 | 1614. |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -1.314 | -6.243 | -4.609 | 2.558 | 7.055 | -.0481 | 13600. | -.1059 | -.2472 | -.2817 | -.3361 |
| #2 | -.0441 | -5.205 | -11.12 | 3.482 | 7.767 | .1234 | 13640. | -.1422 | -.1004 | -.0358 | .1239 |
| #3 | .3795 | -7.613 | -13.83 | -.1391 | 8.096 | .1083 | 13640. | -.3614 | -.0315 | -.6753 | .1607 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 26.22 | 18.98 | 11190. | 36090. | 11.77 | 265700. | .3021 | 7.900 | 1.414 | -3.029 | -1.071 |
| Stddev | .68 | 2.95 | 47. | 74. | .17 | 3810. | .0534 | 1.595 | 1.197 | 3.269 | 1.008 |
| %RSD | 2.578 | 15.55 | .4179 | .2057 | 1.425 | 1.434 | 17.68 | 20.19 | 84.68 | 107.9 | 94.10 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|-------|-------|-------|--------|--------|
| #1 | 25.67 | 17.74 | 11140. | 36090. | 11.74 | 264100. | .2404 | 6.232 | 2.573 | .4373 | -2.234 |
| #2 | 26.02 | 16.86 | 11230. | 36010. | 11.62 | 262900. | .3319 | 9.411 | .1821 | -6.056 | -.5129 |
| #3 | 26.97 | 22.35 | 11190. | 36160. | 11.95 | 270000. | .3340 | 8.056 | 1.486 | -3.469 | -.4657 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3602 | -5.836 | -.3429 | -.1640 | 121.0 | 358.2 | 370.4 | 232.7 | .4125 |
| Stddev | .1093 | .171 | .0448 | .1464 | 1.3 | 4.2 | 22.7 | 1.3 | 1.250 |
| %RSD | 30.34 | 2.929 | 13.05 | 89.29 | 1.074 | 1.183 | 6.127 | .5697 | 303.0 |

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|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -.3369 | -5.666 | -.2913 | -.2817 | 121.7 | 363.0 | 396.3 | 232.5 | 1.795 |
| #2 | -.2645 | -5.834 | -.3713 | .0000 | 119.5 | 354.9 | 360.7 | 231.6 | .0813 |
| #3 | -.4793 | -6.008 | -.3662 | -.2102 | 121.7 | 356.7 | 354.1 | 234.2 | -.6384 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 24618. | 41174. | 18444. |
| Stddev | 133. | 439. | 117. |
| %RSD | .53995 | 1.0662 | .63549 |

| | | | |
|----|--------|--------|--------|
| #1 | 24540. | 41146. | 18336. |
| #2 | 24544. | 41626. | 18569. |
| #3 | 24772. | 40749. | 18427. |

Sample Name: AN03640 X10 Acquired: 9/28/2011 12:24:57 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.101 | -9088 | -8.427 | -3.076 | 4.602 | .0995 | 12010. | .0250 | .0230 | .4723 | -.0578 |
| Stddev | .2577 | 1.167 | 14.97 | 1.645 | .344 | .0150 | 78. | .0680 | .2156 | .5215 | .4470 |
| %RSD | 234.1 | 128.4 | 177.7 | 53.47 | 7.476 | 15.10 | .6495 | 271.6 | 935.8 | 110.4 | 773.3 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|--------|--------|--------|-------|--------|
| #1 | -3660 | .4306 | 6.323 | -1.561 | 4.215 | .1104 | 11940. | .0490 | -.2033 | .0732 | -.5598 |
| #2 | .1493 | -1.708 | -23.61 | -4.825 | 4.872 | .0824 | 12000. | .0779 | .2259 | 1.062 | .0895 |
| #3 | -.1135 | -1.448 | -7.995 | -2.842 | 4.720 | .1058 | 12100. | -.0517 | .0465 | .2814 | .2969 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39.82 | 38.16 | 10230. | 34220. | 12.96 | 248600. | .3232 | 32.64 | 2.685 | -2.786 | -1.194 |
| Stddev | .69 | .58 | 74. | 341. | .11 | 4570. | .5406 | 1.56 | 2.269 | .951 | 1.184 |
| %RSD | 1.728 | 1.523 | .7204 | .9960 | .8721 | 1.838 | 167.3 | 4.787 | 84.52 | 34.14 | 99.17 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|--------|-------|-------|--------|--------|
| #1 | 39.48 | 38.54 | 10250. | 33830. | 12.89 | 245000. | -.2113 | 33.59 | .0961 | -3.329 | -.8088 |
| #2 | 39.36 | 37.49 | 10140. | 34400. | 12.91 | 253700. | .8697 | 30.84 | 3.628 | -1.688 | -2.523 |
| #3 | 40.61 | 38.45 | 10280. | 34440. | 13.09 | 247100. | .3111 | 33.49 | 4.331 | -3.340 | -.2504 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.7791 | -2.271 | -.1397 | -.3861 | 108.1 | 274.7 | 282.0 | 212.9 | -.6726 |
| Stddev | .6397 | .250 | .1947 | .2606 | 2.0 | 3.6 | 10.4 | .4 | .4445 |
| %RSD | 82.11 | 11.02 | 139.3 | 67.51 | 1.834 | 1.327 | 3.692 | .1887 | 66.08 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -1.465 | -2.254 | .0728 | -.1028 | 108.6 | 278.9 | 285.1 | 212.7 | -.2526 |
| #2 | -.6731 | -2.529 | -.3094 | -.4397 | 109.7 | 272.2 | 270.4 | 212.7 | -.6271 |
| #3 | -.1990 | -2.030 | -.1827 | -.6157 | 105.9 | 273.1 | 290.5 | 213.4 | -1.138 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 24317. | 39649. | 17175. |
| Stddev | 330. | 366. | 427. |
| %RSD | 1.3572 | .92264 | 2.4839 |

| | | | |
|----|--------|--------|--------|
| #1 | 24255. | 39804. | 17667. |
| #2 | 24674. | 39913. | 16951. |
| #3 | 24023. | 39232. | 16908. |

Sample Name: AN03642 X10 Acquired: 9/28/2011 12:29:52 Type: Unk.

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|---------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5011 | -10.37 | 5.760 | -1.068 | 12.58 | -0.084 | 16850. | -2569 | -0.711 | .5682 | -1.1267 |
| Stddev | .7667 | .64 | 27.21 | 1.297 | .41 | .2000 | 35. | .0657 | .1505 | .7470 | .2259 |
| %RSD | 153.0 | 6.153 | 472.4 | 121.4 | 3.278 | 2367. | .2060 | 25.56 | 211.8 | 131.5 | 178.2 |

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|----|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| #1 | -5704 | -9.821 | 29.78 | -2.538 | 12.52 | -2366 | 16830. | -.2801 | .0674 | .5523 | .1336 |
| #2 | -1.231 | -11.07 | -23.79 | -.0843 | 12.20 | .1368 | 16840. | -.3079 | -.0494 | -.1707 | -.2707 |
| #3 | .2979 | -10.22 | 11.30 | -.5827 | 13.02 | .0745 | 16890. | -.1828 | -.2313 | 1.323 | -.2431 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.938 | 1.755 | 13170. | 38090. | 185.3 | 297900. | .1007 | 3.076 | -1.811 | -.3432 | -.5440 |
| Stddev | .455 | 3.611 | 69. | 110. | 1.3 | 1495. | .2369 | 1.540 | 3.739 | 2.994 | 1.537 |
| %RSD | 15.50 | 205.7 | .5232 | .2893 | .6981 | .5019 | 235.3 | 50.06 | 206.5 | 872.5 | 282.6 |

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|----|-------|--------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 3.406 | 3.666 | 13120. | 38000. | 186.6 | 299500. | -.0223 | 2.761 | -1.418 | .7461 | .4982 |
| #2 | 2.912 | 4.008 | 13150. | 38060. | 185.4 | 296500. | .3739 | 4.749 | 1.716 | 1.954 | -2.310 |
| #3 | 2.497 | -2.410 | 13250. | 38220. | 184.0 | 297800. | -.0494 | 1.718 | -5.730 | -3.729 | .1795 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5979 | -4.907 | -.5105 | -.3930 | 153.6 | 652.3 | 662.8 | 254.8 | -.3471 |
| Stddev | .5183 | .291 | .3842 | .1243 | .7 | 8.7 | 21.3 | 1.3 | .9739 |
| %RSD | 86.68 | 5.921 | 75.27 | 31.64 | .4735 | 1.340 | 3.215 | .5071 | 280.6 |

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|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -.1187 | -5.228 | -.2483 | -.4864 | 154.3 | 659.3 | 661.3 | 255.4 | -1.371 |
| #2 | -1.148 | -4.831 | -.3317 | -.4407 | 152.8 | 655.2 | 642.3 | 255.6 | .5672 |
| #3 | -.5271 | -4.662 | -.9516 | -.2518 | 153.6 | 642.5 | 684.9 | 253.3 | -.2373 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22793. | 37805. | 16855. |
| Stddev | 29. | 246. | 380. |
| %RSD | .12559 | .64985 | 2.2574 |

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|----|--------|--------|--------|
| #1 | 22765. | 37691. | 16861. |
| #2 | 22822. | 37636. | 17232. |
| #3 | 22791. | 38087. | 16471. |

Sample Name: AN03644 X10 Acquired: 9/28/2011 12:34:48 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1313 | -8.491 | 6.969 | -1.186 | 4.786 | .0046 | 11370. | .0199 | -.3912 | -.2026 | .6139 |
| Stddev | .7799 | .621 | 18.23 | 1.862 | .556 | .1230 | 61. | .0781 | .4783 | .4043 | .1842 |
| %RSD | 593.8 | 7.308 | 261.5 | 157.1 | 11.61 | 2689. | .5321 | 392.7 | 122.3 | 199.5 | 30.00 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|
| #1 | -.3361 | -7.908 | -13.35 | .1161 | 4.524 | -.0655 | 11300. | -.0688 | .0718 | -.2329 | .4480 |
| #2 | -.7884 | -9.143 | 12.37 | -.3545 | 5.424 | -.0674 | 11400. | .0780 | -.8834 | -.5910 | .5816 |
| #3 | .7305 | -8.424 | 21.89 | -3.319 | 4.410 | .1466 | 11420. | .0504 | -.3621 | .2160 | .8121 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 36.01 | 32.37 | 9375. | 28150. | 8.455 | 220100. | .6561 | 14.32 | 2.227 | -2.119 | -1.521 |
| Stddev | .75 | 1.43 | 66. | 130. | .049 | 1548. | .1457 | 3.47 | 3.922 | 8.267 | .683 |
| %RSD | 2.079 | 4.432 | .7073 | .4623 | .5826 | .7036 | 22.20 | 24.21 | 176.1 | 390.1 | 44.90 |

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|----|-------|-------|-------|--------|-------|---------|-------|-------|--------|--------|--------|
| #1 | 35.63 | 32.91 | 9301. | 28000. | 8.411 | 221300. | .7900 | 12.45 | .7737 | -10.80 | -1.904 |
| #2 | 35.53 | 30.74 | 9395. | 28200. | 8.446 | 220500. | .5010 | 18.32 | 6.667 | -1.229 | -1.925 |
| #3 | 36.87 | 33.45 | 9429. | 28250. | 8.509 | 218300. | .6772 | 12.18 | -.7609 | 5.667 | -.7323 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.3078 | -2.126 | -.1783 | -.5210 | 108.8 | 428.7 | 438.3 | 182.3 | .6194 |
| Stddev | .2803 | .133 | .1966 | .1493 | .9 | 2.3 | 16.2 | .5 | .5574 |
| %RSD | 91.09 | 6.233 | 110.3 | 28.66 | .8278 | .5320 | 3.700 | .2829 | 90.00 |

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|----|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| #1 | -.5261 | -2.256 | -.1416 | -.4520 | 109.8 | 427.7 | 422.6 | 182.2 | 1.262 |
| #2 | .0084 | -1.992 | -.0026 | -.4187 | 108.0 | 431.4 | 437.3 | 182.8 | .3283 |
| #3 | -.4056 | -2.131 | -.3906 | -.6923 | 108.5 | 427.2 | 455.0 | 181.8 | .2677 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23301. | 39673. | 17551. |
| Stddev | 407. | 399. | 127. |
| %RSD | 1.7474 | 1.0059 | .72155 |

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|----|--------|--------|--------|
| #1 | 23004. | 39445. | 17624. |
| #2 | 23765. | 39441. | 17405. |
| #3 | 23134. | 40134. | 17623. |

Sample Name: AN03646 X10 Acquired: 9/28/2011 12:39:44 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5665 | -3.493 | 14.49 | 4763 | 10.90 | .0641 | 15150. | -1421 | -1114 | .2915 | .3942 |
| Stddev | .4919 | 1.578 | 4.60 | 1.726 | .22 | .1254 | 64. | .0560 | .1497 | .4895 | .7218 |
| %RSD | 86.83 | 45.18 | 31.75 | 362.4 | 2.030 | 195.7 | .4198 | 39.39 | 134.5 | 167.9 | 183.1 |

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|----|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -5361 | -2.758 | 9.243 | -.5505 | 10.87 | .1310 | 15180. | -.0830 | -.2829 | -.0947 | .9292 |
| #2 | -.0905 | -2.417 | 17.84 | 2.469 | 11.14 | .1419 | 15180. | -.1944 | -.0069 | .1272 | -.4268 |
| #3 | -1.073 | -5.305 | 16.39 | -.4896 | 10.70 | -.0806 | 15070. | -.1490 | -.0442 | .8421 | .6802 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 39.73 | 31.87 | 12900. | 40090. | 21.73 | 302800. | .3020 | 4.198 | 2.261 | .7577 | -.5587 |
| Stddev | .12 | 4.01 | 61. | 61. | .10 | 5955. | .4054 | .901 | 4.330 | 1.986 | 2.008 |
| %RSD | .3143 | 12.57 | .4702 | .1510 | .4413 | 1.967 | 134.3 | 21.46 | 191.5 | 262.1 | 359.4 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 39.84 | 29.32 | 12870. | 40050. | 21.63 | 308000. | .6836 | 3.164 | -.1782 | 2.729 | -.6115 |
| #2 | 39.60 | 36.49 | 12860. | 40160. | 21.73 | 304200. | -.1236 | 4.813 | 7.260 | .7860 | 1.475 |
| #3 | 39.77 | 29.81 | 12970. | 40050. | 21.82 | 296300. | .3459 | 4.616 | -.2989 | -1.242 | -2.540 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.0862 | -5.798 | -.3288 | -.0142 | 145.6 | 508.0 | 530.8 | 259.8 | .0555 |
| Stddev | .5108 | .323 | .2294 | .1026 | 1.5 | 2.9 | 8.6 | 2.0 | 1.104 |
| %RSD | 592.8 | 5.576 | 69.78 | 721.4 | 1.031 | .5740 | 1.625 | .7832 | 1991. |

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|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | .4489 | -6.120 | -.1649 | .0846 | 147.3 | 509.8 | 529.9 | 260.6 | -1.091 |
| #2 | -.5686 | -5.473 | -.5909 | -.1202 | 144.5 | 504.7 | 522.7 | 257.5 | .1455 |
| #3 | -.1388 | -5.799 | -.2304 | -.0070 | 144.9 | 509.6 | 539.9 | 261.4 | 1.112 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 22998. | 38586. | 16984. |
| Stddev | 267. | 190. | 320. |
| %RSD | 1.1613 | .49275 | 1.8837 |

| | | | |
|----|--------|--------|--------|
| #1 | 22722. | 38383. | 16947. |
| #2 | 23016. | 38617. | 16684. |
| #3 | 23255. | 38759. | 17321. |

Sample Name: AN03648 X10 Acquired: 9/28/2011 12:44:40 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5156 | -6.861 | -4.650 | -2905 | 5.147 | .1964 | 12030. | -.1689 | -.2160 | -.2324 | .1160 |
| Stddev | .5165 | .759 | 20.52 | 2.598 | .115 | .1117 | 11. | .1841 | .0958 | 1.312 | .5509 |
| %RSD | 100.2 | 11.06 | 441.3 | 894.4 | 2.224 | 56.86 | .0951 | 109.0 | 44.36 | 564.7 | 475.1 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| #1 | .0449 | -7.731 | 3.172 | 2.350 | 5.276 | .3235 | 12030. | -.2909 | -.1154 | .6553 | -.4889 |
| #2 | -.6191 | -6.518 | 10.81 | -.3784 | 5.058 | .1515 | 12010. | -.2586 | -.2265 | .3871 | .5889 |
| #3 | -.9724 | -6.334 | -27.93 | -2.843 | 5.105 | .1141 | 12030. | .0429 | -.3062 | -1.740 | .2478 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 62.17 | 61.27 | 11380. | 34170. | 43.05 | 265400. | .1740 | 15.08 | -.0491 | -2.148 | -.5363 |
| Stddev | 1.38 | 3.00 | 89. | 129. | .48 | 5417. | .4428 | 1.87 | 3.153 | 1.444 | 1.655 |
| %RSD | 2.212 | 4.891 | .7835 | .3767 | 1.119 | 2.041 | 254.4 | 12.38 | 6421. | 67.25 | 308.6 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 61.54 | 64.72 | 11280. | 34040. | 42.59 | 267800. | .3570 | 13.30 | 3.299 | -3.461 | .3825 |
| #2 | 61.22 | 59.40 | 11400. | 34300. | 43.02 | 269300. | .4960 | 17.02 | -2.961 | -2.382 | -2.447 |
| #3 | 63.75 | 59.67 | 11450. | 34160. | 43.55 | 259200. | -.3309 | 14.91 | -.4856 | -.6007 | .4557 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.1174 | -6.384 | -.1667 | -.2643 | 132.6 | 351.1 | 348.5 | 210.0 | -.0967 |
| Stddev | .4276 | .168 | .3429 | .5567 | 2.3 | 3.8 | 15.0 | 1.7 | .6376 |
| %RSD | 364.3 | 2.633 | 205.7 | 210.7 | 1.764 | 1.091 | 4.318 | .8247 | 659.4 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | .0859 | -6.216 | -.5615 | .1873 | 135.1 | 355.5 | 331.3 | 208.1 | -.6583 |
| #2 | -.6087 | -6.553 | .0046 | -.8862 | 130.5 | 348.5 | 359.3 | 211.5 | .5964 |
| #3 | .1707 | -6.383 | .0568 | -.0939 | 132.1 | 349.2 | 355.0 | 210.5 | -.2282 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23069. | 38216. | 16752. |
| Stddev | 634. | 394. | 101. |
| %RSD | 2.7490 | 1.0322 | .60398 |

| | | | |
|----|--------|--------|--------|
| #1 | 22423. | 37820. | 16725. |
| #2 | 23094. | 38221. | 16667. |
| #3 | 23690. | 38608. | 16864. |

Sample Name: CCV Acquired: 9/28/2011 12:49:36 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.6 | 4537. | 4797. | 200.7 | 197.0 | 187.2 | 5146. | 209.6 | 197.1 | 224.2 | 194.7 |
| Stddev | 1.6 | 58. | 52. | 1.3 | 2.5 | 2.2 | 44. | 1.2 | .9 | 2.2 | 1.0 |
| %RSD | .8461 | 1.278 | 1.074 | .6606 | 1.248 | 1.157 | .8570 | .5919 | .4551 | .9598 | .5170 |

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|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 191.9 | 4496. | 4738. | 200.0 | 194.2 | 184.7 | 5097. | 210.1 | 197.4 | 225.1 | 193.9 |
| #2 | 195.1 | 4604. | 4824. | 202.3 | 198.2 | 188.2 | 5183. | 208.2 | 196.0 | 225.8 | 195.8 |
| #3 | 193.7 | 4513. | 4830. | 200.0 | 198.6 | 188.7 | 5157. | 210.5 | 197.7 | 221.7 | 194.3 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5586. | 5208. | 5066. | 5358. | 228.1 | 5347. | 205.5 | 209.9 | 191.9 | 210.6 | 197.8 |
| Stddev | 32. | 90. | 85. | 14. | 1.0 | 43. | .9 | 3.1 | 2.5 | 4.2 | 1.4 |
| %RSD | .5763 | 1.725 | 1.686 | .2657 | .4364 | .8132 | .4505 | 1.496 | 1.300 | 1.992 | .7005 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5550. | 5107. | 4968. | 5342. | 227.2 | 5315. | 205.6 | 212.2 | 193.8 | 214.8 | 196.3 |
| #2 | 5612. | 5239. | 5127. | 5370. | 229.2 | 5397. | 204.5 | 206.3 | 189.0 | 206.4 | 199.0 |
| #3 | 5596. | 5278. | 5101. | 5363. | 227.9 | 5331. | 206.4 | 211.2 | 192.8 | 210.8 | 198.0 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 206.9 | 224.4 | 196.3 | 202.2 | 183.0 | 5083. | 4896. | 213.5 | 217.6 |
| Stddev | 1.9 | 1.1 | 1.3 | 1.1 | .6 | 52. | 46. | 1.4 | .5 |
| %RSD | .9301 | .5017 | .6402 | .5509 | .3098 | 1.025 | .9487 | .6473 | .2422 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 205.8 | 224.9 | 196.9 | 201.7 | 183.6 | 5065. | 4842. | 212.7 | 217.4 |
| #2 | 209.1 | 223.1 | 194.9 | 203.5 | 182.6 | 5142. | 4923. | 215.1 | 217.1 |
| #3 | 205.9 | 225.1 | 197.2 | 201.4 | 182.6 | 5042. | 4922. | 212.7 | 218.1 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23509. | 38772. | 17372. |
| Stddev | 145. | 229. | 200. |
| %RSD | .61668 | .59103 | 1.1500 |

| | | | |
|----|--------|--------|--------|
| #1 | 23670. | 39003. | 17588. |
| #2 | 23388. | 38545. | 17194. |
| #3 | 23469. | 38768. | 17335. |

Sample Name: CCB Acquired: 9/28/2011 12:54:13 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6278 | -4.288 | -15.44 | -1.564 | 1.047 | -0.823 | -11.55 | -0.727 | .0190 | -.1539 | .0296 |
| Stddev | .4881 | .520 | 19.50 | .948 | .387 | .1054 | 5.48 | .0653 | .4304 | .3429 | .3296 |
| %RSD | 77.76 | 12.12 | 126.3 | 60.58 | 36.97 | 128.1 | 47.41 | 89.74 | 2270. | 222.8 | 1113. |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -4.558 | -4.886 | 7.041 | -2.407 | .6850 | -.0695 | -5.229 | -.1341 | -.1298 | -.0563 | -.3164 |
| #2 | -2.489 | -4.036 | -25.61 | -1.748 | 1.001 | .0162 | -14.67 | -.0800 | .5040 | -.5351 | .3399 |
| #3 | -1.179 | -3.943 | -27.76 | -.5384 | 1.455 | -.1934 | -14.76 | -.0041 | -.3174 | .1296 | .0653 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.325 | -2.437 | -190.1 | 3.559 | -.1769 | 104.9 | -.4368 | .9194 | 1.567 | -.6462 | -.4921 |
| Stddev | .184 | 3.163 | 24.3 | 3.207 | .0957 | 22.2 | .3355 | .9226 | 1.489 | 2.453 | 2.041 |
| %RSD | 4.250 | 129.8 | 12.81 | 90.11 | 54.12 | 21.17 | 76.80 | 100.3 | 95.02 | 379.6 | 414.6 |

| | | | | | | | | | | | |
|----|--------|--------|--------|-------|--------|-------|--------|-------|-------|--------|--------|
| #1 | -4.186 | -3.368 | -187.8 | 2.065 | -.1684 | 126.4 | -.1555 | .3465 | .0370 | -1.926 | -2.203 |
| #2 | -4.255 | 1.087 | -166.9 | 7.240 | -.2767 | 82.08 | -.3469 | 1.984 | 3.011 | 2.182 | -1.039 |
| #3 | -4.533 | -5.030 | -215.5 | 1.372 | -.0857 | 106.1 | -.8082 | .4280 | 1.653 | -2.195 | 1.766 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.303 | -6.950 | .0060 | -.5352 | -2.605 | -29.82 | -4.661 | -.8150 | .5306 |
| Stddev | .4736 | .087 | .3643 | .0940 | .138 | 2.50 | 16.95 | .5384 | .5796 |
| %RSD | 110.1 | 1.257 | 6043. | 17.57 | 5.304 | 8.401 | 363.6 | 66.06 | 109.2 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| #1 | -.9737 | -6.957 | -.1408 | -.5425 | -2.715 | -28.44 | 11.03 | -1.407 | .0447 |
| #2 | -.2116 | -6.859 | .4208 | -.4377 | -2.650 | -28.30 | -2.376 | -.3554 | 1.172 |
| #3 | -.1056 | -7.034 | -.2620 | -.6254 | -2.450 | -32.71 | -22.63 | -.6824 | .3750 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23548. | 38839. | 16743. |
| Stddev | 114. | 798. | 193. |
| %RSD | .48566 | 2.0536 | 1.1498 |

| | | | |
|----|--------|--------|--------|
| #1 | 23442. | 37921. | 16965. |
| #2 | 23534. | 39236. | 16620. |
| #3 | 23669. | 39361. | 16644. |

Sample Name: AN03650 X10 Acquired: 9/28/2011 12:59:01 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.101 | -5.795 | -6.169 | 1.228 | 12.86 | .2926 | 16200. | -2556 | -.0695 | 6.985 | -.2762 |
| Stddev | .0387 | .639 | 13.50 | 1.392 | .10 | .0514 | 153. | .2373 | .1205 | .537 | .6675 |
| %RSD | 9.444 | 11.03 | 218.9 | 113.3 | .7639 | 17.58 | .9458 | 92.81 | 173.3 | 7.687 | 241.6 |

| | | | | | | | | | | | |
|----|--------|--------|--------|-------|-------|-------|--------|--------|--------|-------|--------|
| #1 | -4.431 | -6.445 | -15.55 | .2890 | 12.97 | .2913 | 16040. | -.4191 | -.0458 | 7.317 | .4916 |
| #2 | -.3675 | -5.773 | -12.26 | 2.827 | 12.82 | .3447 | 16220. | -.3643 | .0373 | 6.366 | -.6028 |
| #3 | -.4196 | -5.167 | 9.306 | .5684 | 12.78 | .2418 | 16350. | .0165 | -.2001 | 7.273 | -.7175 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 57.01 | 49.17 | 13130. | 38400. | 113.9 | 306300. | 3.984 | 4.932 | 2.006 | 1.255 | -1.056 |
| Stddev | .44 | 3.32 | 67. | 227. | .2 | 4337. | .488 | 3.273 | 2.171 | 1.534 | .874 |
| %RSD | .7755 | 6.744 | .5113 | .5905 | .1703 | 1.416 | 12.25 | 66.36 | 108.2 | 122.2 | 82.80 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|-------|-------|-------|--------|--------|
| #1 | 57.31 | 52.78 | 13090. | 38160. | 114.0 | 305400. | 3.454 | 3.677 | .0584 | 1.927 | -1.645 |
| #2 | 57.21 | 46.26 | 13100. | 38610. | 114.1 | 311000. | 4.081 | 2.472 | 4.347 | -.5001 | -1.472 |
| #3 | 56.50 | 48.47 | 13210. | 38430. | 113.7 | 302400. | 4.416 | 8.646 | 1.614 | 2.338 | -.0513 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6592 | -6.459 | -.1316 | -.4020 | 153.0 | 648.4 | 641.7 | 259.1 | .5953 |
| Stddev | .3695 | .055 | .1804 | .0997 | 1.0 | 5.6 | 19.6 | 1.1 | 1.023 |
| %RSD | 56.06 | .8500 | 137.0 | 24.79 | .6257 | .8628 | 3.059 | .4139 | 171.9 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|
| #1 | -1.085 | -6.404 | .0403 | -.2879 | 153.6 | 649.3 | 619.5 | 258.6 | 1.208 |
| #2 | -.4284 | -6.458 | -.1157 | -.4462 | 153.5 | 642.3 | 648.7 | 260.3 | 1.164 |
| #3 | -.4637 | -6.514 | -.3194 | -.4719 | 151.9 | 653.4 | 656.8 | 258.3 | -.5862 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23817. | 37867. | 16524. |
| Stddev | 118. | 156. | 503. |
| %RSD | .49705 | .41297 | 3.0439 |

| | | | |
|----|--------|--------|--------|
| #1 | 23681. | 37865. | 17007. |
| #2 | 23881. | 37711. | 16003. |
| #3 | 23891. | 38024. | 16563. |

Sample Name: AN03652 X10 Acquired: 9/28/2011 13:03:56 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (J11070033)

| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2929 | -4843 | 2.332 | 2.220 | 16.21 | .2784 | 16400. | -2773 | .1125 | -.0139 | .0416 |
| Stddev | .3420 | 1.296 | 8.020 | 2.563 | .18 | .2631 | 61. | .2270 | .1587 | .8602 | .2427 |
| %RSD | 116.8 | 267.6 | 344.0 | 115.5 | 1.110 | 94.48 | .3749 | 81.85 | 141.0 | 6209. | 582.9 |

| | | | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| #1 | -4580 | -1.934 | 2.067 | 4.948 | 16.03 | .5626 | 16340. | -.3704 | .1088 | -.4365 | .0856 |
| #2 | .1004 | .5614 | 10.48 | -.1382 | 16.39 | .2292 | 16400. | -.4429 | -.0443 | .9759 | .2594 |
| #3 | -.5210 | -.0803 | -5.553 | 1.849 | 16.20 | .0435 | 16470. | -.0186 | .2731 | -.5810 | -.2201 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 230.3 | 213.3 | 13860. | 40440. | 20.13 | 313500. | .0775 | 11.69 | -.2935 | -2.527 | -1.564 |
| Stddev | 2.1 | 4.2 | 82. | 272. | .08 | 3196. | .2566 | .71 | 1.503 | .485 | .652 |
| %RSD | .9162 | 1.963 | .5901 | .6738 | .4217 | 1.019 | 330.9 | 6.055 | 512.0 | 19.19 | 41.71 |

| | | | | | | | | | | | |
|----|-------|-------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | 228.3 | 208.5 | 13770. | 40160. | 20.03 | 313700. | -.1067 | 12.21 | -1.915 | -2.921 | -2.094 |
| #2 | 230.0 | 215.1 | 13870. | 40440. | 20.20 | 316600. | .3707 | 11.98 | -.0179 | -2.674 | -1.763 |
| #3 | 232.5 | 216.3 | 13930. | 40710. | 20.16 | 310200. | -.0313 | 10.88 | 1.052 | -1.985 | -.8352 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2387 | -6.147 | -.3479 | -.0253 | 164.2 | 692.8 | 671.9 | 272.6 | .6682 |
| Stddev | .5446 | .177 | .3711 | .1011 | .6 | 6.1 | 10.3 | 1.8 | .3200 |
| %RSD | 228.1 | 2.887 | 106.7 | 399.8 | .3764 | .8753 | 1.533 | .6540 | 47.89 |

| | | | | | | | | | |
|----|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| #1 | -.8582 | -5.944 | -.7761 | -.0923 | 164.0 | 686.6 | 673.8 | 270.6 | .5029 |
| #2 | -.0227 | -6.227 | -.1176 | -.0746 | 163.7 | 693.1 | 660.7 | 273.5 | 1.037 |
| #3 | .1646 | -6.270 | -.1501 | .0910 | 164.9 | 698.7 | 681.1 | 273.8 | .4647 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
|-----------|----------|----------|----------|
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23956. | 38665. | 16744. |
| Stddev | 145. | 188. | 269. |
| %RSD | .60525 | .48615 | 1.6078 |

| | | | |
|----|--------|--------|--------|
| #1 | 24067. | 38805. | 17043. |
| #2 | 24010. | 38739. | 16520. |
| #3 | 23792. | 38452. | 16669. |

Sample Name: AN03653 Acquired: 9/28/2011 13:08:51 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (J11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -6076 | -3.828 | 2.061 | -1.451 | .9353 | -.0906 | -6.359 | -.1174 | -.1191 | -.5071 | .0741 |
| Stddev | .4237 | .765 | 4.873 | 2.717 | .1490 | .1367 | 4.234 | .2554 | .2330 | .0984 | .2393 |
| %RSD | 69.73 | 19.98 | 236.4 | 187.2 | 15.94 | 150.8 | 66.58 | 217.5 | 195.6 | 19.40 | 323.1 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | -1.080 | -4.709 | 4.712 | -2.608 | .9050 | .0280 | -7.755 | -.3397 | -.3879 | -.6024 | -.0421 |
| #2 | -.4804 | -3.330 | 5.034 | 1.653 | 1.097 | -.0598 | -1.604 | .1615 | .0256 | -.4059 | .3492 |
| #3 | -.2621 | -3.445 | -3.563 | -3.398 | .8037 | -.2401 | -9.719 | -.1741 | .0050 | -.5130 | -.0850 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -4.389 | -4.604 | -170.1 | 7.001 | -.1912 | 422.6 | -.3942 | .6880 | .3246 | -4.204 | -2.445 |
| Stddev | .429 | 3.597 | 20.8 | 17.64 | .0470 | 45.3 | .7672 | 1.268 | 1.769 | 2.391 | 1.357 |
| %RSD | 9.775 | 78.14 | 12.21 | 252.0 | 24.59 | 10.73 | 194.6 | 184.3 | 545.0 | 56.88 | 55.49 |

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|----|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|
| #1 | -4.600 | -7.773 | -162.9 | 22.66 | -.1668 | 473.3 | .4454 | -.6423 | 2.210 | -5.890 | -1.134 |
| #2 | -4.671 | -5.345 | -193.5 | -12.11 | -.1615 | 408.5 | -.5695 | .8235 | -1.301 | -5.256 | -2.358 |
| #3 | -3.895 | -.6935 | -153.9 | 10.46 | -.2454 | 386.0 | -1.059 | 1.883 | .0649 | -1.467 | -3.843 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.2287 | -7.075 | -.1668 | -.2342 | -1.978 | -23.73 | 1.181 | .1338 | -.0297 |
| Stddev | .5846 | .274 | .2698 | .0934 | 1.363 | 1.21 | 10.40 | .4061 | 1.437 |
| %RSD | 255.7 | 3.879 | 161.7 | 39.89 | 68.91 | 5.120 | 880.4 | 303.6 | 4839. |

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|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.4914 | -7.175 | .1388 | -.2028 | -2.123 | -22.40 | 10.55 | .5481 | -1.275 |
| #2 | -.6358 | -7.286 | -.3720 | -.1606 | -3.263 | -24.77 | -10.01 | -.2635 | -.3572 |
| #3 | .4412 | -6.765 | -.2672 | -.3393 | -.5483 | -24.03 | 3.003 | .1167 | 1.543 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23822. | 38993. | 17205. |
| Stddev | 90. | 196. | 118. |
| %RSD | .37916 | .50298 | .68863 |

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|----|--------|--------|--------|
| #1 | 23729. | 38914. | 17202. |
| #2 | 23910. | 38849. | 17088. |
| #3 | 23826. | 39216. | 17325. |

Sample Name: AN03654 Acquired: 9/28/2011 13:13:41 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD ()11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1439 | 3.453 | 2.609 | -1.427 | 1.709 | -.0948 | 162.3 | -.2028 | -.0851 | .1512 | -.4570 |
| Stddev | .2514 | .621 | 21.41 | 1.313 | .217 | .1222 | 4.0 | .0768 | .2537 | .4876 | .7591 |
| %RSD | 174.8 | 17.98 | 820.7 | 92.04 | 12.69 | 128.9 | 2.479 | 37.85 | 298.2 | 322.4 | 166.1 |

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|----|--------|-------|--------|--------|-------|--------|-------|--------|--------|--------|--------|
| #1 | -4029 | 3.764 | .0165 | -.2807 | 1.466 | -.2247 | 159.2 | -.2543 | -.1636 | -.3052 | -1.297 |
| #2 | -.1279 | 3.858 | -17.39 | -2.860 | 1.883 | .0177 | 160.9 | -.1146 | .1986 | .0939 | -.2550 |
| #3 | .0992 | 2.738 | 25.20 | -1.140 | 1.778 | -.0774 | 166.9 | -.2396 | -.2903 | .6650 | .1807 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 10.23 | 8.883 | -56.76 | 397.6 | .2976 | 3264. | .3173 | .1631 | .4742 | -1.723 | -1.532 |
| Stddev | .47 | 2.978 | 36.19 | 16.8 | .0143 | 3. | .6077 | 2.346 | 3.155 | 2.730 | 1.634 |
| %RSD | 4.582 | 33.52 | 63.77 | 4.231 | 4.820 | .1008 | 191.5 | 1439. | 665.2 | 158.4 | 106.7 |

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|----|-------|-------|--------|-------|-------|-------|--------|--------|--------|--------|--------|
| #1 | 9.937 | 11.04 | -85.53 | 380.7 | .2871 | 3268. | 1.008 | -2.082 | -1.666 | -2.123 | -.5686 |
| #2 | 9.976 | 5.486 | -68.62 | 397.7 | .3140 | 3261. | -.1356 | 2.599 | -1.008 | -4.231 | -3.418 |
| #3 | 10.77 | 10.12 | -16.12 | 414.4 | .2918 | 3264. | .0796 | -.0272 | 4.097 | 1.184 | -.6083 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -5280 | -4.542 | -.3856 | -.1074 | -1.701 | -12.67 | 10.21 | 2.327 | .1134 |
| Stddev | .2924 | .392 | .3015 | .2316 | 1.599 | .74 | 21.77 | .461 | .7596 |
| %RSD | 55.37 | 8.640 | 78.19 | 215.6 | 94.01 | 5.875 | 213.2 | 19.81 | 669.7 |

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|----|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| #1 | -.1916 | -4.207 | -.6244 | .1538 | -.0409 | -11.85 | -8.296 | 1.970 | -.7060 |
| #2 | -.6720 | -4.444 | -.0468 | -.1887 | -3.231 | -12.89 | 4.734 | 2.164 | .2522 |
| #3 | -.7205 | -4.974 | -.4857 | -.2874 | -1.831 | -13.29 | 34.19 | 2.848 | .7941 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

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|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 24259. | 39028. | 16862. |
| Stddev | 42. | 363. | 325. |
| %RSD | .17323 | .92962 | 1.9270 |

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|----|--------|--------|--------|
| #1 | 24308. | 38613. | 16494. |
| #2 | 24234. | 39189. | 17111. |
| #3 | 24236. | 39283. | 16980. |

Sample Name: AN03655 X10 Acquired: 9/28/2011 13:18:29 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .1514 | -11.39 | -13.86 | -2.107 | 12.53 | .1907 | 16460. | -.2186 | -.2021 | -.1772 | -.9762 |
| Stddev | .3591 | 1.84 | 12.32 | .957 | .14 | .3463 | 30. | .2492 | .1297 | .5825 | .4355 |
| %RSD | 237.2 | 16.12 | 88.88 | 45.43 | 1.086 | 181.6 | .1818 | 114.0 | 64.16 | 328.7 | 44.61 |

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|----|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| #1 | .5639 | -9.319 | .3049 | -3.187 | 12.38 | .1990 | 16430. | -.2114 | -.2359 | -.0741 | -1.377 |
| #2 | -.0915 | -12.82 | -22.07 | -1.769 | 12.64 | .5327 | 16490. | .0270 | -.0589 | .3468 | -1.039 |
| #3 | -.0182 | -12.02 | -19.80 | -1.365 | 12.57 | -.1597 | 16470. | -.4713 | -.3116 | -.8044 | -.5125 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | .7157 | -3.309 | 12880. | 37950. | 186.2 | 290400. | .2827 | .8880 | -1.071 | -2.385 | -2.151 |
| Stddev | .3700 | .935 | 75. | 266. | 1.4 | 14290. | .4852 | .1564 | 7.675 | 1.197 | 2.648 |
| %RSD | 51.69 | 28.24 | .5784 | .7006 | .7260 | 4.920 | 171.6 | 17.61 | 716.6 | 50.18 | 123.1 |

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|----|-------|--------|--------|--------|-------|---------|--------|-------|--------|--------|--------|
| #1 | .2886 | -4.355 | 12840. | 37670. | 184.8 | 306100. | -.0601 | 1.031 | 7.791 | -3.585 | -.8023 |
| #2 | .9206 | -3.014 | 12840. | 37980. | 186.2 | 287100. | .0702 | .9116 | -5.611 | -2.380 | -.4490 |
| #3 | .9379 | -2.557 | 12970. | 38200. | 187.6 | 278100. | .8379 | .7211 | -5.393 | -1.191 | -5.202 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--|--|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 | | |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | | |
| Avg | -.8749 | -7.845 | -.2829 | -.5394 | 148.1 | 635.7 | 629.2 | 253.6 | -.1566 | | |
| Stddev | .3513 | .381 | .4055 | .4076 | 1.7 | 4.3 | 27.5 | 2.3 | .2343 | | |
| %RSD | 40.16 | 4.850 | 143.3 | 75.57 | 1.122 | .6722 | 4.367 | .8920 | 149.6 | | |

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|----|--------|--------|--------|--------|-------|-------|-------|-------|--------|--|--|
| #1 | -.8477 | -7.461 | .1686 | -.8320 | 148.9 | 640.6 | 645.2 | 251.0 | -.4169 | | |
| #2 | -.5379 | -8.222 | -.6160 | -.0738 | 149.1 | 632.9 | 597.5 | 254.6 | .0373 | | |
| #3 | -1.239 | -7.852 | -.4012 | -.7122 | 146.2 | 633.6 | 645.0 | 255.2 | -.0903 | | |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | | |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|-----------|----------|----------|----------|--|--|--|--|--|--|--|--|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R | | | | | | | | |
| Units | Cts/S | Cts/S | Cts/S | | | | | | | | |
| Avg | 24713. | 38882. | 16097. | | | | | | | | |
| Stddev | 413. | 280. | 131. | | | | | | | | |
| %RSD | 1.6729 | .71898 | .81680 | | | | | | | | |

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|----|--------|--------|--------|--|--|--|--|--|--|--|--|
| #1 | 24542. | 38609. | 16211. | | | | | | | | |
| #2 | 24413. | 38869. | 16126. | | | | | | | | |
| #3 | 25185. | 39168. | 15953. | | | | | | | | |

Sample Name: AN03675 X10 Acquired: 9/28/2011 13:23:24 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.918 | 21500. | 23040. | 21.29 | 232.4 | 27.20 | 23280. | 6.905 | 191.0 | 385.6 |
| Stddev | .629 | 294. | 88. | 2.67 | 1.9 | .40 | 131. | .223 | .9 | 1.5 |
| %RSD | 32.81 | 1.367 | .3832 | 12.54 | .8037 | 1.487 | .5643 | 3.229 | .4948 | .3908 |

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|----|-------|--------|--------|-------|-------|-------|--------|-------|-------|-------|
| #1 | 1.471 | 21180. | 23110. | 19.66 | 234.2 | 26.74 | 23390. | 7.155 | 192.0 | 386.2 |
| #2 | 2.638 | 21750. | 22940. | 24.37 | 230.4 | 27.37 | 23130. | 6.834 | 190.9 | 383.9 |
| #3 | 1.646 | 21570. | 23070. | 19.83 | 232.5 | 27.49 | 23300. | 6.727 | 190.1 | 386.7 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

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|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3493. | F 151400. | 161800. | 2976. | 12970. | 1539. | 7430. | 1436. | 4929. | 10.37 |
| Stddev | 17. | 1380. | 628. | 19. | 16. | 7. | 58. | 2. | 15. | 3.97 |
| %RSD | .4858 | .9116 | .3880 | .6314 | .1233 | .4258 | .7837 | .1473 | .2993 | 38.30 |

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|----|-------|---------|---------|-------|--------|-------|-------|-------|-------|-------|
| #1 | 3511. | 151400. | 161600. | 2977. | 12980. | 1533. | 7491. | 1437. | 4941. | 14.76 |
| #2 | 3477. | 150000. | 162500. | 2994. | 12980. | 1546. | 7423. | 1434. | 4935. | 9.300 |
| #3 | 3492. | 152800. | 161200. | 2956. | 12950. | 1537. | 7375. | 1438. | 4913. | 7.037 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Tl1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.708 | -2.000 | 1530. | 20720. | 63.90 | 795.2 | 210.6 | 787.9 | 759.2 | 208.4 |
| Stddev | 3.685 | 1.174 | 7. | 122. | .40 | 1.1 | .9 | 8.1 | 6.2 | .6 |
| %RSD | 215.8 | 58.70 | .4507 | .5899 | .6253 | .1322 | .4156 | 1.028 | .8197 | .2873 |

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|----|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| #1 | -3.222 | -1.957 | 1535. | 20810. | 64.04 | 795.9 | 211.5 | 796.5 | 754.5 | 208.3 |
| #2 | -4.394 | -3.195 | 1522. | 20780. | 64.21 | 795.6 | 209.7 | 786.8 | 766.3 | 209.1 |
| #3 | 2.493 | -.8484 | 1532. | 20580. | 63.45 | 794.0 | 210.6 | 780.5 | 756.7 | 207.9 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

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|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1296. |
| Stddev | 2. |
| %RSD | .1254 |

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|----|-------|
| #1 | 1295. |
| #2 | 1298. |
| #3 | 1295. |

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|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23441. | 38875. | 17284. |
| Stddev | 208. | 557. | 180. |
| %RSD | .88806 | 1.4326 | 1.0406 |

| | | | |
|----|--------|--------|--------|
| #1 | 23469. | 39511. | 17465. |
| #2 | 23220. | 38643. | 17282. |
| #3 | 23633. | 38472. | 17106. |

Sample Name: AN03676 X10 Acquired: 9/28/2011 13:28:20 Type: Unk
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 1.172 | 18800. | 19790. | 33.27 | 201.3 | 17.94 | 18260. | -4592 | 165.0 | 262.6 |
| Stddev | .547 | 295. | 26. | 4.47 | .3 | .16 | 28. | .3426 | .3 | 1.5 |
| %RSD | 46.64 | 1.569 | .1332 | 13.42 | .1361 | .8745 | .1532 | 74.62 | .1626 | .5793 |

| | | | | | | | | | | |
|----|-------|--------|--------|-------|-------|-------|--------|--------|-------|-------|
| #1 | .8765 | 19120. | 19800. | 33.57 | 201.5 | 17.85 | 18260. | -.4020 | 165.1 | 263.5 |
| #2 | 1.803 | 18530. | 19760. | 28.65 | 201.0 | 18.12 | 18240. | -.1487 | 164.7 | 260.8 |
| #3 | .8372 | 18750. | 19810. | 37.57 | 201.5 | 17.85 | 18290. | -.8268 | 165.2 | 263.4 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

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|--------|--------|-----------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem | Cu3247 | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 3149. | F 118300. | 122800. | 2786. | 9540. | 1356. | 6558. | 546.9 | 3350. | 24.77 |
| Stddev | 11. | 2102. | 260. | 29. | 18. | 9. | 34. | 1.0 | 16. | 3.70 |
| %RSD | .3546 | 1.777 | .2119 | 1.048 | .1835 | .6833 | .5123 | .1758 | .4755 | 14.93 |

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|----|-------|---------|---------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 3162. | 119700. | 122900. | 2809. | 9556. | 1363. | 6596. | 548.0 | 3331. | 20.51 |
| #2 | 3142. | 115900. | 122500. | 2753. | 9541. | 1345. | 6547. | 546.4 | 3361. | 26.67 |
| #3 | 3142. | 119300. | 123000. | 2795. | 9521. | 1359. | 6532. | 546.4 | 3357. | 27.14 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | 76500. | | | | | | | | |
| Low Limit | | -500.0 | | | | | | | | |

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| Elem | Se1960 | Ti1908 | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2.299 | -.9830 | 109.1 | 18000. | 51.20 | 456.9 | 191.8 | 448.2 | 444.6 | 157.6 |
| Stddev | 3.402 | 1.517 | 1.2 | 210. | .29 | 1.9 | .6 | 2.9 | 25.4 | .4 |
| %RSD | 148.0 | 154.3 | 1.128 | 1.166 | .5720 | .4177 | .3125 | .6441 | 5.713 | .2457 |

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|----|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| #1 | -5.981 | -1.348 | 110.4 | 17760. | 51.13 | 459.0 | 192.1 | 447.3 | 454.8 | 158.0 |
| #2 | -1.643 | .6832 | 107.9 | 18090. | 51.53 | 455.2 | 192.2 | 445.9 | 415.7 | 157.4 |
| #3 | .7277 | -2.285 | 108.9 | 18150. | 50.95 | 456.5 | 191.1 | 451.4 | 463.3 | 157.3 |

| | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | |
| Low Limit | | | | | | | | | | |

| | |
|--------|--------|
| Elem | Sn1899 |
| Units | ppb |
| Avg | 1249. |
| Stddev | 3. |
| %RSD | .2367 |

| | |
|----|-------|
| #1 | 1248. |
| #2 | 1247. |
| #3 | 1253. |

| | |
|------------|----------|
| Check ? | Chk Pass |
| High Limit | |
| Low Limit | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23212. | 38572. | 18068. |
| Stddev | 78. | 667. | 193. |
| %RSD | .33458 | 1.7298 | 1.0660 |

| | | | |
|----|--------|--------|--------|
| #1 | 23206. | 37836. | 17935. |
| #2 | 23138. | 39136. | 17981. |
| #3 | 23293. | 38744. | 18289. |

Sample Name: AN03678 X10 Acquired: 9/28/2011 13:33:16 Type: Unk

Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000

User: RRecto Instrument: ICAP6300 Method: SOP-C-109

Comment: JEWETT WHITE LEAD (11070033)

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 2.012 | 8125. | 8556. | 45.58 | 154.7 | 3.333 | 144900. | .7874 | 20.61 | 145.8 | 374.0 |
| Stddev | .459 | 71. | 22. | 3.45 | 1.4 | .061 | 2187. | .0944 | .15 | 1.1 | 3.2 |
| %RSD | 22.82 | .8688 | .2581 | 7.561 | .9269 | 1.819 | 1.509 | 11.99 | .7423 | .7480 | .8446 |

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|----|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|
| #1 | 2.406 | 8206. | 8581. | 48.43 | 156.2 | 3.368 | 147300. | .7040 | 20.78 | 147.1 | 377.5 |
| #2 | 2.124 | 8090. | 8538. | 46.56 | 154.7 | 3.263 | 144200. | .7682 | 20.49 | 145.1 | 373.0 |
| #3 | 1.508 | 8078. | 8550. | 41.75 | 153.3 | 3.368 | 143100. | .8899 | 20.55 | 145.2 | 371.5 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 37550. | 36240. | 1549. | 5542. | 1028. | 5068. | 80.40 | 23630. | 1.209 | 1.492 | -1.589 |
| Stddev | 824. | 221. | 33. | 39. | 5. | 23. | .62 | 91. | .802 | 1.518 | .872 |
| %RSD | 2.194 | .6097 | 2.113 | .6991 | .4592 | .4612 | .7724 | .3871 | 66.35 | 101.8 | 54.88 |

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|----|--------|--------|-------|-------|-------|-------|-------|--------|-------|--------|--------|
| #1 | 38470. | 36490. | 1511. | 5513. | 1034. | 5093. | 80.60 | 23630. | .3329 | 2.553 | -.7305 |
| #2 | 36880. | 36190. | 1570. | 5528. | 1026. | 5063. | 79.70 | 23720. | 1.907 | 2.170 | -1.562 |
| #3 | 37300. | 36060. | 1565. | 5586. | 1026. | 5047. | 80.89 | 23540. | 1.387 | -.2473 | -2.474 |

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|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

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|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 64.83 | 2069. | 5.488 | 188.4 | 34.08 | 420.5 | 412.3 | 569.9 | 140.2 |
| Stddev | .91 | 15. | .748 | 1.1 | .57 | 5.7 | 14.6 | 4.8 | 1.8 |
| %RSD | 1.406 | .7183 | 13.63 | .6006 | 1.659 | 1.365 | 3.538 | .8434 | 1.296 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 65.84 | 2062. | 6.169 | 189.7 | 34.14 | 423.2 | 411.1 | 575.3 | 140.5 |
| #2 | 64.59 | 2086. | 5.608 | 187.7 | 33.48 | 424.4 | 398.4 | 566.1 | 138.2 |
| #3 | 64.07 | 2058. | 4.688 | 187.9 | 34.61 | 413.9 | 427.5 | 568.3 | 141.8 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23130. | 38681. | 17602. |
| Stddev | 73. | 567. | 184. |
| %RSD | .31563 | 1.4669 | 1.0463 |

| | | | |
|----|--------|--------|--------|
| #1 | 23086. | 38026. | 17389. |
| #2 | 23215. | 39011. | 17699. |
| #3 | 23091. | 39006. | 17717. |

Sample Name: CCV Acquired: 9/28/2011 13:38:11 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 193.5 | 4521. | 4777. | 202.5 | 196.2 | 188.0 | 5139. | 208.0 | 196.4 | 223.9 | 195.0 |
| Stddev | 1.3 | 42. | 47. | 1.6 | 2.7 | .1 | 62. | .6 | .1 | .8 | 1.6 |
| %RSD | .6714 | .9317 | .9850 | .7921 | 1.373 | .0619 | 1.207 | .2793 | .0319 | .3785 | .8415 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 194.1 | 4531. | 4732. | 200.7 | 193.6 | 188.0 | 5087. | 207.4 | 196.4 | 224.9 | 196.8 |
| #2 | 192.1 | 4475. | 4773. | 203.7 | 196.0 | 188.1 | 5122. | 207.9 | 196.4 | 223.5 | 194.1 |
| #3 | 194.5 | 4558. | 4826. | 203.2 | 199.0 | 187.8 | 5208. | 208.6 | 196.3 | 223.3 | 193.9 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 5609. | 5229. | 5024. | 5319. | 228.7 | 4987. | 205.6 | 211.6 | 191.2 | 211.0 | 198.9 |
| Stddev | 84. | 31. | 23. | 18. | 2.7 | 22. | .3 | 1.3 | 1.6 | 3.4 | 2.0 |
| %RSD | 1.500 | .5863 | .4548 | .3381 | 1.194 | .4363 | .1407 | .6117 | .8314 | 1.608 | 1.013 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5522. | 5198. | 5038. | 5331. | 225.8 | 4963. | 205.5 | 210.4 | 190.3 | 214.0 | 200.8 |
| #2 | 5614. | 5259. | 5036. | 5328. | 229.1 | 5006. | 205.3 | 211.3 | 193.0 | 211.6 | 199.0 |
| #3 | 5690. | 5230. | 4998. | 5298. | 231.2 | 4993. | 205.9 | 213.0 | 190.3 | 207.3 | 196.8 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 205.7 | 221.8 | 196.5 | 202.0 | 185.1 | 5059. | 4896. | 212.9 | 216.9 |
| Stddev | 1.8 | 1.1 | .8 | .8 | 1.8 | 22. | 46. | 1.7 | 1.1 |
| %RSD | .8935 | .5079 | .3912 | .4145 | .9787 | .4329 | .9307 | .8044 | .4875 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 206.2 | 220.5 | 196.4 | 202.2 | 186.7 | 5071. | 4872. | 211.3 | 215.9 |
| #2 | 203.7 | 222.5 | 195.7 | 201.0 | 183.1 | 5033. | 4867. | 212.6 | 218.0 |
| #3 | 207.3 | 222.4 | 197.3 | 202.7 | 185.3 | 5071. | 4949. | 214.7 | 216.7 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23717. | 38983. | 17653. |
| Stddev | 80. | 138. | 187. |
| %RSD | .33862 | .35430 | 1.0583 |

| | | | |
|----|--------|--------|--------|
| #1 | 23723. | 39064. | 17838. |
| #2 | 23633. | 39062. | 17464. |
| #3 | 23794. | 38824. | 17658. |

Sample Name: CCB Acquired: 9/28/2011 13:42:49 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -2381 | -4.796 | 6.501 | -1.743 | .5929 | -.0257 | -11.71 | -.1581 | -.1451 | -.3481 | -.9204 |
| Stddev | .8251 | .570 | 21.71 | 1.049 | .3622 | .1842 | 5.39 | .3183 | .1512 | .2967 | .2567 |
| %RSD | 346.6 | 11.88 | 333.9 | 60.20 | 61.08 | 717.6 | 46.01 | 201.3 | 104.2 | 85.22 | 27.89 |
| #1 | -1.190 | -5.452 | 5.269 | -2.449 | .2029 | .1719 | -8.952 | .0737 | -.3092 | -.6873 | -.6789 |
| #2 | .2669 | -4.438 | -14.56 | -2.244 | .6573 | -.0562 | -8.254 | -.5210 | -.0116 | -.1369 | -.8922 |
| #3 | .2091 | -4.497 | 28.80 | -.5373 | .9186 | -.1927 | -17.91 | -.0270 | -.1144 | -.2201 | -1.190 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -3.687 | -3.138 | -159.5 | 35.36 | -.1836 | -90.34 | .0208 | 1.373 | -1.564 | .1612 | -.7994 |
| Stddev | .444 | 1.473 | 70.8 | 20.71 | .0382 | 17.52 | .2252 | 1.928 | 4.084 | 2.043 | .8268 |
| %RSD | 12.04 | 46.93 | 44.41 | 58.57 | 20.81 | 19.39 | 1085. | 140.4 | 261.1 | 1267. | 103.4 |
| #1 | -3.306 | -2.624 | -203.7 | 23.43 | -.2276 | -92.63 | .2754 | 1.932 | .2279 | .8681 | -.7306 |
| #2 | -3.581 | -4.799 | -77.78 | 59.27 | -.1640 | -71.79 | -.0610 | 2.960 | -6.238 | 1.757 | -.0092 |
| #3 | -4.175 | -1.991 | -196.9 | 23.37 | -.1591 | -106.6 | -.1522 | -.7728 | 1.317 | -2.141 | -1.658 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.5291 | -6.775 | -.2330 | -.2247 | -2.896 | -29.41 | -13.18 | -.4090 | 1.096 |
| Stddev | .0916 | .228 | .5283 | .1868 | .114 | 1.64 | 4.09 | .4450 | 1.152 |
| %RSD | 17.31 | 3.359 | 226.8 | 83.12 | 3.920 | 5.566 | 31.07 | 108.8 | 105.1 |
| #1 | -.4294 | -6.621 | -.5394 | -.1741 | -2.846 | -27.54 | -12.15 | .0405 | -.0856 |
| #2 | -.6095 | -7.036 | -.5366 | -.0684 | -2.816 | -30.13 | -9.697 | -.4179 | 1.157 |
| #3 | -.5483 | -6.667 | .3771 | -.4315 | -3.026 | -30.56 | -17.69 | -.8494 | 2.216 |

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23496. | 39196. | 17179. |
| Stddev | 134. | 757. | 326. |
| %RSD | .56890 | 1.9315 | 1.8994 |
| #1 | 23385. | 38485. | 17201. |
| #2 | 23459. | 39113. | 16843. |
| #3 | 23644. | 39992. | 17494. |

Sample Name: RL Acquired: 9/28/2011 13:47:37 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 4.510 | 84.65 | 96.27 | 8.107 | 99.66 | 3.081 | 504.1 | 3.196 | 20.11 | 5.778 | 10.08 |
| Stddev | .483 | .90 | 11.58 | 2.894 | 1.00 | .095 | 5.9 | .045 | .18 | .262 | .28 |
| %RSD | 10.70 | 1.063 | 12.03 | 35.70 | 1.002 | 3.069 | 1.169 | 1.412 | .9128 | 4.535 | 2.778 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 5.035 | 84.01 | 104.1 | 5.191 | 98.85 | 3.171 | 506.9 | 3.162 | 20.32 | 5.871 | 10.05 |
| #2 | 4.084 | 84.27 | 101.8 | 10.98 | 100.8 | 3.090 | 508.0 | 3.179 | 19.97 | 5.482 | 10.38 |
| #3 | 4.412 | 85.68 | 82.97 | 8.150 | 99.35 | 2.983 | 497.3 | 3.247 | 20.04 | 5.980 | 9.820 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 54.01 | 47.74 | F 327.3 | 524.5 | 5.604 | 886.4 | 20.81 | 9.853 | 17.95 | 18.37 | 18.59 |
| Stddev | .45 | 1.02 | 33.5 | 9.9 | .067 | 18.3 | .58 | .422 | 2.48 | 1.62 | .74 |
| %RSD | .8406 | 2.138 | 10.23 | 1.884 | 1.188 | 2.067 | 2.790 | 4.283 | 13.82 | 8.836 | 3.963 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 53.50 | 47.41 | 360.2 | 530.9 | 5.528 | 878.9 | 20.69 | 9.379 | 16.79 | 17.25 | 18.80 |
| #2 | 54.37 | 46.92 | 293.3 | 529.5 | 5.636 | 907.3 | 21.44 | 10.19 | 20.80 | 17.62 | 19.19 |
| #3 | 54.16 | 48.88 | 328.3 | 513.1 | 5.649 | 873.1 | 20.30 | 9.994 | 16.27 | 20.23 | 17.77 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | 500.0 | | | | | | | | |
| Range | | | -30.00% | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 20.52 | 15.34 | 9.948 | 9.980 | F 6.944 | 475.8 | 476.4 | 11.08 | 10.67 |
| Stddev | .32 | .13 | .289 | .032 | 1.102 | 2.7 | 2.4 | .32 | .69 |
| %RSD | 1.569 | .8732 | 2.910 | .3236 | 15.87 | .5616 | .5001 | 2.874 | 6.429 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 20.68 | 15.41 | 9.806 | 10.02 | 7.690 | 478.5 | 478.0 | 11.29 | 11.46 |
| #2 | 20.72 | 15.18 | 9.756 | 9.965 | 7.465 | 475.7 | 477.5 | 10.72 | 10.27 |
| #3 | 20.15 | 15.41 | 10.28 | 9.957 | 5.679 | 473.2 | 473.7 | 11.24 | 10.28 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Fail | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | 10.00 | | | | |
| Range | | | | | -30.00% | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 23872. | 39342. | 17388. |
| Stddev | 286. | 451. | 347. |
| %RSD | 1.1991 | 1.1456 | 1.9961 |

| | | | |
|----|--------|--------|--------|
| #1 | 24147. | 39643. | 17499. |
| #2 | 23891. | 38824. | 16999. |
| #3 | 23576. | 39560. | 17666. |

Sample Name: 2RL Acquired: 9/28/2011 13:52:25 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 9.996 | 174.3 | 186.8 | 15.21 | 198.7 | 6.142 | 1027. | 6.423 | 40.53 | 11.31 | 20.22 |
| Stddev | .795 | .8 | 17.2 | .34 | .8 | .293 | 5. | .126 | .27 | .53 | .28 |
| %RSD | 7.951 | .4866 | 9.205 | 2.251 | .3948 | 4.774 | .4456 | 1.960 | .6698 | 4.730 | 1.398 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 9.974 | 174.1 | 192.3 | 14.96 | 198.3 | 6.449 | 1022. | 6.398 | 40.52 | 11.92 | 19.91 |
| #2 | 10.80 | 173.6 | 167.5 | 15.60 | 199.5 | 5.865 | 1031. | 6.312 | 40.81 | 11.09 | 20.45 |
| #3 | 9.213 | 175.3 | 200.5 | 15.06 | 198.1 | 6.113 | 1026. | 6.560 | 40.27 | 10.91 | 20.32 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Ti1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 109.1 | 98.16 | 910.5 | 1085. | 11.56 | 1865. | 40.65 | 17.98 | 39.10 | 41.30 | 38.85 |
| Stddev | 2.0 | 3.52 | 55.8 | 9. | .19 | 16. | .19 | 1.72 | 1.74 | 2.42 | .67 |
| %RSD | 1.813 | 3.590 | 6.124 | .8205 | 1.659 | .8493 | .4762 | 9.575 | 4.450 | 5.850 | 1.728 |

| | | | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 107.1 | 97.21 | 895.6 | 1086. | 11.36 | 1880. | 40.52 | 16.29 | 41.06 | 40.23 | 38.09 |
| #2 | 111.0 | 95.21 | 863.7 | 1093. | 11.75 | 1849. | 40.87 | 17.91 | 38.52 | 44.07 | 39.37 |
| #3 | 109.3 | 102.1 | 972.2 | 1075. | 11.56 | 1865. | 40.56 | 19.73 | 37.73 | 39.60 | 39.09 |

| | | | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | | | |
| Range | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | 41.74 | 39.42 | 20.08 | 20.44 | 16.11 | 995.7 | 983.4 | 21.74 | 22.61 |
| Stddev | .65 | .39 | .36 | .33 | .80 | 5.6 | 18.5 | .75 | .37 |
| %RSD | 1.565 | .9952 | 1.814 | 1.629 | 4.983 | .5649 | 1.884 | 3.462 | 1.636 |

| | | | | | | | | | |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| #1 | 41.33 | 39.14 | 20.47 | 20.06 | 16.87 | 989.2 | 972.3 | 20.91 | 22.19 |
| #2 | 42.50 | 39.26 | 20.02 | 20.63 | 16.19 | 998.6 | 973.1 | 21.94 | 22.81 |
| #3 | 41.40 | 39.87 | 19.75 | 20.64 | 15.27 | 999.3 | 1005. | 22.38 | 22.84 |

| | | | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| Value | | | | | | | | | |
| Range | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 24063. | 39129. | 17204. |
| Stddev | 47. | 194. | 66. |
| %RSD | .19629 | .49571 | .38220 |

| | | | |
|----|--------|--------|--------|
| #1 | 24082. | 39325. | 17256. |
| #2 | 24009. | 38937. | 17226. |
| #3 | 24097. | 39125. | 17130. |

Sample Name: IOS Acquired: 9/28/2011 13:57:12 Type: QC
Method: PT_MET(v107) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

| | | | | | | | | | | | |
|--------|--------|---------|---------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem | Ag3280 | Al3961A | Al3961R | As1890 | Ba4554R | Be3131R | Ca3179R | Cd2265 | Co2286 | Cr2677 | Cu3247 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -1.232 | 258200. | 287400. | -.9845 | 1.015 | .2217 | 301800. | -1.648 | -.4581 | .3212 | 3.799 |
| Stddev | .413 | 4445. | 2256. | .4252 | .057 | .2037 | 6323. | .060 | .1775 | .6529 | .674 |
| %RSD | 33.55 | 1.722 | .7848 | 43.19 | 5.657 | 91.88 | 2.095 | 3.664 | 38.75 | 203.3 | 17.74 |

| | | | | | | | | | | | |
|----|--------|---------|---------|--------|-------|-------|---------|--------|--------|--------|-------|
| #1 | -.9014 | 255000. | 290000. | -1.017 | 1.017 | .0734 | 307800. | -1.590 | -.5024 | 1.075 | 4.351 |
| #2 | -1.695 | 263200. | 286100. | -1.392 | .9563 | .4540 | 302600. | -1.644 | -.2626 | -.0571 | 3.048 |
| #3 | -1.099 | 256200. | 286200. | -.5438 | 1.071 | .1378 | 295200. | -1.711 | -.6093 | -.0544 | 3.997 |

| | | | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem | Fe2599A | Fe2599R | K_7664R | Mg2790R | Mn2576 | Na5895R | Ni2316 | Pb2203 | Sb2068 | Se1960 | Tl1908 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | ^ ***** | 296900. | -107.5 | 312700. | -.0741 | 299700. | -.9107 | -3.835 | 4.430 | -10.48 | -.5258 |
| Stddev | ---- | 1301. | 42.2 | 502. | .0357 | 2215. | .2874 | 3.567 | 3.387 | 1.09 | 4.403 |
| %RSD | ---- | .4383 | 39.26 | .1605 | 48.16 | .7392 | 31.56 | 93.03 | 76.45 | 10.37 | 837.4 |

| | | | | | | | | | | | |
|----|--------|---------|---------|---------|--------|---------|--------|--------|-------|--------|--------|
| #1 | ^ ---- | 296600. | -138.9 | 313200. | -.0494 | 300400. | -.5886 | -6.413 | 1.828 | -9.305 | .0251 |
| #2 | ^ ---- | 298300. | -124.2 | 312200. | -.1150 | 297200. | -1.003 | -5.327 | 8.259 | -11.45 | -5.179 |
| #3 | ^ ---- | 295700. | -.59.54 | 312800. | -.0580 | 301500. | -1.141 | .2367 | 3.203 | -10.67 | 3.576 |

| | | | | | | | | | | | |
|------------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | None | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | | | |
| Low Limit | | | | | | | | | | | |

| | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem | V_2924 | Zn2062 | Mo2020 | Ti3372 | B_2089 | Si2881A | Si2881R | Sr3464 | Sn1899 |
| Units | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| Avg | -.8816 | -8.008 | -2.554 | 1.162 | -9.449 | -41.90 | -9.073 | 1.249 | .7139 |
| Stddev | .5918 | .189 | .431 | .192 | 1.061 | 2.54 | 3.412 | .890 | 1.323 |
| %RSD | 67.12 | 2.364 | 16.89 | 16.49 | 11.23 | 6.049 | 37.60 | 71.27 | 185.3 |

| | | | | | | | | | |
|----|--------|--------|--------|-------|--------|--------|--------|-------|--------|
| #1 | -1.057 | -7.846 | -3.012 | 1.078 | -8.432 | -39.00 | -12.85 | .2232 | -.7206 |
| #2 | -1.366 | -7.962 | -2.492 | 1.382 | -10.55 | -43.02 | -8.159 | 1.818 | .9758 |
| #3 | -.2220 | -8.216 | -2.156 | 1.027 | -9.366 | -43.69 | -6.211 | 1.707 | 1.886 |

| | | | | | | | | | |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Check ? | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass | Chk Pass |
| High Limit | | | | | | | | | |
| Low Limit | | | | | | | | | |

| | | | |
|-----------|----------|----------|----------|
| Int. Std. | Y_2243-A | Y_3203-A | Y_3600-R |
| Units | Cts/S | Cts/S | Cts/S |
| Avg | 20900. | 36156. | 16627. |
| Stddev | 94. | 434. | 72. |
| %RSD | .45188 | 1.2014 | .43239 |

| | | | |
|----|--------|--------|--------|
| #1 | 21006. | 36591. | 16692. |
| #2 | 20869. | 35722. | 16550. |
| #3 | 20825. | 36155. | 16640. |

Preparation Date: 09/24/11 Preparer(s) R. RectoProject Name(s) Jewett White LeadProject #(s) 11070033(Circle) MATRIX: ① Aqueous 2. Solid 3. Sludge 4. Oil 5. Other(Circle) PREPARATION: ① EPA-SOP-C-116 2. Other - (see comments for description)Weighing Balance # 25BDigiBloc: ☒ ID# 4135020277 set at 85 °C ☐ ID# 4135020281 set at N/A °CTemperature Readings: (For Aqueous) Start: 85 °C Final 85 °C(For Solids) Start: N/A °C Final N/A °CReference Logbook for % Solids: Bk # N/A Pg # N/A**SPIKING SOLUTIONS** used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

| SOLUTIONS | SOL'N ID / EXP. DATE | ELEMENT(S) | INITIAL CONC. |
|--------------|--|--|---------------|
| SPIKE MIX #1 | <u>D140822</u> EXP. <u>02/08/12</u> | Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Ti, V, Zn, Mo, Tl, B, Sr, Sn | 100 PPM |
| SPIKE MIX #2 | <u>D140823</u> EXP. <u>02/08/12</u> | Al, Ca, Fe, K, Mg, Na, Si | 2500 PPM |

Matrix Spike (MS) and Aqueous-LCS(s) or (LCSWs) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1

+

100 uL of SPIKE MIX #2**SOLID-LCS(s) & ACIDS:**

| REAGENT | SOURCE/SUPPLIER | ID# |
|------------------------|-----------------|----------------|
| SOLID LCS(s) or LCSS | <u>N/A</u> | <u>N/A</u> |
| Conc. HNO ₃ | <u>GFS</u> | <u>D162218</u> |
| Conc. HCl | <u>GFS</u> | <u>D162215</u> |

| SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL gr. or mL | FINAL mL | FILTERED Y=YES N=NO | SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL gr. or mL | FINAL mL | FILTERED Y=YES N=NO |
|-----------|--------------------------------------|----------------------|-------------|---------------------------|-----------|--------------------------------------|----------------------|-------------|---------------------------|
| PBW | Y N N/A | 50 | 50 | Y N | AN03646 | Y N N/A | 50 | 50 | Y N |
| LCSW-1 | Y N N/A | | 50 | Y N | AN03648 | Y N N/A | | 50 | Y N |
| LCSW-2 | Y N N/A | | 50 | Y N | AN03650 | Y N N/A | | 50 | Y N |
| AN03637 | Y N N/A | | 50 | Y N | AN03652 | Y N N/A | | 50 | Y N |
| AN03637MS | Y N N/A | | 50 | Y N | AN03653 | Y N N/A | | 50 | Y N |
| AN03639 | Y N N/A | | 50 | Y N | AN03654 | Y N N/A | ↓ | 50 | Y N |
| AN03641 | Y N N/A | | 50 | Y N | AN03655 | Y N N/A | 50 | 50 | Y N |
| AN03643 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03645 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03647 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03649 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03651 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03656 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03638 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03638MS | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03640 | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03642 | Y N N/A | ↓ | 50 | Y N | | Y N N/A | | 50 | Y N |
| AN03644 | Y N N/A | 50 | 50 | Y N | | Y N N/A | | 50 | Y N |

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + Mo, Ti, B, Si, Sr, Sn

TCLP: Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

| |
|--|
| |
| |
| |

Preparer Signature: _____

W. H. H. H.

Date: 9/24/11

Preparation Date: 09/25/11 Preparer(s) R. RectoProject Name(s) Jewett White LeadProject #(s) 11070033

(Circle) MATRIX: 1. Aqueous (2) Solid 3. Sludge 4. Oil 5. Other

(Circle) PREPARATION: 1. EPA-SOP-C-116 2. Other - (see comments for description)

Weighing Balance # 25BDigiBloc: ☒ ID# 4135020277 set at 95 °C ☐ ID# 4135020281 set at N/A °CTemperature Readings: (For Aqueous) Start: N/A °C Final N/A °C(For Solids) Start: 95 °C Final 95 °C

Reference Logbook for % Solids: Bk # _____ Pg # _____

SPIKING SOLUTIONS used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

| SOLUTIONS | SOL'N ID / EXP. DATE | ELEMENT(S) | INITIAL CONC. |
|--------------|--|--|---------------|
| SPIKE MIX #1 | <u>D4H0822</u> EXP. <u>02/08/12</u> | Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Ti, V, Zn, Mo, Tl, B, Sr, Sn | 100 PPM |
| SPIKE MIX #2 | <u>D4H0823</u> EXP. <u>02/08/12</u> | Al, Ca, Fe, K, Mg, Na, Si | 2500 PPM |

Matrix Spike (MS) and Aqueous-LCS(s) or (LCSWs) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1

+

100 uL of SPIKE MIX #2**SOLID-LCS(s) & ACIDS:**

| REAGENT | SOURCE/SUPPLIER | ID# |
|------------------------|-----------------|----------------|
| SOLID LCS(s) or LCSS | <u>ERA</u> | <u>D4C2026</u> |
| Conc. HNO ₃ | <u>GFS</u> | <u>D4G2218</u> |
| Conc. HCl | <u>GFS</u> | <u>D4G2215</u> |

| SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL gr. or mL | FINAL mL | FILTERED Y=YES N=NO | SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL gr. or mL | FINAL mL | FILTERED Y=YES N=NO |
|-----------|--------------------------------------|----------------------|-------------|---------------------------|-----------|--------------------------------------|----------------------|-------------|---------------------------|
| PBS-1 | Y N N/A | 0.51 | 50 | Y N | ANO3671 | Y N N/A | 0.85 | 50 | Y N |
| LCSS-1 | Y N N/A | 0.53 | 50 | Y N | ANO3672 | Y N N/A | 0.86 | 50 | Y N |
| LCSS-2 | Y N N/A | 0.50 | 50 | Y N | ANO3673 | Y N N/A | 0.92 | 50 | Y N |
| ANO3677 | Y N N/A | 0.74 | 50 | Y N | ANO3674 | Y N N/A | 0.79 | 50 | Y N |
| ANO3677MS | Y N N/A | 0.74 | 50 | Y N | ANO3676 | Y N N/A | 0.83 | 50 | Y N |
| ANO3658 | Y N N/A | 0.72 | 50 | Y N | PBS-2 | Y N N/A | 0.51 | 50 | Y N |
| ANO3659 | Y N N/A | 0.68 | 50 | Y N | LCSS-3 | Y N N/A | 0.51 | 50 | Y N |
| ANO3660 | Y N N/A | 0.66 | 50 | Y N | LCSS-4 | Y N N/A | 0.53 | 50 | Y N |
| ANO3661 | Y N N/A | 0.74 | 50 | Y N | ANO3675 | Y N N/A | 1.03 | 50 | Y N |
| ANO3662 | Y N N/A | 0.81 | 50 | Y N | ANO3677MS | Y N N/A | 1.03 | 50 | Y N |
| ANO3663 | Y N N/A | 0.74 | 50 | Y N | ANO3677 | Y N N/A | 0.68 | 50 | Y N |
| ANO3664 | Y N N/A | 0.81 | 50 | Y N | ANO3678 | Y N N/A | 0.79 | 50 | Y N |
| ANO3665 | Y N N/A | 0.86 | 50 | Y N | ANO3679 | Y N N/A | 0.83 | 50 | Y N |
| ANO3666 | Y N N/A | 0.71 | 50 | Y N | ANO3680 | Y N N/A | 0.77 | 50 | Y N |
| ANO3667 | Y N N/A | 0.68 | 50 | Y N | ANO3681 | Y N N/A | 0.81 | 50 | Y N |
| ANO3668 | Y N N/A | 0.67 | 50 | Y N | ANO3682 | Y N N/A | 0.70 | 50 | Y N |
| ANO3669 | Y N N/A | 0.73 | 50 | Y N | ANO3683 | Y N N/A | 0.71 | 50 | Y N |
| ANO3670 | Y N N/A | 0.71 | 50 | Y N | ANO3684 | Y N N/A | 0.75 | 50 | Y N |

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Ti, V, Zn

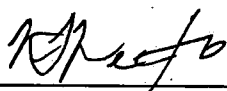
TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Ti, V, Zn + Mo, Ti, B, Si, Sr, Sn

TCLP: Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

| |
|--|
| |
| |
| |

Preparer Signature: _____



Date: 09/25/11

| SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL gr. or mL | FINAL mL | FILTERED Y=YES N=NO | SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL gr. or mL | FINAL mL | FILTERED Y=YES N=NO |
|-----------|--------------------------------------|----------------------|-------------|---------------------------|-----------|--------------------------------------|----------------------|-------------|---------------------------|
| AND3685 | Y N N/A | 0.87 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3686 | Y N N/A | 0.86 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3687 | Y N N/A | 0.73 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3688 | Y N N/A | 0.89 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3689 | Y N N/A | 0.73 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3690 | Y N N/A | 0.69 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3691 | Y N N/A | 0.77 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3692 | Y N N/A | 0.76 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3693 | Y N N/A | 0.69 | 50 | Y N | | Y N N/A | | 50 | Y N |
| AND3694 | Y N N/A | 0.78 | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |
| | Y N N/A | | 50 | Y N | | Y N N/A | | 50 | Y N |

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + Mo, Ti, B, Si, Sr, Sn

TCLP: Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

| |
|--|
| |
| |
| |

Preparer Signature: _____

20/25/11

Date: _____

9/25/11

| Project Name & (Project number) | Sample (Lab. Number) | pH < 2 Y = Yes N = No* | Comments: Date & Time of Handling ; "Lab. Preservation performed if pH > 2 * and pH < 2 confirmation after 16 - hr. lapsed time" ; etc. |
|------------------------------------|-------------------------|------------------------------|--|
| St. Croix (1109036) | 1109073-01 | (Y) N | |
| | -02 | (Y) N | |
| | | Y N | |
| Jewett White (11070033) | AW03637 | (Y) N | 09/24/11 @ 0805H |
| | 38 | (Y) N | |
| | 39 | (Y) N | |
| | 40 | (Y) N | |
| | 41 | (Y) N | |
| | 42 | (Y) N | |
| | 43 | (Y) N | |
| | 44 | (Y) N | |
| | 45 | (Y) N | |
| | 46 | (Y) N | |
| | 47 | (Y) N | |
| | 48 | (Y) N | |
| | 49 | (Y) N | |
| | 50 | (Y) N | |
| | 51 | (Y) N | |
| | 52 | (Y) N | |
| | 53 | (Y) N | |
| | 54 | (Y) N | |
| | 55 | (Y) N | |
| | 56 | (Y) N | |
| American Cyanamid (1109076) | 1109076-01 | (Y) N | 09/26/11 (12:28PM) |
| | 1109076-02 | (Y) N | |
| | 1109076-03 | (Y) N | |
| | 1109076-04 | (Y) N | |
| | 1109076-05 | (Y) N | |
| St. Croix (1109036) | 1109072-01 | (Y) N | 9/28/11 (9:35AM) |
| | 1109072-02 | (Y) N | |
| | 1109072-03 | (Y) N | |
| | 1109072-04 | (Y) N | |
| | 1109072-05 | (Y) N | |
| | 1109072-06 | (Y) N | |
| | 1109072-07 | (Y) N | |
| | 1109072-08 | (Y) N | |

Analyst: F. Xu

Analysis Date: 09/25/11 Data File Name: ESAT 092511Instrument: ☒ ICAP 6300 Duo (Axial & Radial mode) Other: _____Analytical Method: ☒ EPA-SOP- C- 109 Other: _____Instrumental Method: PT METSamples Prepared on Date(s): 09/24/11 Prepared By: R. RECTOESAT Logbook-Metals Prep. # 19 Page(s): 29-30 Other: _____

| Project Name | Project Number | Sample Numbers | Scan Type |
|-------------------|----------------|----------------|-----------|
| | | AN03637 | |
| Jewett White Lead | 1107033 | | |
| | | | TAL |
| | | AN03656 | |

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Ti, V, Zn

TCLP: Ag, As, Ba, Cd, Cr, Pb, Se ☐ plus Other: Mo, Ti, B, Si, Sr, Sn (e.g. PT samples)

CAL and QC Standards ID:

| Calibration Std 0 (BLANK STD) | Calibration Std 1 (MID STD) | Calibration Std 2 (HIGH STD) | Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium) |
|----------------------------------|--------------------------------|---------------------------------|--|
| D1H0818 | D1H0819 | D1H0820 | D1H0829 |

| ICV/CCV | RL (LCV1 & LCV3) | 2RL (LCV2 & LCV4) | IOS (IFA1 & IFA2) |
|---------|------------------|-------------------|-------------------|
| D1H0821 | D1H0825 | D1H0826 | D1H0827 |

Comments about analysis:

Analyst Signature: R. Recto

Analysis Date: 09/26/11 Data File Name: ESAT02 ESAT092611BInstrument: ☒ ICAP 6300 Duo (Axial & Radial mode) Other: _____Analytical Method: ☒ EPA-SOP- C- 109 Other: _____Instrumental Method: PT. METSamples Prepared on Date(s): 09/25/11 Prepared By: R. RECTOESAT Logbook-Metals Prep. # 19 Page(s): 31-32A, 32B Other: _____

| Project Name | Project Number | Sample Numbers | Scan Type |
|-------------------|----------------|----------------|-----------|
| | | AN03657 | |
| Jewett White head | 11070033 | | TAL |
| | | AN03694 | |

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP: Ag, As, Ba, Cd, Cr, Pb, Se ☐ plus Other: Mo, Ti, B, Si, Sr, Sn (e.g. PT samples)

CAL and QC Standards ID:

| Calibration Std 0 (BLANK STD) | Calibration Std 1 (MID STD) | Calibration Std 2 (HIGH STD) | Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium) |
|----------------------------------|--------------------------------|---------------------------------|--|
| D1H0818 | D1H0819 | D1H0820 | D1H0829 |

| ICV/CCV | RL (LCV1 & LCV3) | 2RL (LCV2 & LCV4) | IOS (IFA1 & IFA2) |
|---------|------------------|-------------------|-------------------|
| D1H0821 | D1H0825 | D1H0826 | D1H0827 |

Comments about analysis:

Analyst Signature: 

Analysis Date: 09/28/11 Data File Name: ESAT092811AInstrument: ☒ ICAP 6300 Duo (Axial & Radial mode) Other: _____Analytical Method: ☒ EPA-SOP- C- 109 Other: _____Instrumental Method: PT-METSamples Prepared on Date(s): 09/24/11 & 09/25/11 Prepared By: R. RECTO

ESAT Logbook-Metals Prep. # _____ Page(s): _____ Other: _____

| Project Name | Project Number | Sample Numbers | Scan Type |
|-------------------|----------------|----------------|-----------|
| | | AND3637 | |
| | | ↓ | |
| Jewett White Lead | 11070033 | AND3656 | Na |
| | | AND3675 | Fe, Zn |
| | | AND3676 | Fe, Zn |
| | | AND3678 | Pb, Cu |

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Ti, V, Zn

TCLP: Ag, As, Ba, Cd, Cr, Pb, Se ☐ plus Other: Mo, Ti, B, Si, Sr, Sn (e.g. PT samples)

CAL and QC Standards ID:

| Calibration Std 0 (BLANK STD) | Calibration Std 1 (MID STD) | Calibration Std 2 (HIGH STD) | Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium) |
|----------------------------------|--------------------------------|---------------------------------|--|
| D1H0818 | D1H0819 | D1H0820 | D1H0829 |

| ICV/CCV | RL (LCV1 & LCV3) | 2RL (LCV2 & LCV4) | IOS (IFA1 & IFA2) |
|---------|------------------|-------------------|-------------------|
| D1H0821 | D1H0825 | D1H0826 | D1H0827 |

Comments about analysis:

Analyst Signature: R. RECTO

Preparation Date(s): 9/27/2011 / Preparer(s) F. XuProject Name(s) Jewett WhiteProject #(s) 110700 33

(Circle) MATRIX: 1. Aqueous (2) Solid 3. Sludge 4. Oil 5. Other _____

Method Preparation: EPA-SOP- C-110 Weighing Balance #: 25B

%Solids Logbook: Book#: _____ Pg#: _____

HG REAGENTS :

| Reagents | Reference ID | Expiration Date |
|---|-----------------------------------|-----------------|
| Conc. HNO ₃ | <u>D1G2218</u> | 09/21/2015 |
| Conc. H ₂ SO ₄ | <u>D1H0219</u> | 08/02/2016 |
| 5 % w/v KMnO ₄ | <u>D1H0216</u> | 08/02/2012 |
| 5% w/v K ₂ S ₂ O ₈ | <u>D1H0217</u> | 08/02/2012 |
| 12 % w/v Hydroxylamine HCl | D1H0216 <u>D1H0218</u> | 08/02/2012 |
| For Solid samples only: Solid LCS (ERA Lot#D069-540) | D1C2827 | 01/31/2014 |

Calibration/QC standards: Reference ID

| | |
|--------------------------|--|
| 0 ppb = <u>D1I2809</u> | 5.0 ppb = <u>D1I2815</u> |
| 0.2 ppb = <u>D1I2810</u> | 5.0 ppb (optimization solution) <u>D1I2817</u> |
| 0.5 ppb = <u>D1I2811</u> | Low Check (0.20ppb) = <u>D1I2816</u> |
| 0.7 ppb = <u>D1I2812</u> | ICV (1.0 ppb) = <u>D1I2818</u> |
| 1.0 ppb = <u>D1I2813</u> | ICB/CCB (0 ppb) = <u>D1I2820</u> |
| 3.0 ppb = <u>D1I2814</u> | CCV(1.0 ppb) = <u>D1I2819</u> |

[CAL Std: (0.20 – 5.0 ppb), CCV, LCSWs, MS Source] = D1H3107ICV source = D1H3108

FX 9/27/11

| SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL Wt. or Vol g or mL | FINAL Volume mL | SAMPLE DILUTION FACTOR | SAMPLE ID | pH < 2 (Aq only) Y=YES N=NO | INITIAL Wt. or Vol g or mL | FINAL Volume mL | SAMPLE DILUTION FACTOR |
|----------------------|--------------------------------------|----------------------------------|-----------------------|------------------------------|----------------|--------------------------------------|----------------------------------|-----------------------|------------------------------|
| CAL Blank | Y N N/A | 25.0 | 25.0 | 1 | <i>The end</i> | Y N N/A | | 25.0 | 1 |
| 0.20 ppb | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| 0.50 ppb | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| 0.70 ppb | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| 1.0 ppb | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| 3.0 ppb | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| 5.0 ppb | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| ICV | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| CCV | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| ICB/CCB | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| Low Check (0.20 ppb) | Y N N/A | 25.0 | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| PB S-1 | Y N N/A | <i>0.10</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| LCS S-1 | Y N N/A | <i>0.10</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| LCS S-1 | Y N N/A | <i>0.10</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| <i>AN3693</i> | Y N N/A | <i>0.39</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| <i>AN3693ms</i> | Y N N/A | <i>0.46</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| <i>AN3657</i> | Y N N/A | <i>0.30</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| <i>AN3666</i> | Y N N/A | <i>0.41</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| <i>AN3675</i> | Y N N/A | <i>0.50</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |
| <i>AN3684</i> | Y N N/A | <i>0.27</i> | 25.0 | 1 | | Y N N/A | | 25.0 | 1 |

Digestion Start Time: 9:30 Temperature: 95°C Digestion End Time: 10:30 Temperature: 95°C

DigiBloc:

☒ ID# 4135020277☐ ID# 4135020281

Preparation Comments:

| |
|--|
| |
| |
| |

Preparer Signature: Date: 9/27/11

Analysis Date: 9/27/11 Data File Name: 11092700.DB

Instrument: ☒ Cetac M-6000A (serial # 019709MAS) ☐ Other (Inst. or SN#): _____

Analytical Method: EPA-SOP-C-110 (rev#2.2) Instrumental Method: EPA ESAT

Project Name(s) Tenapa white

Project # (s) 11070033

Prep Logbook: ESAT HG Prep- 12 Page #(s): 45-46

Date(s) of Sample Prep: 9/27/11 Sample Preparer(s): F. Xu

Matrix Type: 1. Aqueous ☒ Soil 3. Other: _____

10 % Stannous Chloride = 0.12821

Analytical Sequence:

| | | |
|-------------------------|------------------------|-----|
| 1) Standard 0.0 ppb | 22) <u>CCV</u> | 64) |
| 2) Standard 0.2 ppb | 23) <u>PN 3657</u> | 65) |
| 3) Standard 0.5 ppb | 24) <u>PN 3666</u> | 66) |
| 4) Standard 0.7 ppb | 25) <u>PN 03675X10</u> | 67) |
| 5) Standard 1.0 ppb | 26) <u>PN 3684X10</u> | 68) |
| 6) Standard 3.0 ppb | 27) <u>PN 03693X10</u> | 69) |
| 7) Standard 5.0 ppb | 28) <u>CCV</u> | 70) |
| 8) ICV | 29) <u>CCB</u> | 71) |
| 9) ICB | 30) <u>low check</u> | 72) |
| 10) Low Check | 31) | 73) |
| 11) PB S-B12 P46 | 32) | 74) |
| 12) LCSS-1 X20 B12 P46 | 33) | 75) |
| 13) LCS S-2 X20 B12 P46 | 34) | 76) |
| 14) <u>PN 3693</u> | 35) | 77) |
| 15) <u>PN 3693ms</u> | 36) | 78) |
| 16) <u>PN 3657</u> | 37) | 79) |
| 17) <u>PN 3666</u> | 38) | 80) |
| 18) <u>PN 3675</u> | 39) | 81) |
| 19) <u>CCV</u> | 40) | 82) |
| 20) <u>CCB</u> | 41) | 83) |
| 21) <u>PN 3684</u> | 42) | 84) |

Analyst Signature: [Signature]



United States Environmental Protection Agency
Region 2 Laboratory
2890 Woodbridge Avenue
Edison, N.J. 08837

Approval Form / Project Checklist

Project Number: 11070033

Report Date: October 14, 2011

Project/Survey Name: JEWETT WHITE LEAD

Addressee: CHERYL HAWKINS
US EPA
DESA/LB

Comments

10/17/11 - Metals raw data missing *[Signature]*
10/17/11 - metals data in B/L *[Signature]*

Approvals

| | NAME: | Signature/Date |
|--------------------------------|------------------|-------------------------------|
| OSCAR Report Coord. | Michelle L. Peña | <i>[Signature]</i> 10/14/2011 |
| Special Projects Coord. | John Birri | <i>[Signature]</i> 10/17/11 |
| Laboratory QAO | Sunny Cherukara | <i>[Signature]</i> 10/12/11 |
| Acting Laboratory Branch Chief | John Bourbon | <i>[Signature]</i> 10/12/11 |



United States Environmental Protection Agency
Region 2 Laboratory
2890 Woodbridge Avenue
Edison, N.J. 08837

Approval Form / Project Checklist

Project Number: 11070033

Project/Survey Name: JEWETT WHITE LEAD

Project File Information

| File Core Data | | | | | |
|------------------------|-----------------------------------|-----|----|--------------------|--|
| 1 | Project Report – 2 Copies | ✓ | 13 | Sanitary Chemistry | |
| 2 | Project Narrative – 2 Copies | ✓ | | | |
| 3 | Analytical Request Form (ARF) | ✓ | | | |
| 4 | External Chain of Custody Forms | ✓ | | | |
| 5 | Shipping Forms/Air Bills | N/A | | | |
| 6 | Sample Acceptance Checklist(s) | ✓ | | | |
| 7 | Internal Chain of Custody Form(s) | ✓ | | | |
| 8 | OSCAR Sample Receipt(s) | ✓ | | | |
| 9 | OSCAR Sample Tracking Log | ✓ | | | |
| 10 | Project Correspondence | ✓ | 14 | Microbiology | |
| Area Specific Raw Data | | | | | |
| 11 | Organics | | | | |
| | VOAs | | | | |
| | NVOAs | | | | |
| | PCBs | | | | |
| | Pesticides | | 15 | Biology | |
| | Haloacetic Acids | | | | |
| | | | | | |
| 12 | Metals | | | | |
| | ICP-AES | | | | |
| | ICP-MS | | | | |
| | CVAAS | | | | |
| | | | | | |

Case Narrative: Jewett White Lead #11070033

The National Environmental Laboratory Accreditation Conference (NELAC) is a voluntary environmental laboratory accreditation association of State and Federal agencies. NELAC established and promoted a national accreditation program that provides a uniform set of standards for the generation of environmental data that are of known and defensible quality. The EPA Region 2 Laboratory is NELAC accredited. The Laboratory tests that are accredited have met all the requirements established under the NELAC Standards.

Comment(s):

None

Data Qualifier(s):

- U- The analyte was not detected at or above the Reporting Limit.
- J- The identification of the analyte is acceptable; the reported value is an estimate.
- K- The identification of the analyte is acceptable; the reported value may be biased high.
- L- The identification of the analyte is acceptable; the reported value may be biased low.
- NJ- There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.

Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs), where applicable, for each analyte requested.

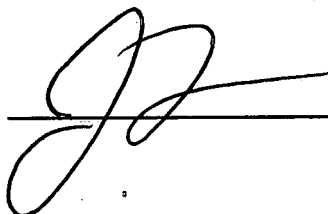
Method(s):

All methods that are NELAC accredited in the Laboratory are noted with "NELAC" at the end of the method reference.

- TAL Metals Analysis, EPA SOP C-109 (ICP/AES Method)

Approval: _____

Date: _____



10/17/11



U.S. Environmental Protection Agency
Region 2 Laboratory
2890 Woodbridge Avenue
Edison, NJ 08837

Data Report: JEWETT WHITE LEAD

Project Number: 11070033

Program: Y206E

Project Leader: CHERYL HAWKINS

| Remark Codes | Explanation |
|-----------------|--|
| U | THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. |
| J | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE. |
| UJ | THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE. |
| N | THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. |
| NJ | THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE. |
| R | THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE. |
| K | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE. |
| L | THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE. |
| NV | NOT VALIDATED |
| INC | RESULT NOT ENTERED |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03414

Field/Station ID: 138-071811-0005

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.46U | mg/Kg |
| 7429-90-5 | ALUMINUM | 6,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 5.6 | | mg/Kg |
| 7440-39-3 | BARIUM | 64 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.35 | | mg/Kg |
| 7440-70-2 | CALCIUM | 2,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 21 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 35 | | mg/Kg |
| 7440-50-8 | COPPER | 37 | | mg/Kg |
| 7439-89-6 | IRON | 19,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 870 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 12,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 450 | | mg/Kg |
| 7440-23-5 | SODIUM | 410 | | mg/Kg |
| 7440-02-0 | NICKEL | 260 | | mg/Kg |
| 7439-92-1 | LEAD | 130 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.9U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 22 | | mg/Kg |
| 7440-66-6 | ZINC | 110 | J | mg/Kg |

AN03415

Field/Station ID: 138-071811-0010

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.46U | mg/Kg |
| 7429-90-5 | ALUMINUM | 5,800 | | mg/Kg |
| 7440-38-2 | ARSENIC | 7.5 | | mg/Kg |
| 7440-39-3 | BARIUM | 67 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.34 | | mg/Kg |
| 7440-70-2 | CALCIUM | 1,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.30 | | mg/Kg |
| 7440-48-4 | COBALT | 34 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 62 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03415

Field/Station ID: 138-071811-0010

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-50-8 | COPPER | 50 | | mg/Kg |
| 7439-89-6 | IRON | 25,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 880 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 20,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 200 | | mg/Kg |
| 7440-23-5 | SODIUM | 860 | | mg/Kg |
| 7440-02-0 | NICKEL | 490 | | mg/Kg |
| 7439-92-1 | LEAD | 170 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.9U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 24 | | mg/Kg |
| 7440-66-6 | ZINC | 150 | | mg/Kg |

AN03416

Field/Station ID: 138-071811-0011

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.41U | mg/Kg |
| 7429-90-5 | ALUMINUM | 6,500 | | mg/Kg |
| 7440-38-2 | ARSENIC | 34 | | mg/Kg |
| 7440-39-3 | BARIUM | 110 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.86 | | mg/Kg |
| 7440-70-2 | CALCIUM | 12,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.62 | | mg/Kg |
| 7440-48-4 | COBALT | 22 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 66 | | mg/Kg |
| 7440-50-8 | COPPER | 310 | | mg/Kg |
| 7439-89-6 | IRON | 51,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,500 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 12,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 430 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03416

Field/Station ID: 138-071811-0011

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-23-5 | SODIUM | 1,100 | | mg/Kg |
| 7440-02-0 | NICKEL | 150 | | mg/Kg |
| 7439-92-1 | LEAD | 280 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 4.8 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.6U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 25 | | mg/Kg |
| 7440-66-6 | ZINC | 910 | | mg/Kg |

AN03417

Field/Station ID: 138-071811-0016

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.44U | mg/Kg |
| 7429-90-5 | ALUMINUM | 7,200 | | mg/Kg |
| 7440-38-2 | ARSENIC | 10 | | mg/Kg |
| 7440-39-3 | BARIUM | 100 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.61 | | mg/Kg |
| 7440-70-2 | CALCIUM | 8,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.30 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 33 | | mg/Kg |
| 7440-50-8 | COPPER | 130 | | mg/Kg |
| 7439-89-6 | IRON | 19,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 960 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 290 | | mg/Kg |
| 7440-23-5 | SODIUM | 240 | | mg/Kg |
| 7440-02-0 | NICKEL | 100 | | mg/Kg |
| 7439-92-1 | LEAD | 190 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.8U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |



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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03417

Field/Station ID: 138-071811-0016

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-28-0 | THALLIUM | — | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 28 | | mg/Kg |
| 7440-66-6 | ZINC | 450 | | mg/Kg |

AN03418

Field/Station ID: 138-071811-0021

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 0.50 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 3,200 | | mg/Kg |
| 7440-38-2 | ARSENIC | 14 | | mg/Kg |
| 7440-39-3 | BARIUM | 110 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 1.2 | | mg/Kg |
| 7440-70-2 | CALCIUM | 46,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.2 | | mg/Kg |
| 7440-48-4 | COBALT | 23 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 48 | | mg/Kg |
| 7440-50-8 | COPPER | 860 | | mg/Kg |
| 7439-89-6 | IRON | 54,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 410 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 28,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 370 | | mg/Kg |
| 7440-23-5 | SODIUM | 590 | | mg/Kg |
| 7440-02-0 | NICKEL | 150 | | mg/Kg |
| 7439-92-1 | LEAD | 2,400 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 360 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 26 | | mg/Kg |
| 7440-66-6 | ZINC | 610 | | mg/Kg |



U.S. EPA Region 2 Laboratory
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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03419

Field/Station ID: 138-071811-0026

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 0.50 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 4,700 | | mg/Kg |
| 7440-38-2 | ARSENIC | 56 | | mg/Kg |
| 7440-39-3 | BARIUM | 240 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.27U | mg/Kg |
| 7440-70-2 | CALCIUM | 13,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 2.0 | | mg/Kg |
| 7440-48-4 | COBALT | 51 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 31 | | mg/Kg |
| 7440-50-8 | COPPER | 2,900 | | mg/Kg |
| 7439-89-6 | IRON | 95,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 900 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 3,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 810 | | mg/Kg |
| 7440-23-5 | SODIUM | 3,600 | | mg/Kg |
| 7440-02-0 | NICKEL | 73 | | mg/Kg |
| 7439-92-1 | LEAD | 4,600 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 17 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 27 | | mg/Kg |
| 7440-66-6 | ZINC | 800 | | mg/Kg |

AN03420

Field/Station ID: 138-071811-0031

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.44U | mg/Kg |
| 7429-90-5 | ALUMINUM | 4,700 | | mg/Kg |
| 7440-38-2 | ARSENIC | 6.3 | | mg/Kg |
| 7440-39-3 | BARIUM | 71 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.32 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,400 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.33 | | mg/Kg |



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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03420

Field/Station ID: 138-071811-0031

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-48-4 | COBALT | 4.6 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 14 | | mg/Kg |
| 7440-50-8 | COPPER | 48 | | mg/Kg |
| 7439-89-6 | IRON | 12,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,300 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 4,700 | | mg/Kg |
| 7439-96-5 | MANGANESE | 200 | | mg/Kg |
| 7440-23-5 | SODIUM | 280 | | mg/Kg |
| 7440-02-0 | NICKEL | 15 | | mg/Kg |
| 7439-92-1 | LEAD | 400 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.8U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 26 | | mg/Kg |
| 7440-66-6 | ZINC | 130 | | mg/Kg |

AN03421

Field/Station ID: 138-071811-0036

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.45U | mg/Kg |
| 7429-90-5 | ALUMINUM | 7,900 | | mg/Kg |
| 7440-38-2 | ARSENIC | 7.6 | | mg/Kg |
| 7440-39-3 | BARIUM | 210 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 4.6 | | mg/Kg |
| 7440-70-2 | CALCIUM | 80,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.0 | | mg/Kg |
| 7440-48-4 | COBALT | 34 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 100 | | mg/Kg |
| 7440-50-8 | COPPER | 880 | | mg/Kg |
| 7439-89-6 | IRON | 63,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,700 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03421

Field/Station ID: 138-071811-0036

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-95-4 | MAGNESIUM | 43,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 560 | | mg/Kg |
| 7440-23-5 | SODIUM | 3,000 | | mg/Kg |
| 7440-02-0 | NICKEL | 300 | | mg/Kg |
| 7439-92-1 | LEAD | 920 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 5.8 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 26 | | mg/Kg |
| 7440-66-6 | ZINC | 1,700 | | mg/Kg |

AN03422

Field/Station ID: 138-071811-0041

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 0.70 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 1,700 | | mg/Kg |
| 7440-38-2 | ARSENIC | 5.3 | | mg/Kg |
| 7440-39-3 | BARIUM | 150 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.27U | mg/Kg |
| 7440-70-2 | CALCIUM | 16,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.3 | | mg/Kg |
| 7440-48-4 | COBALT | 9.2 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 9.0 | | mg/Kg |
| 7440-50-8 | COPPER | 240 | | mg/Kg |
| 7439-89-6 | IRON | 25,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 250 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 1,800 | | mg/Kg |
| 7439-96-5 | MANGANESE | 770 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,200 | | mg/Kg |
| 7440-02-0 | NICKEL | 14 | | mg/Kg |
| 7439-92-1 | LEAD | 28,000 | | mg/Kg |



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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03422

Field/Station ID: 138-071811-0041

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-36-0 | ANTIMONY | 3.8 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 10 | | mg/Kg |
| 7440-66-6 | ZINC | 270 | | mg/Kg |

AN03423

Field/Station ID: 138-071811-0046

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 0.50 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 2,500 | | mg/Kg |
| 7440-38-2 | ARSENIC | 24 | | mg/Kg |
| 7440-39-3 | BARIUM | 300 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.27U | mg/Kg |
| 7440-70-2 | CALCIUM | 2,400 | | mg/Kg |
| 7440-43-9 | CADMIUM | 2.1 | | mg/Kg |
| 7440-48-4 | COBALT | 12 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 27 | | mg/Kg |
| 7440-50-8 | COPPER | 1,900 | | mg/Kg |
| 7439-89-6 | IRON | 89,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 160 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 590 | | mg/Kg |
| 7439-96-5 | MANGANESE | 400 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,600 | | mg/Kg |
| 7440-02-0 | NICKEL | 32 | | mg/Kg |
| 7439-92-1 | LEAD | 7,500 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 390 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 23 | | mg/Kg |
| 7440-66-6 | ZINC | 780 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03424

Field/Station ID: 138-071811-0051

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.45U | mg/Kg |
| 7429-90-5 | ALUMINUM | 1,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 1.8 | | mg/Kg |
| 7440-39-3 | BARIUM | 180 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.27U | mg/Kg |
| 7440-70-2 | CALCIUM | 24,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 2.0 | | mg/Kg |
| 7440-48-4 | COBALT | --- | 1.8U | mg/Kg |
| 7440-47-3 | CHROMIUM | 2.7 | | mg/Kg |
| 7440-50-8 | COPPER | 72 | | mg/Kg |
| 7439-89-6 | IRON | 36,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 230 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 630 | | mg/Kg |
| 7439-96-5 | MANGANESE | 530 | | mg/Kg |
| 7440-23-5 | SODIUM | 5,900 | | mg/Kg |
| 7440-02-0 | NICKEL | 4.1 | | mg/Kg |
| 7439-92-1 | LEAD | 36,000 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 3.2 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 5.2 | | mg/Kg |
| 7440-66-6 | ZINC | 210 | | mg/Kg |

AN03425

Field/Station ID: 138-071811-0056

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.41U | mg/Kg |
| 7429-90-5 | ALUMINUM | 7,400 | | mg/Kg |
| 7440-38-2 | ARSENIC | 17 | | mg/Kg |
| 7440-39-3 | BARIUM | 140 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.37 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03425

Field/Station ID: 138-071811-0056

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-70-2 | CALCIUM | 19,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.80 | | mg/Kg |
| 7440-48-4 | COBALT | 14 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 38 | | mg/Kg |
| 7440-50-8 | COPPER | 380 | | mg/Kg |
| 7439-89-6 | IRON | 80,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 680 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 430 | | mg/Kg |
| 7440-23-5 | SODIUM | 2,100 | | mg/Kg |
| 7440-02-0 | NICKEL | 32 | | mg/Kg |
| 7439-92-1 | LEAD | 6,200 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 27 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.6U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 22 | | mg/Kg |
| 7440-66-6 | ZINC | 310 | | mg/Kg |

AN03426

Field/Station ID: 138-071811-0061

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.45U | mg/Kg |
| 7429-90-5 | ALUMINUM | 5,400 | | mg/Kg |
| 7440-38-2 | ARSENIC | 27 | | mg/Kg |
| 7440-39-3 | BARIUM | 220 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 1.8 | | mg/Kg |
| 7440-70-2 | CALCIUM | 12,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 2.9 | | mg/Kg |
| 7440-48-4 | COBALT | 48 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 120 | | mg/Kg |
| 7440-50-8 | COPPER | 980 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03426

Field/Station ID: 138-071811-0061

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-89-6 | IRON | 130,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 550 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 5,500 | | mg/Kg |
| 7439-96-5 | MANGANESE | 600 | | mg/Kg |
| 7440-23-5 | SODIUM | 760 | | mg/Kg |
| 7440-02-0 | NICKEL | 170 | | mg/Kg |
| 7439-92-1 | LEAD | 4,600 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 24 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 47 | | mg/Kg |
| 7440-66-6 | ZINC | 1,900 | | mg/Kg |

AN03427

Field/Station ID: 138-071811-0066

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 0.45U | mg/Kg |
| 7429-90-5 | ALUMINUM | 4,800 | | mg/Kg |
| 7440-38-2 | ARSENIC | 5.6 | | mg/Kg |
| 7440-39-3 | BARIUM | 140 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.27U | mg/Kg |
| 7440-70-2 | CALCIUM | 22,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.27U | mg/Kg |
| 7440-48-4 | COBALT | 4.6 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 15 | | mg/Kg |
| 7440-50-8 | COPPER | 67 | | mg/Kg |
| 7439-89-6 | IRON | 13,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 830 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,700 | | mg/Kg |
| 7439-96-5 | MANGANESE | 380 | | mg/Kg |
| 7440-23-5 | SODIUM | 210 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03427

Field/Station ID: 138-071811-0066

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-02-0 | NICKEL | 19 | | mg/Kg |
| 7439-92-1 | LEAD | 430 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.8U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 20 | | mg/Kg |
| 7440-66-6 | ZINC | 120 | | mg/Kg |

AN03428

Field/Station ID: 138-071811-0071

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.42U | mg/Kg |
| 7429-90-5 | ALUMINUM | 2,700 | | mg/Kg |
| 7440-38-2 | ARSENIC | 33 | | mg/Kg |
| 7440-39-3 | BARIUM | 240 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.25U | mg/Kg |
| 7440-70-2 | CALCIUM | 2,900 | | mg/Kg |
| 7440-43-9 | CADMIUM | 2.0 | | mg/Kg |
| 7440-48-4 | COBALT | 14 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 32 | | mg/Kg |
| 7440-50-8 | COPPER | 1,900 | | mg/Kg |
| 7439-89-6 | IRON | 150,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 240 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 850 | | mg/Kg |
| 7439-96-5 | MANGANESE | 400 | | mg/Kg |
| 7440-23-5 | SODIUM | 630 | | mg/Kg |
| 7440-02-0 | NICKEL | 45 | | mg/Kg |
| 7439-92-1 | LEAD | 3,200 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 21 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.7U L | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.7U L | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03428

Field/Station ID: 138-071811-0071

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-62-2 | VANADIUM | 35 | | mg/Kg |
| 7440-66-6 | ZINC | 950 | J | mg/Kg |

AN03429

Field/Station ID: 138-071811-0076

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.41U | mg/Kg |
| 7429-90-5 | ALUMINUM | 6,600 | | mg/Kg |
| 7440-38-2 | ARSENIC | 5.6 | | mg/Kg |
| 7440-39-3 | BARIUM | 71 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.25U | mg/Kg |
| 7440-70-2 | CALCIUM | 51,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.25 | | mg/Kg |
| 7440-48-4 | COBALT | 5.6 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 26 | | mg/Kg |
| 7440-50-8 | COPPER | 69 | | mg/Kg |
| 7439-89-6 | IRON | 19,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,600 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,400 | | mg/Kg |
| 7439-96-5 | MANGANESE | 230 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,100 | | mg/Kg |
| 7440-02-0 | NICKEL | 24 | | mg/Kg |
| 7439-92-1 | LEAD | 1,100 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.6U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.6U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 20 | | mg/Kg |
| 7440-66-6 | ZINC | 140 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03430

Field/Station ID: 138-071811-0080

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.47U | mg/Kg |
| 7429-90-5 | ALUMINUM | 9,500 | | mg/Kg |
| 7440-38-2 | ARSENIC | 19 | | mg/Kg |
| 7440-39-3 | BARIIUM | 220 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.49 | | mg/Kg |
| 7440-70-2 | CALCIUM | 30,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.6 | | mg/Kg |
| 7440-48-4 | COBALT | 9.5 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 120 | | mg/Kg |
| 7440-50-8 | COPPER | 1,600 | | mg/Kg |
| 7439-89-6 | IRON | 49,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,300 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 11,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 350 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,100 | | mg/Kg |
| 7440-02-0 | NICKEL | 79 | | mg/Kg |
| 7439-92-1 | LEAD | 4,500 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 20 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 27 | | mg/Kg |
| 7440-66-6 | ZINC | 590 | | mg/Kg |

AN03431

Field/Station ID: 138-071811-0086

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 1.2 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 3,700 | | mg/Kg |
| 7440-38-2 | ARSENIC | 15 | | mg/Kg |
| 7440-39-3 | BARIIUM | 94 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.26U | mg/Kg |
| 7440-70-2 | CALCIUM | 7,300 | | mg/Kg |
| 7440-43-9 | CADMIUM | 6.5 | | mg/Kg |
| 7440-48-4 | COBALT | 16 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03431

Field/Station ID: 138-071811-0086

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-47-3 | CHROMIUM | 36 | | mg/Kg |
| 7440-50-8 | COPPER | 6,700 | | mg/Kg |
| 7439-89-6 | IRON | 120,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 360 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,300 | | mg/Kg |
| 7439-96-5 | MANGANESE | 780 | | mg/Kg |
| 7440-23-5 | SODIUM | 510 | | mg/Kg |
| 7440-02-0 | NICKEL | 65 | | mg/Kg |
| 7439-92-1 | LEAD | 2,200 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 15 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 26 | | mg/Kg |
| 7440-66-6 | ZINC | 4,600 | | mg/Kg |

AN03432

Field/Station ID: 138-071811-0090

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 0.47U | mg/Kg |
| 7429-90-5 | ALUMINUM | 7,400 | | mg/Kg |
| 7440-38-2 | ARSENIC | 6.0 | | mg/Kg |
| 7440-39-3 | BARIUM | 100 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.28U | mg/Kg |
| 7440-70-2 | CALCIUM | 37,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 8.4 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 33 | | mg/Kg |
| 7440-50-8 | COPPER | 480 | | mg/Kg |
| 7439-89-6 | IRON | 30,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,700 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 17,000 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03432

Field/Station ID: 138-071811-0090

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-96-5 | MANGANESE | 310 | | mg/Kg |
| 7440-23-5 | SODIUM | 600 | | mg/Kg |
| 7440-02-0 | NICKEL | 31 | | mg/Kg |
| 7439-92-1 | LEAD | 310 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 2.5 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 29 | | mg/Kg |
| 7440-66-6 | ZINC | 380 | | mg/Kg |

AN03433

Field/Station ID: 138-071811-0096

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.45U | mg/Kg |
| 7429-90-5 | ALUMINUM | 3,600 | | mg/Kg |
| 7440-38-2 | ARSENIC | 13 | | mg/Kg |
| 7440-39-3 | BARIUM | 210 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.27U | mg/Kg |
| 7440-70-2 | CALCIUM | 9,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.8 | | mg/Kg |
| 7440-48-4 | COBALT | 4.7 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 12 | | mg/Kg |
| 7440-50-8 | COPPER | 470 | | mg/Kg |
| 7439-89-6 | IRON | 25,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 620 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 3,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 160 | | mg/Kg |
| 7440-23-5 | SODIUM | 480 | | mg/Kg |
| 7440-02-0 | NICKEL | 16 | | mg/Kg |
| 7439-92-1 | LEAD | 990 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 6.3 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03433

Field/Station ID: 138-071811-0096

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7782-49-2 | SELENIUM | 2.5 | | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 18 | | mg/Kg |
| 7440-66-6 | ZINC | 470 | | mg/Kg |

AN03434

Field/Station ID: 138-071811-0100

Date Received: 7/26/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.42U | mg/Kg |
| 7429-90-5 | ALUMINUM | 6,400 | | mg/Kg |
| 7440-38-2 | ARSENIC | 6.3 | | mg/Kg |
| 7440-39-3 | BARIUM | 68 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.34 | | mg/Kg |
| 7440-70-2 | CALCIUM | 1,900 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.25U | mg/Kg |
| 7440-48-4 | COBALT | 25 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 47 | | mg/Kg |
| 7440-50-8 | COPPER | 39 | | mg/Kg |
| 7439-89-6 | IRON | 22,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 850 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 17,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 400 | | mg/Kg |
| 7440-23-5 | SODIUM | 460 | | mg/Kg |
| 7440-02-0 | NICKEL | 350 | | mg/Kg |
| 7439-92-1 | LEAD | 140 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.7U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.7U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.7U | mg/Kg |
| 7440-62-2 | VANADIUM | 24 | | mg/Kg |
| 7440-66-6 | ZINC | 120 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03435

Field/Station ID: 138-071811-0101

Date Received: 7/26/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | --- | 500U | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | --- | 500U | ug/L |
| 7439-95-4 | MAGNESIUM | --- | 500U | ug/L |
| 7439-96-5 | MANGANESE | --- | 5.0U | ug/L |
| 7440-23-5 | SODIUM | --- | 1,000U | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03572

Field/Station ID: 138-080211-0005

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-14 E

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.47U | mg/Kg |
| 7429-90-5 | ALUMINUM | 5,100 | | mg/Kg |
| 7440-38-2 | ARSENIC | 5.1 | | mg/Kg |
| 7440-39-3 | BARIUM | 95 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.33 | | mg/Kg |
| 7440-70-2 | CALCIUM | 28,000 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03572

Field/Station ID: 138-080211-0005

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-14 E

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 6.9 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 31 | | mg/Kg |
| 7440-50-8 | COPPER | 130 | | mg/Kg |
| 7439-89-6 | IRON | 16,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,100 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 17,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 310 | | mg/Kg |
| 7440-23-5 | SODIUM | 140 | | mg/Kg |
| 7440-02-0 | NICKEL | 57 | | mg/Kg |
| 7439-92-1 | LEAD | 470 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.9U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 23 | | mg/Kg |
| 7440-66-6 | ZINC | 240 | | mg/Kg |

AN03573

Field/Station ID: 138-080211-0010

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-15 B

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.44U | mg/Kg |
| 7429-90-5 | ALUMINUM | 5,100 | | mg/Kg |
| 7440-38-2 | ARSENIC | 7.8 | | mg/Kg |
| 7440-39-3 | BARIUM | 290 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.26U | mg/Kg |
| 7440-70-2 | CALCIUM | 9,400 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.40 | | mg/Kg |
| 7440-48-4 | COBALT | 8.5 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 21 | | mg/Kg |
| 7440-50-8 | COPPER | 180 | | mg/Kg |
| 7439-89-6 | IRON | 22,000 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03573

Field/Station ID: 138-080211-0010

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-15 B

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-09-7 | POTASSIUM | 670 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 5,400 | | mg/Kg |
| 7439-96-5 | MANGANESE | 190 | | mg/Kg |
| 7440-23-5 | SODIUM | 200 | | mg/Kg |
| 7440-02-0 | NICKEL | 120 | | mg/Kg |
| 7439-92-1 | LEAD | 1,500 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 2.5 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 21 | | mg/Kg |
| 7440-66-6 | ZINC | 290 | | mg/Kg |

AN03574

Field/Station ID: 138-080211-0015

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-15 G

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 0.46U | mg/Kg |
| 7429-90-5 | ALUMINUM | 9,100 | | mg/Kg |
| 7440-38-2 | ARSENIC | 6.0 | | mg/Kg |
| 7440-39-3 | BARIUM | 54 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.49 | | mg/Kg |
| 7440-70-2 | CALCIUM | 1,900 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 5.4 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 14 | | mg/Kg |
| 7440-50-8 | COPPER | 11 | | mg/Kg |
| 7439-89-6 | IRON | 18,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 900 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 1,800 | | mg/Kg |
| 7439-96-5 | MANGANESE | 320 | | mg/Kg |
| 7440-23-5 | SODIUM | --- | 93U | mg/Kg |
| 7440-02-0 | NICKEL | 8.5 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03574

Field/Station ID: 138-080211-0015

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-15 G

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-92-1 | LEAD | 42 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.9U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 23 | | mg/Kg |
| 7440-66-6 | ZINC | 33 | | mg/Kg |

AN03575

Field/Station ID: 138-080211-0020

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-16 D

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 0.47U | mg/Kg |
| 7429-90-5 | ALUMINUM | 3,900 | | mg/Kg |
| 7440-38-2 | ARSENIC | 15 | | mg/Kg |
| 7440-39-3 | BARIUM | 80 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.28U | mg/Kg |
| 7440-70-2 | CALCIUM | 2,700 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 6.4 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 16 | | mg/Kg |
| 7440-50-8 | COPPER | 71 | | mg/Kg |
| 7439-89-6 | IRON | 15,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 940 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 1,800 | | mg/Kg |
| 7439-96-5 | MANGANESE | 170 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,900 | | mg/Kg |
| 7440-02-0 | NICKEL | 27 | | mg/Kg |
| 7439-92-1 | LEAD | 680 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 1.9 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 81 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03575

Field/Station ID: 138-080211-0020

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-16 D

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-66-6 | ZINC | 210 | | mg/Kg |

AN03576

Field/Station ID: 138-080211-0025

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-17 A

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.44U | mg/Kg |
| 7429-90-5 | ALUMINUM | 3,300 | | mg/Kg |
| 7440-38-2 | ARSENIC | 3.8 | | mg/Kg |
| 7440-39-3 | BARIUM | 43 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.26U | mg/Kg |
| 7440-70-2 | CALCIUM | 1,800 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.30 | | mg/Kg |
| 7440-48-4 | COBALT | 3.3 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 7.9 | | mg/Kg |
| 7440-50-8 | COPPER | 47 | | mg/Kg |
| 7439-89-6 | IRON | 9,700 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 480 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 1,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 110 | | mg/Kg |
| 7440-23-5 | SODIUM | 160 | | mg/Kg |
| 7440-02-0 | NICKEL | 11 | | mg/Kg |
| 7439-92-1 | LEAD | 330 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.8U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 15 | | mg/Kg |
| 7440-66-6 | ZINC | 110 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03577

Field/Station ID: 138-080211-0030

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-17 F

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.46U | mg/Kg |
| 7429-90-5 | ALUMINUM | 10,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 8.1 | | mg/Kg |
| 7440-39-3 | BARIUM | 29 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.32 | | mg/Kg |
| 7440-70-2 | CALCIUM | 1,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 6.8 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 27 | | mg/Kg |
| 7440-50-8 | COPPER | 13 | | mg/Kg |
| 7439-89-6 | IRON | 21,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,100 | | mg/Kg |
| 7439-96-5 | MANGANESE | 440 | | mg/Kg |
| 7440-23-5 | SODIUM | 150 | | mg/Kg |
| 7440-02-0 | NICKEL | 16 | | mg/Kg |
| 7439-92-1 | LEAD | 26 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.9U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 27 | | mg/Kg |
| 7440-66-6 | ZINC | 38 | | mg/Kg |

AN03578

Field/Station ID: 138-080211-0035

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-18 C

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.44U | mg/Kg |
| 7429-90-5 | ALUMINUM | 11,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 6.0 | | mg/Kg |
| 7440-39-3 | BARIUM | 35 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.34 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03578

Field/Station ID: 138-080211-0035

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-18 C

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-70-2 | CALCIUM | 1,100 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.26U | mg/Kg |
| 7440-48-4 | COBALT | 5.8 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 15 | | mg/Kg |
| 7440-50-8 | COPPER | 11 | | mg/Kg |
| 7439-89-6 | IRON | 19,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 740 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 260 | | mg/Kg |
| 7440-23-5 | SODIUM | 660 | | mg/Kg |
| 7440-02-0 | NICKEL | 9.8 | | mg/Kg |
| 7439-92-1 | LEAD | 18 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.8U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 24 | | mg/Kg |
| 7440-66-6 | ZINC | 31 | | mg/Kg |

AN03579

Field/Station ID: 138-080211-0040

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-18 H

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.49U | mg/Kg |
| 7429-90-5 | ALUMINUM | 8,500 | | mg/Kg |
| 7440-38-2 | ARSENIC | 4.2 | | mg/Kg |
| 7440-39-3 | BARIUM | 24 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.36 | | mg/Kg |
| 7440-70-2 | CALCIUM | 7,100 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.29U | mg/Kg |
| 7440-48-4 | COBALT | 5.9 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 32 | | mg/Kg |
| 7440-50-8 | COPPER | 12 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03579

Field/Station ID: 138-080211-0040

Date Received: 8/8/2011

Matrix: Soil

Sample Description: JWL-Soil-18 H

Analysis Type: **METALS TAL ICP SOLID**

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-89-6 | IRON | 19,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,800 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 3,900 | | mg/Kg |
| 7439-96-5 | MANGANESE | 320 | | mg/Kg |
| 7440-23-5 | SODIUM | 2,700 | | mg/Kg |
| 7440-02-0 | NICKEL | 22 | | mg/Kg |
| 7439-92-1 | LEAD | 49 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.0U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.0U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.0U | mg/Kg |
| 7440-62-2 | VANADIUM | 23 | | mg/Kg |
| 7440-66-6 | ZINC | 41 | | mg/Kg |

AN03580

Field/Station ID: 138-080211-0041

Date Received: 8/8/2011

Matrix: Soil

Sample Description: FD-2 JWL-Soil-14 E

Analysis Type: **METALS TAL ICP SOLID**

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.42U | mg/Kg |
| 7429-90-5 | ALUMINUM | 6,200 | | mg/Kg |
| 7440-38-2 | ARSENIC | 4.8 | | mg/Kg |
| 7440-39-3 | BARIUM | 99 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.62 | | mg/Kg |
| 7440-70-2 | CALCIUM | 23,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.25U | mg/Kg |
| 7440-48-4 | COBALT | 7.4 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 23 | | mg/Kg |
| 7440-50-8 | COPPER | 83 | | mg/Kg |
| 7439-89-6 | IRON | 17,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,300 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 14,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 300 | | mg/Kg |
| 7440-23-5 | SODIUM | 170 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03580

Field/Station ID: 138-080211-0041

Date Received: 8/8/2011

Matrix: Soil

Sample Description: FD-2 JWL-Soil-14 E

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-02-0 | NICKEL | 57 | | mg/Kg |
| 7439-92-1 | LEAD | 390 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.7U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.7U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.7U | mg/Kg |
| 7440-62-2 | VANADIUM | 22 | | mg/Kg |
| 7440-66-6 | ZINC | 200 | | mg/Kg |

AN03581

Field/Station ID: 138-080211-0042

Date Received: 8/8/2011

Matrix: Aqueous

Sample Description: Rinsate Blank

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | --- | 500U | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | --- | 500U J | ug/L |
| 7439-95-4 | MAGNESIUM | --- | 500U | ug/L |
| 7439-96-5 | MANGANESE | --- | 5.0U | ug/L |
| 7440-23-5 | SODIUM | --- | 1,000U J | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03581

Field/Station ID: 138-080211-0042

Date Received: 8/8/2011

Matrix: Aqueous

Sample Description: Rinsate Blank

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03594

Field/Station ID: 138-081011-0002

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U J | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 250,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 220 | | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 760,000 | | ug/L |
| 7439-96-5 | MANGANESE | 79 | | ug/L |
| 7440-23-5 | SODIUM | 6,600,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03595

Field/Station ID: 138-081011-0003

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 740,000 | | ug/L |
| 7439-96-5 | MANGANESE | 66 | | ug/L |
| 7440-23-5 | SODIUM | 6,400,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03596

Field/Station ID: 138-081011-0004

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | 20 | | ug/L |
| 7440-39-3 | BARIIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 250,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03596

Field/Station ID: 138-081011-0004

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 210 | | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 750,000 | | ug/L |
| 7439-96-5 | MANGANESE | 82 | | ug/L |
| 7440-23-5 | SODIUM | 6,600,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03597

Field/Station ID: 138-081011-0005

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 730,000 | | ug/L |



U.S. EPA Region 2 Laboratory
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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03597

Field/Station ID: 138-081011-0005

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7439-96-5 | MANGANESE | 71 | | ug/L |
| 7440-23-5 | SODIUM | 6,400,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03598

Field/Station ID: 138-081011-0006

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 260 | | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 730,000 | | ug/L |
| 7439-96-5 | MANGANESE | 85 | | ug/L |
| 7440-23-5 | SODIUM | 6,500,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03598

Field/Station ID: 138-081011-0006

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03599

Field/Station ID: 138-081011-0007

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 740,000 | | ug/L |
| 7439-96-5 | MANGANESE | 75 | | ug/L |
| 7440-23-5 | SODIUM | 6,400,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03600

Field/Station ID: 138-081011-0008

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 250 | | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 730,000 | | ug/L |
| 7439-96-5 | MANGANESE | 85 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03601

Field/Station ID: 138-081011-0009

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03601

Field/Station ID: 138-081011-0009

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 730,000 | | ug/L |
| 7439-96-5 | MANGANESE | 66 | | ug/L |
| 7440-23-5 | SODIUM | 6,400,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03602

Field/Station ID: 138-081011-0010

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 230 | | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03602

Field/Station ID: 138-081011-0010

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 730,000 | | ug/L |
| 7439-96-5 | MANGANESE | 85 | | ug/L |
| 7440-23-5 | SODIUM | 6,400,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03603

Field/Station ID: 138-081011-0011

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 730,000 | | ug/L |
| 7439-96-5 | MANGANESE | 70 | | ug/L |
| 7440-23-5 | SODIUM | 6,500,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03603

Field/Station ID: 138-081011-0011

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03604

Field/Station ID: 138-081011-0012

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 410 | | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 710,000 | | ug/L |
| 7439-96-5 | MANGANESE | 91 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03604

Field/Station ID: 138-081011-0012

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: **METALS TAL ICP AQUEOUS**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03605

Field/Station ID: 138-081011-0013

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: **METALS TAL ICP AQUEOUS**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 710,000 | | ug/L |
| 7439-96-5 | MANGANESE | 71 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03606

Field/Station ID: 138-081011-0014

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | 120 | | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 590 | | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 700,000 | | ug/L |
| 7439-96-5 | MANGANESE | 97 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03607

Field/Station ID: 138-081011-0015

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |



U.S. EPA Region 2 Laboratory
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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03607

Field/Station ID: 138-081011-0015

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 700,000 | | ug/L |
| 7439-96-5 | MANGANESE | 72 | | ug/L |
| 7440-23-5 | SODIUM | 6,400,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03608

Field/Station ID: 138-081011-0016

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

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AN03608

Field/Station ID: 138-081011-0016

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-89-6 | IRON | 200 | | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 690,000 | | ug/L |
| 7439-96-5 | MANGANESE | 76 | | ug/L |
| 7440-23-5 | SODIUM | 6,200,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03609

Field/Station ID: 138-081011-0017

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U J | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U J | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 700,000 | | ug/L |
| 7439-96-5 | MANGANESE | 68 | | ug/L |
| 7440-23-5 | SODIUM | 6,200,000 | | ug/L |



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Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

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AN03609

Field/Station ID: 138-081011-0017

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: **METALS TAL ICP AQUEOUS**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03610

Field/Station ID: 138-081011-0018

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: **METALS TAL ICP AQUEOUS**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 120 | | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 700,000 | | ug/L |
| 7439-96-5 | MANGANESE | 74 | | ug/L |
| 7440-23-5 | SODIUM | 6,200,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03610

Field/Station ID: 138-081011-0018

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03611

Field/Station ID: 138-081011-0019

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 690,000 | | ug/L |
| 7439-96-5 | MANGANESE | 69 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |



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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03612

Field/Station ID: 138-081011-0020

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | 200 | | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | 5.7 | | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 860 | | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 690,000 | | ug/L |
| 7439-96-5 | MANGANESE | 100 | | ug/L |
| 7440-23-5 | SODIUM | 6,200,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | 21 | | ug/L |

AN03613

Field/Station ID: 138-081011-0021

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03613

Field/Station ID: 138-081011-0021

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 680,000 | | ug/L |
| 7439-96-5 | MANGANESE | 76 | | ug/L |
| 7440-23-5 | SODIUM | 6,200,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03614

Field/Station ID: 138-081011-0022

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 360 | | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 690,000 | | ug/L |



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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

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AN03614

Field/Station ID: 138-081011-0022

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7439-96-5 | MANGANESE | 86 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | 21 | | ug/L |

AN03615

Field/Station ID: 138-081011-0023

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 680,000 | | ug/L |
| 7439-96-5 | MANGANESE | 73 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03615

Field/Station ID: 138-081011-0023

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03616

Field/Station ID: 138-081011-0024

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 420 | | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 690,000 | | ug/L |
| 7439-96-5 | MANGANESE | 88 | | ug/L |
| 7440-23-5 | SODIUM | 6,300,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03617

Field/Station ID: 138-081011-0025

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 240,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 680,000 | | ug/L |
| 7439-96-5 | MANGANESE | 70 | | ug/L |
| 7440-23-5 | SODIUM | 6,100,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03618

Field/Station ID: 138-081011-0026

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03618

Field/Station ID: 138-081011-0026

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | 460 | | ug/L |
| 7440-09-7 | POTASSIUM | 250,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 680,000 | | ug/L |
| 7439-96-5 | MANGANESE | 86 | | ug/L |
| 7440-23-5 | SODIUM | 6,600,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 16U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03619

Field/Station ID: 138-081011-0027

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 16U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 230,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |



U.S. EPA Region 2 Laboratory
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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03619

Field/Station ID: 138-081011-0027

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-09-7 | POTASSIUM | 240,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 660,000 | | ug/L |
| 7439-96-5 | MANGANESE | 68 | | ug/L |
| 7440-23-5 | SODIUM | 6,500,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | 45 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03620

Field/Station ID: 138-081011-0028

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description: RINSATE BLANK 3

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | 710 | | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 5,600 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | 18 | | ug/L |
| 7440-50-8 | COPPER | 27 | | ug/L |
| 7439-89-6 | IRON | 19,000 | | ug/L |
| 7440-09-7 | POTASSIUM | --- | 500U | ug/L |
| 7439-95-4 | MAGNESIUM | 1,100 | | ug/L |
| 7439-96-5 | MANGANESE | 370 | | ug/L |
| 7440-23-5 | SODIUM | 1,200 | | ug/L |
| 7440-02-0 | NICKEL | 23 | | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03620

Field/Station ID: 138-081011-0028

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description: RINSATE BLANK 3

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-92-1 | LEAD | 1,900 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | 54 | | ug/L |

AN03621

Field/Station ID: 138-081011-0029

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description: RINSATE BLANK 4

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | --- | 500U | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | --- | 500U | ug/L |
| 7439-95-4 | MAGNESIUM | --- | 500U | ug/L |
| 7439-96-5 | MANGANESE | --- | 5.0U | ug/L |
| 7440-23-5 | SODIUM | --- | 1,000U | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |



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Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

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AN03621

Field/Station ID: 138-081011-0029

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description: RINSATE BLANK 4

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03622

Field/Station ID: 138-081011-0030

Date Received: 8/10/2011

Matrix: Aqueous

Sample Description: FB-1

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | --- | 500U | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 20U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | --- | 500U | ug/L |
| 7439-95-4 | MAGNESIUM | --- | 500U | ug/L |
| 7439-96-5 | MANGANESE | --- | 5.0U | ug/L |
| 7440-23-5 | SODIUM | --- | 1,000U | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 40U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |



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Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

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AN03623

Field/Station ID: 138-081011-0001

Date Received: 8/11/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.53U | mg/Kg |
| 7429-90-5 | ALUMINUM | 2,800 | | mg/Kg |
| 7440-38-2 | ARSENIC | 200 | | mg/Kg |
| 7440-39-3 | BARIUM | 200 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.32U | mg/Kg |
| 7440-70-2 | CALCIUM | 37,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.56 | | mg/Kg |
| 7440-48-4 | COBALT | 5.2 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 38 | | mg/Kg |
| 7440-50-8 | COPPER | 140 | | mg/Kg |
| 7439-89-6 | IRON | 100,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 11,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 17,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 340 | | mg/Kg |
| 7440-23-5 | SODIUM | 4,200 | | mg/Kg |
| 7440-02-0 | NICKEL | 13 | | mg/Kg |
| 7439-92-1 | LEAD | 21,000 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 5.1 | | mg/Kg |
| 7782-49-2 | SELENIUM | 13 | | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.1U | mg/Kg |
| 7440-62-2 | VANADIUM | 30 | | mg/Kg |
| 7440-66-6 | ZINC | 120 | | mg/Kg |

AN03624

Field/Station ID: 138-081111-0001

Date Received: 8/11/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.53U | mg/Kg |
| 7429-90-5 | ALUMINUM | 1,900 | | mg/Kg |
| 7440-38-2 | ARSENIC | 7.7 | | mg/Kg |
| 7440-39-3 | BARIUM | 250 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.32U | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03624

Field/Station ID: 138-081111-0001

Date Received: 8/11/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-70-2 | CALCIUM | 33,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.54 | | mg/Kg |
| 7440-48-4 | COBALT | 3.5 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 10 | | mg/Kg |
| 7440-50-8 | COPPER | 51 | | mg/Kg |
| 7439-89-6 | IRON | 17,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 470 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,400 | | mg/Kg |
| 7439-96-5 | MANGANESE | 1,600 | | mg/Kg |
| 7440-23-5 | SODIUM | 4,400 | | mg/Kg |
| 7440-02-0 | NICKEL | 8.5 | | mg/Kg |
| 7439-92-1 | LEAD | 29,000 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.1U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.1U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.1U | mg/Kg |
| 7440-62-2 | VANADIUM | 13 | | mg/Kg |
| 7440-66-6 | ZINC | 61 | | mg/Kg |

AN03625

Field/Station ID: 138-081111-0002

Date Received: 8/11/2011

Matrix: Soil

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.46U | mg/Kg |
| 7429-90-5 | ALUMINUM | 3,800 | | mg/Kg |
| 7440-38-2 | ARSENIC | 7.0 | | mg/Kg |
| 7440-39-3 | BARIUM | 41 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.27U | mg/Kg |
| 7440-70-2 | CALCIUM | 24,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.27U | mg/Kg |
| 7440-48-4 | COBALT | 3.6 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 21 | | mg/Kg |
| 7440-50-8 | COPPER | 26 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03625

Field/Station ID: 138-081111-0002

Date Received: 8/11/2011

Matrix: Soil

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-89-6 | IRON | 8,400 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 880 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 14,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 230 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,500 | | mg/Kg |
| 7440-02-0 | NICKEL | 11 | | mg/Kg |
| 7439-92-1 | LEAD | 2,500 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.8U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 12 | | mg/Kg |
| 7440-66-6 | ZINC | 64 | | mg/Kg |

AN03637

Field/Station ID: 138-081011-0031

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: **METALS TAL ICP DISSOLVED**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|----------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 130,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 250 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 120,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 350,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 110 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 2,800,000 | | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03637

Field/Station ID: 138-081011-0031

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|---------------------|--------|--------------|-------|
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |

AN03638

Field/Station ID: 138-081011-0032

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 140,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 310 | | ug/L |
| 7440-09-7 | POTASSIUM | 120,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 370,000 | | ug/L |
| 7439-96-5 | MANGANESE | 120 | | ug/L |
| 7440-23-5 | SODIUM | 2,700,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | 75 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03638

Field/Station ID: 138-081011-0032

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: **METALS TAL ICP AQUEOUS**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03639

Field/Station ID: 138-081011-0033

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: **METALS TAL ICP DISSOLVED**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|----------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 120,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 400 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 110,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 340,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 170 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 2,700,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | 27 | | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03640

Field/Station ID: 138-081011-0034

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 120,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 420 | | ug/L |
| 7440-09-7 | POTASSIUM | 110,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 340,000 | | ug/L |
| 7439-96-5 | MANGANESE | 130 | | ug/L |
| 7440-23-5 | SODIUM | 2,500,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | 280 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03641

Field/Station ID: 138-081011-0035

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|----------------------|---------|--------------|-------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | 120 | | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03641

Field/Station ID: 138-081011-0035

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|----------------------|-----------|--------------|-------|
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 62 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 370,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 1,800 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 2,900,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |

AN03642

Field/Station ID: 138-081011-0036

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | 120 | | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 170,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 58 | | ug/L |
| 7440-09-7 | POTASSIUM | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 380,000 | | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03642

Field/Station ID: 138-081011-0036

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7439-96-5 | MANGANESE | 1,900 | | ug/L |
| 7440-23-5 | SODIUM | 3,000,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03643

Field/Station ID: 138-081011-0037

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|----------------------|-----------|--------------|-------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 120,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 320 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 100,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 300,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 84 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 2,300,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | 17 | | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03643

Field/Station ID: 138-081011-0037

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |

AN03644

Field/Station ID: 138-081011-0038

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 120,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 410 | | ug/L |
| 7440-09-7 | POTASSIUM | 100,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 290,000 | | ug/L |
| 7439-96-5 | MANGANESE | 89 | | ug/L |
| 7440-23-5 | SODIUM | 2,200,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | 140 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | 28 | | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03645

Field/Station ID: 138-081011-0039

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|----------------------|-----------|--------------|-------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | 110 | | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 240 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 420,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 240 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 3,100,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |

AN03646

Field/Station ID: 138-081011-0040

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | 100 | | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 150,000 | | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03646

Field/Station ID: 138-081011-0040

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 430 | | ug/L |
| 7440-09-7 | POTASSIUM | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 400,000 | | ug/L |
| 7439-96-5 | MANGANESE | 220 | | ug/L |
| 7440-23-5 | SODIUM | 3,000,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | 40 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03647

Field/Station ID: 138-081011-0041

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|----------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 130,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 520 | | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03647

Field/Station ID: 138-081011-0041

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|----------------------|-----------|--------------|-------|
| 7440-09-7 | POTASSIUM, DISSOLVED | 130,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 350,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 420 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 2,900,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |

AN03648

Field/Station ID: 138-081011-0042

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 120,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 680 | | ug/L |
| 7440-09-7 | POTASSIUM | 120,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 340,000 | | ug/L |
| 7439-96-5 | MANGANESE | 450 | | ug/L |
| 7440-23-5 | SODIUM | 2,700,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03648

Field/Station ID: 138-081011-0042

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-92-1 | LEAD | 150 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03649

Field/Station ID: 138-081011-0043

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|----------------------|-----------|--------------|-------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | 120 | | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 110 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 370,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 1,100 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 3,000,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03649

Field/Station ID: 138-081011-0043

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|-----------------|--------|--------------|-------|
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |

AN03650

Field/Station ID: 138-081011-0044

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | 120 | | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 230 | | ug/L |
| 7440-09-7 | POTASSIUM | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 390,000 | | ug/L |
| 7439-96-5 | MANGANESE | 1,100 | | ug/L |
| 7440-23-5 | SODIUM | 3,100,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | 30 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03651

Field/Station ID: 138-081011-0045

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|----------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | 160 | | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 1,600 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 150,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 410,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 190 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 3,200,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |

AN03652

Field/Station ID: 138-081011-0046

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | 150 | | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03652

Field/Station ID: 138-081011-0046

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-70-2 | CALCIUM | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 2,300 | | ug/L |
| 7440-09-7 | POTASSIUM | 150,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 410,000 | | ug/L |
| 7439-96-5 | MANGANESE | 200 | | ug/L |
| 7440-23-5 | SODIUM | 3,100,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | 120 | | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03653

Field/Station ID: 138-081011-0047

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | --- | 500U | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03653

Field/Station ID: 138-081011-0047

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | --- | 500U | ug/L |
| 7439-95-4 | MAGNESIUM | --- | 500U | ug/L |
| 7439-96-5 | MANGANESE | --- | 5.0U | ug/L |
| 7440-23-5 | SODIUM | --- | 1,000U | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03654

Field/Station ID: 138-081011-0048

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | --- | 100U | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | --- | 500U | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | --- | 50U | ug/L |
| 7440-09-7 | POTASSIUM | --- | 500U | ug/L |
| 7439-95-4 | MAGNESIUM | --- | 500U | ug/L |
| 7439-96-5 | MANGANESE | --- | 5.0U | ug/L |
| 7440-23-5 | SODIUM | 3,300 | | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03654

Field/Station ID: 138-081011-0048

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03655

Field/Station ID: 138-081011-0050

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|-----------|--------------|-------|
| 7440-22-4 | SILVER | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM | 120 | | ug/L |
| 7440-41-7 | BERYLLIUM | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER | --- | 10U | ug/L |
| 7439-89-6 | IRON | 57 | | ug/L |
| 7440-09-7 | POTASSIUM | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM | 370,000 | | ug/L |
| 7439-96-5 | MANGANESE | 1,800 | | ug/L |
| 7440-23-5 | SODIUM | 2,900,000 | | ug/L |
| 7440-02-0 | NICKEL | --- | 20U | ug/L |
| 7439-92-1 | LEAD | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM | --- | 20U | ug/L |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03655

Field/Station ID: 138-081011-0050

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP AQUEOUS

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-62-2 | VANADIUM | --- | 20U | ug/L |
| 7440-66-6 | ZINC | --- | 20U | ug/L |

AN03656

Field/Station ID: 138-081011-0051

Date Received: 9/14/2011

Matrix: Aqueous

Sample Description:

Analysis Type: METALS TAL ICP DISSOLVED

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|----------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER, DISSOLVED | --- | 5.0U | ug/L |
| 7429-90-5 | ALUMINUM, DISSOLVED | --- | 100U | ug/L |
| 7440-38-2 | ARSENIC, DISSOLVED | --- | 8.0U | ug/L |
| 7440-39-3 | BARIUM, DISSOLVED | 110 | | ug/L |
| 7440-41-7 | BERYLLIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-70-2 | CALCIUM, DISSOLVED | 160,000 | | ug/L |
| 7440-43-9 | CADMIUM, DISSOLVED | --- | 3.0U | ug/L |
| 7440-48-4 | COBALT, DISSOLVED | --- | 20U | ug/L |
| 7440-47-3 | CHROMIUM, DISSOLVED | --- | 5.0U | ug/L |
| 7440-50-8 | COPPER, DISSOLVED | --- | 10U | ug/L |
| 7439-89-6 | IRON, DISSOLVED | 61 | | ug/L |
| 7440-09-7 | POTASSIUM, DISSOLVED | 140,000 | | ug/L |
| 7439-95-4 | MAGNESIUM, DISSOLVED | 370,000 | | ug/L |
| 7439-96-5 | MANGANESE, DISSOLVED | 1,800 | | ug/L |
| 7440-23-5 | SODIUM, DISSOLVED | 3,000,000 | | ug/L |
| 7440-02-0 | NICKEL, DISSOLVED | --- | 20U | ug/L |
| 7439-92-1 | LEAD, DISSOLVED | --- | 8.0U | ug/L |
| 7440-36-0 | ANTIMONY, DISSOLVED | --- | 20U | ug/L |
| 7782-49-2 | SELENIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-28-0 | THALLIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-62-2 | VANADIUM, DISSOLVED | --- | 20U | ug/L |
| 7440-66-6 | ZINC, DISSOLVED | --- | 20U | ug/L |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03657

Field/Station ID: 138-081111-0003

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 2.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 17,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 87 | | mg/Kg |
| 7440-39-3 | BARIUM | 150 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 1.2 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,300 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.1 | | mg/Kg |
| 7440-48-4 | COBALT | 14 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 110 | | mg/Kg |
| 7440-50-8 | COPPER | 440 | | mg/Kg |
| 7439-89-6 | IRON | 40,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,300 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,800 | | mg/Kg |
| 7439-96-5 | MANGANESE | 580 | | mg/Kg |
| 7440-23-5 | SODIUM | 6,900 | | mg/Kg |
| 7440-02-0 | NICKEL | 88 | | mg/Kg |
| 7439-92-1 | LEAD | 1,800 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.2U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.2U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.2U | mg/Kg |
| 7440-62-2 | VANADIUM | 43 | | mg/Kg |
| 7440-66-6 | ZINC | 490 | | mg/Kg |

Single Component Analyses

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-97-6 | MERCURY | 5.1 | | mg/Kg |

AN03658

Field/Station ID: 138-081111-0004

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 1.7 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 76 | | mg/Kg |
| 7440-39-3 | BARIUM | 150 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.78 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03658

Field/Station ID: 138-081111-0004

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-70-2 | CALCIUM | 5,400 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.0 | | mg/Kg |
| 7440-48-4 | COBALT | 12 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 100 | | mg/Kg |
| 7440-50-8 | COPPER | 280 | | mg/Kg |
| 7439-89-6 | IRON | 33,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,200 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,100 | | mg/Kg |
| 7439-96-5 | MANGANESE | 500 | | mg/Kg |
| 7440-23-5 | SODIUM | 7,400 | | mg/Kg |
| 7440-02-0 | NICKEL | 81 | | mg/Kg |
| 7439-92-1 | LEAD | 1,500 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.2U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.2U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.2U | mg/Kg |
| 7440-62-2 | VANADIUM | 40 | | mg/Kg |
| 7440-66-6 | ZINC | 340 | | mg/Kg |

AN03659

Field/Station ID: 138-081111-0005

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 1.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 17,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 78 | | mg/Kg |
| 7440-39-3 | BARIUM | 150 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.82 | | mg/Kg |
| 7440-70-2 | CALCIUM | 8,500 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.90 | | mg/Kg |
| 7440-48-4 | COBALT | 12 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 100 | | mg/Kg |
| 7440-50-8 | COPPER | 280 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03659

Field/Station ID: 138-081111-0005

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-89-6 | IRON | 36,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,100 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,900 | | mg/Kg |
| 7439-96-5 | MANGANESE | 510 | | mg/Kg |
| 7440-23-5 | SODIUM | 5,800 | | mg/Kg |
| 7440-02-0 | NICKEL | 78 | | mg/Kg |
| 7439-92-1 | LEAD | 1,600 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.3U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.3U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.3U | mg/Kg |
| 7440-62-2 | VANADIUM | 39 | | mg/Kg |
| 7440-66-6 | ZINC | 330 | | mg/Kg |

AN03660

Field/Station ID: 138-081111-0006

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 14 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 17,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 74 | | mg/Kg |
| 7440-39-3 | BARIUM | 140 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.81 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,500 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.80 | | mg/Kg |
| 7440-48-4 | COBALT | 13 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 100 | | mg/Kg |
| 7440-50-8 | COPPER | 260 | | mg/Kg |
| 7439-89-6 | IRON | 35,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,100 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,800 | | mg/Kg |
| 7439-96-5 | MANGANESE | 530 | | mg/Kg |
| 7440-23-5 | SODIUM | 3,700 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03660

Field/Station ID: 138-081111-0006

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-02-0 | NICKEL | 77 | | mg/Kg |
| 7439-92-1 | LEAD | 1,400 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.3U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.3U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.3U | mg/Kg |
| 7440-62-2 | VANADIUM | 42 | | mg/Kg |
| 7440-66-6 | ZINC | 330 | | mg/Kg |

AN03661

Field/Station ID: 138-081111-0007

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 1.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 74 | | mg/Kg |
| 7440-39-3 | BARIUM | 140 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.76 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,100 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.0 | | mg/Kg |
| 7440-48-4 | COBALT | 12 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 110 | | mg/Kg |
| 7440-50-8 | COPPER | 260 | | mg/Kg |
| 7439-89-6 | IRON | 34,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,700 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,400 | | mg/Kg |
| 7439-96-5 | MANGANESE | 540 | | mg/Kg |
| 7440-23-5 | SODIUM | 2,600 | | mg/Kg |
| 7440-02-0 | NICKEL | 76 | | mg/Kg |
| 7439-92-1 | LEAD | 1,500 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.9U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.9U | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03661

Field/Station ID: 138-081111-0007

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-62-2 | VANADIUM | 42 | | mg/Kg |
| 7440-66-6 | ZINC | 330 | | mg/Kg |

AN03662

Field/Station ID: 138-081111-0008

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 1.5 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 18,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 71 | | mg/Kg |
| 7440-39-3 | BARIIUM | 140 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.85 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,300 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.72 | | mg/Kg |
| 7440-48-4 | COBALT | 13 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 100 | | mg/Kg |
| 7440-50-8 | COPPER | 260 | | mg/Kg |
| 7439-89-6 | IRON | 35,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,800 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,700 | | mg/Kg |
| 7439-96-5 | MANGANESE | 620 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,700 | | mg/Kg |
| 7440-02-0 | NICKEL | 68 | | mg/Kg |
| 7439-92-1 | LEAD | 1,100 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.5U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.5U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.5U | mg/Kg |
| 7440-62-2 | VANADIUM | 43 | | mg/Kg |
| 7440-66-6 | ZINC | 330 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03663

Field/Station ID: 138-081111-0009

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.64U | mg/Kg |
| 7429-90-5 | ALUMINUM | 17,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 19 | | mg/Kg |
| 7440-39-3 | BARIUM | 72 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.79 | | mg/Kg |
| 7440-70-2 | CALCIUM | 4,500 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.38U | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 51 | | mg/Kg |
| 7440-50-8 | COPPER | 65 | | mg/Kg |
| 7439-89-6 | IRON | 30,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,500 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 490 | | mg/Kg |
| 7440-23-5 | SODIUM | 870 | | mg/Kg |
| 7440-02-0 | NICKEL | 35 | | mg/Kg |
| 7439-92-1 | LEAD | 380 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.5U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.5U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.5U | mg/Kg |
| 7440-62-2 | VANADIUM | 41 | | mg/Kg |
| 7440-66-6 | ZINC | 150 | | mg/Kg |

AN03664

Field/Station ID: 138-081111-0010

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.58U | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 13 | | mg/Kg |
| 7440-39-3 | BARIUM | 57 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.74 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,700 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.35U | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03664

Field/Station ID: 138-081111-0010

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-47-3 | CHROMIUM | 37 | | mg/Kg |
| 7440-50-8 | COPPER | 44 | | mg/Kg |
| 7439-89-6 | IRON | 29,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,400 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 460 | | mg/Kg |
| 7440-23-5 | SODIUM | 580 | | mg/Kg |
| 7440-02-0 | NICKEL | 30 | | mg/Kg |
| 7439-92-1 | LEAD | 480 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.3U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.3U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.3U | mg/Kg |
| 7440-62-2 | VANADIUM | 39 | | mg/Kg |
| 7440-66-6 | ZINC | 110 | | mg/Kg |

AN03665

Field/Station ID: 138-081111-0011

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.47U | mg/Kg |
| 7429-90-5 | ALUMINUM | 10,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 6.6 | | mg/Kg |
| 7440-39-3 | BARIUM | 36 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.51 | | mg/Kg |
| 7440-70-2 | CALCIUM | 29,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 7.0 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 23 | | mg/Kg |
| 7440-50-8 | COPPER | 19 | | mg/Kg |
| 7439-89-6 | IRON | 21,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,600 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 4,000 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03665

Field/Station ID: 138-081111-0011

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-96-5 | MANGANESE | 410 | | mg/Kg |
| 7440-23-5 | SODIUM | 490 | | mg/Kg |
| 7440-02-0 | NICKEL | 18 | | mg/Kg |
| 7439-92-1 | LEAD | 320 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.9U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 25 | | mg/Kg |
| 7440-66-6 | ZINC | 55 | | mg/Kg |

AN03666

Field/Station ID: 138-081111-0030

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.47U | mg/Kg |
| 7429-90-5 | ALUMINUM | 4,400 | | mg/Kg |
| 7440-38-2 | ARSENIC | 4.2 | | mg/Kg |
| 7440-39-3 | BARIUM | 10 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.28U | mg/Kg |
| 7440-70-2 | CALCIUM | 1,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.28U | mg/Kg |
| 7440-48-4 | COBALT | 4.1 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 11 | | mg/Kg |
| 7440-50-8 | COPPER | 4.3 | | mg/Kg |
| 7439-89-6 | IRON | 11,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 810 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 130 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,200 | | mg/Kg |
| 7440-02-0 | NICKEL | 8.4 | | mg/Kg |
| 7439-92-1 | LEAD | 6.5 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.9U | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03666

Field/Station ID: 138-081111-0030

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7782-49-2 | SELENIUM | --- | 1.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 13 | | mg/Kg |
| 7440-66-6 | ZINC | 31 | | mg/Kg |

Single Component Analyses

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-97-6 | MERCURY | --- | 0.016U | mg/Kg |

AN03667

Field/Station ID: 138-081111-0031

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.51U | mg/Kg |
| 7429-90-5 | ALUMINUM | 5,500 | | mg/Kg |
| 7440-38-2 | ARSENIC | 3.7 | | mg/Kg |
| 7440-39-3 | BARIUM | 15 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.61 | | mg/Kg |
| 7440-70-2 | CALCIUM | 970 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.30U | mg/Kg |
| 7440-48-4 | COBALT | 8.0 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 15 | | mg/Kg |
| 7440-50-8 | COPPER | 42 | | mg/Kg |
| 7439-89-6 | IRON | 14,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 940 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 150 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,600 | | mg/Kg |
| 7440-02-0 | NICKEL | 19 | | mg/Kg |
| 7439-92-1 | LEAD | 45 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.0U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.0U | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03667

Field/Station ID: 138-081111-0031

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-28-0 | THALLIUM | --- | 2.0U | mg/Kg |
| 7440-62-2 | VANADIUM | 15 | | mg/Kg |
| 7440-66-6 | ZINC | 460 | | mg/Kg |

AN03668

Field/Station ID: 138-081111-0032

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | --- | 0.55U | mg/Kg |
| 7429-90-5 | ALUMINUM | 6,900 | | mg/Kg |
| 7440-38-2 | ARSENIC | 4.9 | | mg/Kg |
| 7440-39-3 | BARIUM | 15 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.37 | | mg/Kg |
| 7440-70-2 | CALCIUM | 1,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.33U | mg/Kg |
| 7440-48-4 | COBALT | 5.9 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 17 | | mg/Kg |
| 7440-50-8 | COPPER | 7.5 | | mg/Kg |
| 7439-89-6 | IRON | 17,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,200 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 3,300 | | mg/Kg |
| 7439-96-5 | MANGANESE | 190 | | mg/Kg |
| 7440-23-5 | SODIUM | 2,000 | | mg/Kg |
| 7440-02-0 | NICKEL | 13 | | mg/Kg |
| 7439-92-1 | LEAD | 5.9 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.2U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.2U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.2U | mg/Kg |
| 7440-62-2 | VANADIUM | 20 | | mg/Kg |
| 7440-66-6 | ZINC | 41 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03669

Field/Station ID: 138-081111-0033

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.55U | mg/Kg |
| 7429-90-5 | ALUMINUM | 12,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 8.2 | | mg/Kg |
| 7440-39-3 | BARIUM | 24 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.53 | | mg/Kg |
| 7440-70-2 | CALCIUM | 1,700 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.33U | mg/Kg |
| 7440-48-4 | COBALT | 8.4 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 26 | | mg/Kg |
| 7440-50-8 | COPPER | 13 | | mg/Kg |
| 7439-89-6 | IRON | 26,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,800 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 4,800 | | mg/Kg |
| 7439-96-5 | MANGANESE | 270 | | mg/Kg |
| 7440-23-5 | SODIUM | 2,300 | | mg/Kg |
| 7440-02-0 | NICKEL | 19 | | mg/Kg |
| 7439-92-1 | LEAD | 8.4 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.2U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.2U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.2U | mg/Kg |
| 7440-62-2 | VANADIUM | 32 | | mg/Kg |
| 7440-66-6 | ZINC | 58 | | mg/Kg |

AN03670

Field/Station ID: 138-081111-0034

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.50U | mg/Kg |
| 7429-90-5 | ALUMINUM | 7,400 | | mg/Kg |
| 7440-38-2 | ARSENIC | 5.6 | | mg/Kg |
| 7440-39-3 | BARIUM | 18 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.36 | | mg/Kg |
| 7440-70-2 | CALCIUM | 1,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.30U | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03670

Field/Station ID: 138-081111-0034

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-48-4 | COBALT | 5.6 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 17 | | mg/Kg |
| 7440-50-8 | COPPER | 8.3 | | mg/Kg |
| 7439-89-6 | IRON | 18,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 1,100 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 3,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 170 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,200 | | mg/Kg |
| 7440-02-0 | NICKEL | 13 | | mg/Kg |
| 7439-92-1 | LEAD | 5.6 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.0U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.0U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.0U | mg/Kg |
| 7440-62-2 | VANADIUM | 21 | | mg/Kg |
| 7440-66-6 | ZINC | 40 | | mg/Kg |

AN03671

Field/Station ID: 138-081111-0035

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.35U | mg/Kg |
| 7429-90-5 | ALUMINUM | 2,600 | | mg/Kg |
| 7440-38-2 | ARSENIC | 1.8 | | mg/Kg |
| 7440-39-3 | BARIUM | 9.0 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.21U | mg/Kg |
| 7440-70-2 | CALCIUM | 550 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.21U | mg/Kg |
| 7440-48-4 | COBALT | 2.0 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 7.0 | | mg/Kg |
| 7440-50-8 | COPPER | 2.7 | | mg/Kg |
| 7439-89-6 | IRON | 6,700 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 400 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03671

Field/Station ID: 138-081111-0035

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-95-4 | MAGNESIUM | 1,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 59 | | mg/Kg |
| 7440-23-5 | SODIUM | 410 | | mg/Kg |
| 7440-02-0 | NICKEL | 4.4 | | mg/Kg |
| 7439-92-1 | LEAD | 2.9 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.4U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.4U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.4U | mg/Kg |
| 7440-62-2 | VANADIUM | 7.6 | | mg/Kg |
| 7440-66-6 | ZINC | 16 | | mg/Kg |

AN03672

Field/Station ID: 138-081111-0036

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.38U | mg/Kg |
| 7429-90-5 | ALUMINUM | 3,700 | | mg/Kg |
| 7440-38-2 | ARSENIC | 2.5 | | mg/Kg |
| 7440-39-3 | BARIUM | 13 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.23U | mg/Kg |
| 7440-70-2 | CALCIUM | 710 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.23U | mg/Kg |
| 7440-48-4 | COBALT | 3.6 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 9.4 | | mg/Kg |
| 7440-50-8 | COPPER | 3.7 | | mg/Kg |
| 7439-89-6 | IRON | 9,300 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 580 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 1,800 | | mg/Kg |
| 7439-96-5 | MANGANESE | 85 | | mg/Kg |
| 7440-23-5 | SODIUM | 620 | | mg/Kg |
| 7440-02-0 | NICKEL | 7.1 | | mg/Kg |
| 7439-92-1 | LEAD | 2.9 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03672

Field/Station ID: 138-081111-0036

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-36-0 | ANTIMONY | --- | 1.5U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.5U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.5U | mg/Kg |
| 7440-62-2 | VANADIUM | 11 | | mg/Kg |
| 7440-66-6 | ZINC | 23 | | mg/Kg |

AN03673

Field/Station ID: 138-081111-0037

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | --- | 0.32U | mg/Kg |
| 7429-90-5 | ALUMINUM | 2,400 | | mg/Kg |
| 7440-38-2 | ARSENIC | 1.9 | | mg/Kg |
| 7440-39-3 | BARIUM | 7.7 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | --- | 0.19U | mg/Kg |
| 7440-70-2 | CALCIUM | 540 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.19U | mg/Kg |
| 7440-48-4 | COBALT | 2.1 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 6.0 | | mg/Kg |
| 7440-50-8 | COPPER | 2.6 | | mg/Kg |
| 7439-89-6 | IRON | 6,800 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 340 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 1,100 | | mg/Kg |
| 7439-96-5 | MANGANESE | 61 | | mg/Kg |
| 7440-23-5 | SODIUM | 380 | | mg/Kg |
| 7440-02-0 | NICKEL | 4.1 | | mg/Kg |
| 7439-92-1 | LEAD | 2.5 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.3U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.3U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.3U | mg/Kg |
| 7440-62-2 | VANADIUM | 6.5 | | mg/Kg |
| 7440-66-6 | ZINC | 15 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03674

Field/Station ID: 138-081111-0038

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | — | 0.44U | mg/Kg |
| 7429-90-5 | ALUMINUM | 4,900 | | mg/Kg |
| 7440-38-2 | ARSENIC | 4.1 | | mg/Kg |
| 7440-39-3 | BARIUM | 23 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | — | 0.26U | mg/Kg |
| 7440-70-2 | CALCIUM | 1,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | --- | 0.26U | mg/Kg |
| 7440-48-4 | COBALT | 4.4 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 16 | | mg/Kg |
| 7440-50-8 | COPPER | 6.8 | | mg/Kg |
| 7439-89-6 | IRON | 14,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 790 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 2,300 | | mg/Kg |
| 7439-96-5 | MANGANESE | 170 | | mg/Kg |
| 7440-23-5 | SODIUM | 770 | | mg/Kg |
| 7440-02-0 | NICKEL | 11 | | mg/Kg |
| 7439-92-1 | LEAD | 4.3 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 1.8U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 19 | | mg/Kg |
| 7440-66-6 | ZINC | 30 | | mg/Kg |

AN03675

Field/Station ID: 138-081111-0039

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 1.5 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 15,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 15 | | mg/Kg |
| 7440-39-3 | BARIUM | 150 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 18 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03675

Field/Station ID: 138-081111-0039

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-70-2 | CALCIUM | 14,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 5.0 | | mg/Kg |
| 7440-48-4 | COBALT | 120 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 230 | | mg/Kg |
| 7440-50-8 | COPPER | 2,400 | | mg/Kg |
| 7439-89-6 | IRON | 110,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,500 | | mg/Kg |
| 7439-96-5 | MANGANESE | 860 | J | mg/Kg |
| 7440-23-5 | SODIUM | 4,900 | | mg/Kg |
| 7440-02-0 | NICKEL | 840 | | mg/Kg |
| 7439-92-1 | LEAD | 2,900 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 1.7 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.3U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.3U | mg/Kg |
| 7440-62-2 | VANADIUM | 940 | | mg/Kg |
| 7440-66-6 | ZINC | 14,000 | | mg/Kg |

Single Component Analyses

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-97-6 | MERCURY | 0.62 | | mg/Kg |

AN03676

Field/Station ID: 138-081111-0040

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 1.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 18,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 30 | | mg/Kg |
| 7440-39-3 | BARIUM | 180 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 15 | | mg/Kg |
| 7440-70-2 | CALCIUM | 15,000 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03676

Field/Station ID: 138-081111-0040

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|---------|--------------|-------|
| 7440-43-9 | CADMIUM | 0.43 | | mg/Kg |
| 7440-48-4 | COBALT | 140 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 210 | | mg/Kg |
| 7440-50-8 | COPPER | 2,900 | | mg/Kg |
| 7439-89-6 | IRON | 110,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,500 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 1,000 | | mg/Kg |
| 7440-23-5 | SODIUM | 5,800 | | mg/Kg |
| 7440-02-0 | NICKEL | 440 | | mg/Kg |
| 7439-92-1 | LEAD | 2,700 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 16 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 1.8U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 1.8U | mg/Kg |
| 7440-62-2 | VANADIUM | 93 | | mg/Kg |
| 7440-66-6 | ZINC | 16,000 | | mg/Kg |

AN03677

Field/Station ID: 138-081111-0041

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 3.1 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 17,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 78 | | mg/Kg |
| 7440-39-3 | BARIUM | 280 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 5.1 | | mg/Kg |
| 7440-70-2 | CALCIUM | 6,400 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.5 | | mg/Kg |
| 7440-48-4 | COBALT | 33 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 210 | | mg/Kg |
| 7440-50-8 | COPPER | 800 | | mg/Kg |
| 7439-89-6 | IRON | 53,000 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03677

Field/Station ID: 138-081111-0041

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-09-7 | POTASSIUM | 3,200 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,100 | | mg/Kg |
| 7439-96-5 | MANGANESE | 620 | | mg/Kg |
| 7440-23-5 | SODIUM | 7,800 | | mg/Kg |
| 7440-02-0 | NICKEL | 97 | | mg/Kg |
| 7439-92-1 | LEAD | 4,700 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 41 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.0U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.0U | mg/Kg |
| 7440-62-2 | VANADIUM | 83 | | mg/Kg |
| 7440-66-6 | ZINC | 3,100 | | mg/Kg |

AN03678

Field/Station ID: 138-081111-0042

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 2.7 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 10,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 54 | | mg/Kg |
| 7440-39-3 | BARIUM | 190 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 4.1 | | mg/Kg |
| 7440-70-2 | CALCIUM | 180,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.0 | | mg/Kg |
| 7440-48-4 | COBALT | 23 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 160 | | mg/Kg |
| 7440-50-8 | COPPER | 480 | | mg/Kg |
| 7439-89-6 | IRON | 39,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 5,900 | | mg/Kg |
| 7439-96-5 | MANGANESE | 1,100 | | mg/Kg |
| 7440-23-5 | SODIUM | 6,300 | | mg/Kg |
| 7440-02-0 | NICKEL | 90 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03678

Field/Station ID: 138-081111-0042

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-92-1 | LEAD | 29,000 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 3.0 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.4U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.4U | mg/Kg |
| 7440-62-2 | VANADIUM | 76 | | mg/Kg |
| 7440-66-6 | ZINC | 2,100 | | mg/Kg |

AN03679

Field/Station ID: 138-081111-0043

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 2.8 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 14,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 76 | | mg/Kg |
| 7440-39-3 | BARIUM | 220 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 2.8 | | mg/Kg |
| 7440-70-2 | CALCIUM | 4,800 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.6 | | mg/Kg |
| 7440-48-4 | COBALT | 24 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 160 | | mg/Kg |
| 7440-50-8 | COPPER | 510 | | mg/Kg |
| 7439-89-6 | IRON | 40,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,800 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 460 | | mg/Kg |
| 7440-23-5 | SODIUM | 5,600 | | mg/Kg |
| 7440-02-0 | NICKEL | 86 | | mg/Kg |
| 7439-92-1 | LEAD | 2,100 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 4.0 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.4U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.4U | mg/Kg |
| 7440-62-2 | VANADIUM | 59 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03679

Field/Station ID: 138-081111-0043

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-66-6 | ZINC | 2,300 | | mg/Kg |

AN03680

Field/Station ID: 138-081111-0044

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 2.8 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 13,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 90 | | mg/Kg |
| 7440-39-3 | BARIUM | 220 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.68 | | mg/Kg |
| 7440-70-2 | CALCIUM | 6,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.0 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 150 | | mg/Kg |
| 7440-50-8 | COPPER | 390 | | mg/Kg |
| 7439-89-6 | IRON | 35,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,500 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,300 | | mg/Kg |
| 7439-96-5 | MANGANESE | 420 | | mg/Kg |
| 7440-23-5 | SODIUM | 4,900 | | mg/Kg |
| 7440-02-0 | NICKEL | 74 | | mg/Kg |
| 7439-92-1 | LEAD | 2,600 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 3.2 | | mg/Kg |
| 7782-49-2 | SELENIUM | 2.8 | | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 70 | | mg/Kg |
| 7440-66-6 | ZINC | 800 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03681

Field/Station ID: 138-081111-0045

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 3.2 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 14,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 79 | | mg/Kg |
| 7440-39-3 | BARIIUM | 240 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.69 | | mg/Kg |
| 7440-70-2 | CALCIUM | 7,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.5 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 150 | | mg/Kg |
| 7440-50-8 | COPPER | 340 | | mg/Kg |
| 7439-89-6 | IRON | 34,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,800 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 460 | | mg/Kg |
| 7440-23-5 | SODIUM | 4,500 | | mg/Kg |
| 7440-02-0 | NICKEL | 69 | | mg/Kg |
| 7439-92-1 | LEAD | 1,500 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 4.0 | | mg/Kg |
| 7782-49-2 | SELENIUM | 3.0 | | mg/Kg |
| 7440-28-0 | THALLIUM | — | 2.6U | mg/Kg |
| 7440-62-2 | VANADIUM | .55 | | mg/Kg |
| 7440-66-6 | ZINC | 590 | | mg/Kg |

AN03682

Field/Station ID: 138-081111-0046

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 3.2 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 15,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 76 | | mg/Kg |
| 7440-39-3 | BARIIUM | 230 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.76 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03682

Field/Station ID: 138-081111-0046

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-70-2 | CALCIUM | 4,700 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.5 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 160 | | mg/Kg |
| 7440-50-8 | COPPER | 300 | | mg/Kg |
| 7439-89-6 | IRON | 33,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,800 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 460 | | mg/Kg |
| 7440-23-5 | SODIUM | 3,900 | | mg/Kg |
| 7440-02-0 | NICKEL | 65 | | mg/Kg |
| 7439-92-1 | LEAD | 1,300 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 4.2 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.0U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.0U | mg/Kg |
| 7440-62-2 | VANADIUM | 49 | | mg/Kg |
| 7440-66-6 | ZINC | 600 | | mg/Kg |

AN03683

Field/Station ID: 138-081111-0047

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 3.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 83 | | mg/Kg |
| 7440-39-3 | BARIUM | 230 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.83 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,400 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.80 | | mg/Kg |
| 7440-48-4 | COBALT | 12 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 160 | | mg/Kg |
| 7440-50-8 | COPPER | 340 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03683

Field/Station ID: 138-081111-0047

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-89-6 | IRON | 36,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,900 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 540 | | mg/Kg |
| 7440-23-5 | SODIUM | 3,700 | | mg/Kg |
| 7440-02-0 | NICKEL | 73 | | mg/Kg |
| 7439-92-1 | LEAD | 1,400 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.0U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.0U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.0U | mg/Kg |
| 7440-62-2 | VANADIUM | 56 | | mg/Kg |
| 7440-66-6 | ZINC | 640 | | mg/Kg |

AN03684

Field/Station ID: 138-081111-0048

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 4.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 66 | | mg/Kg |
| 7440-39-3 | BARIUM | 270 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.83 | | mg/Kg |
| 7440-70-2 | CALCIUM | 6,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.5 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 170 | | mg/Kg |
| 7440-50-8 | COPPER | 350 | | mg/Kg |
| 7439-89-6 | IRON | 36,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,300 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,300 | | mg/Kg |
| 7439-96-5 | MANGANESE | 450 | | mg/Kg |
| 7440-23-5 | SODIUM | 12,000 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03684

Field/Station ID: 138-081111-0048

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-02-0 | NICKEL | 56 | | mg/Kg |
| 7439-92-1 | LEAD | 870 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.5U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.5U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.5U | mg/Kg |
| 7440-62-2 | VANADIUM | 49 | | mg/Kg |
| 7440-66-6 | ZINC | 610 | | mg/Kg |

Single Component Analyses

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-97-6 | MERCURY | 4.5 | | mg/Kg |

AN03685

Field/Station ID: 138-081111-0049

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 4.3 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 66 | | mg/Kg |
| 7440-39-3 | BARIUM | 260 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.80 | | mg/Kg |
| 7440-70-2 | CALCIUM | 6,900 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.5 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 170 | | mg/Kg |
| 7440-50-8 | COPPER | 360 | | mg/Kg |
| 7439-89-6 | IRON | 34,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,200 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 490 | | mg/Kg |
| 7440-23-5 | SODIUM | 9,400 | | mg/Kg |
| 7440-02-0 | NICKEL | 47 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03685

Field/Station ID: 138-081111-0049

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-92-1 | LEAD | 680 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.6U | mg/Kg |
| 7782-49-2 | SELENIUM | 2.9 | | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 49 | | mg/Kg |
| 7440-66-6 | ZINC | 570 | | mg/Kg |

AN03686

Field/Station ID: 138-081111-0050

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 4.2 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 62 | | mg/Kg |
| 7440-39-3 | BARIUM | 260 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.78 | | mg/Kg |
| 7440-70-2 | CALCIUM | 6,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.5 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 180 | | mg/Kg |
| 7440-50-8 | COPPER | 370 | | mg/Kg |
| 7439-89-6 | IRON | 34,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 450 | | mg/Kg |
| 7440-23-5 | SODIUM | 9,200 | | mg/Kg |
| 7440-02-0 | NICKEL | 59 | | mg/Kg |
| 7439-92-1 | LEAD | 820 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.6U | mg/Kg |
| 7782-49-2 | SELENIUM | 4.1 | | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 46 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03686

Field/Station ID: 138-081111-0050

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-66-6 | ZINC | 580 | | mg/Kg |

AN03687

Field/Station ID: 138-081111-0051

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 3.8 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 62 | | mg/Kg |
| 7440-39-3 | BARIUM | 300 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.79 | | mg/Kg |
| 7440-70-2 | CALCIUM | 6,800 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.7 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 160 | | mg/Kg |
| 7440-50-8 | COPPER | 330 | | mg/Kg |
| 7439-89-6 | IRON | 33,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,200 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,000 | | mg/Kg |
| 7439-96-5 | MANGANESE | 520 | | mg/Kg |
| 7440-23-5 | SODIUM | 8,500 | | mg/Kg |
| 7440-02-0 | NICKEL | 47 | | mg/Kg |
| 7439-92-1 | LEAD | 800 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 3.7 | | mg/Kg |
| 7782-49-2 | SELENIUM | 3.7 | | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.1U | mg/Kg |
| 7440-62-2 | VANADIUM | 49 | | mg/Kg |
| 7440-66-6 | ZINC | 570 | | mg/Kg |



U.S. EPA Region 2 Laboratory
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Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03688

Field/Station ID: 138-081111-0052

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 3.8 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 17,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 62 | | mg/Kg |
| 7440-39-3 | BARIIUM | 230 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.84 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,700 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.1 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 160 | | mg/Kg |
| 7440-50-8 | COPPER | 320 | | mg/Kg |
| 7439-89-6 | IRON | 35,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,300 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 8,200 | | mg/Kg |
| 7439-96-5 | MANGANESE | 540 | | mg/Kg |
| 7440-23-5 | SODIUM | 8,500 | | mg/Kg |
| 7440-02-0 | NICKEL | 49 | | mg/Kg |
| 7439-92-1 | LEAD | 700 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 2.8 | | mg/Kg |
| 7782-49-2 | SELENIUM | 2.7 | | mg/Kg |
| 7440-28-0 | THALLIUM | — | 2.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 50 | | mg/Kg |
| 7440-66-6 | ZINC | 590 | | mg/Kg |

AN03689

Field/Station ID: 138-081111-0053

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 3.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 15,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 61 | | mg/Kg |
| 7440-39-3 | BARIIUM | 200 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.70 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03689

Field/Station ID: 138-081111-0053

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-70-2 | CALCIUM | 6,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.79 | | mg/Kg |
| 7440-48-4 | COBALT | 10 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 140 | | mg/Kg |
| 7440-50-8 | COPPER | 280 | | mg/Kg |
| 7439-89-6 | IRON | 33,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 490 | | mg/Kg |
| 7440-23-5 | SODIUM | 7,800 | | mg/Kg |
| 7440-02-0 | NICKEL | 45 | | mg/Kg |
| 7439-92-1 | LEAD | 780 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.0U | mg/Kg |
| 7782-49-2 | SELENIUM | 3.3 | | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.0U | mg/Kg |
| 7440-62-2 | VANADIUM | 47 | | mg/Kg |
| 7440-66-6 | ZINC | 500 | | mg/Kg |

AN03690

Field/Station ID: 138-081111-0054

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 3.4 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 15,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 73 | | mg/Kg |
| 7440-39-3 | BARIUM | 240 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.79 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,800 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.5 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 160 | | mg/Kg |
| 7440-50-8 | COPPER | 290 | | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03690

Field/Station ID: 138-081111-0054

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7439-89-6 | IRON | 35,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,600 | | mg/Kg |
| 7439-96-5 | MANGANESE | 480 | | mg/Kg |
| 7440-23-5 | SODIUM | 7,400 | | mg/Kg |
| 7440-02-0 | NICKEL | 54 | | mg/Kg |
| 7439-92-1 | LEAD | 940 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 3.7 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.2U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.2U | mg/Kg |
| 7440-62-2 | VANADIUM | 51 | | mg/Kg |
| 7440-66-6 | ZINC | 540 | | mg/Kg |

AN03691

Field/Station ID: 138-081111-0055

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 3.6 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 15,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 81 | | mg/Kg |
| 7440-39-3 | BARIUM | 230 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.74 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.7 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 170 | | mg/Kg |
| 7440-50-8 | COPPER | 330 | | mg/Kg |
| 7439-89-6 | IRON | 35,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,000 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,400 | | mg/Kg |
| 7439-96-5 | MANGANESE | 450 | | mg/Kg |
| 7440-23-5 | SODIUM | 7,100 | | mg/Kg |

Refer to Page 1 for an explanation of Remark Codes

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U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03691

Field/Station ID: 138-081111-0055

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-02-0 | NICKEL | 70 | | mg/Kg |
| 7439-92-1 | LEAD | 1,300 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 4.8 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.9U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.9U | mg/Kg |
| 7440-62-2 | VANADIUM | 53 | | mg/Kg |
| 7440-66-6 | ZINC | 630 | | mg/Kg |

AN03692

Field/Station ID: 138-081111-0056

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: **METALS TAL ICP SOLID**

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 3.0 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 14,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 79 | | mg/Kg |
| 7440-39-3 | BARIUM | 220 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.72 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,000 | | mg/Kg |
| 7440-43-9 | CADMIUM | 1.6 | | mg/Kg |
| 7440-48-4 | COBALT | 11 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 150 | | mg/Kg |
| 7440-50-8 | COPPER | 310 | | mg/Kg |
| 7439-89-6 | IRON | 33,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,600 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,700 | | mg/Kg |
| 7439-96-5 | MANGANESE | 420 | | mg/Kg |
| 7440-23-5 | SODIUM | 5,600 | | mg/Kg |
| 7440-02-0 | NICKEL | 68 | | mg/Kg |
| 7439-92-1 | LEAD | 1,400 | | mg/Kg |
| 7440-36-0 | ANTIMONY | 5.9 | | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.7U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.7U | mg/Kg |



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: **JEWETT WHITE LEAD**

Project Number: 11070033

*Sorted By Sample ID

AN03692

Field/Station ID: 138-081111-0056

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-62-2 | VANADIUM | 50 | | mg/Kg |
| 7440-66-6 | ZINC | 600 | | mg/Kg |

AN03693

Field/Station ID: 138-081111-0057

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
| 7440-22-4 | SILVER | 1.7 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 16,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 85 | | mg/Kg |
| 7440-39-3 | BARIUM | 140 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.82 | | mg/Kg |
| 7440-70-2 | CALCIUM | 4,900 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.80 | | mg/Kg |
| 7440-48-4 | COBALT | 13 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 120 | | mg/Kg |
| 7440-50-8 | COPPER | 290 | | mg/Kg |
| 7439-89-6 | IRON | 38,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 3,100 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 7,400 | | mg/Kg |
| 7439-96-5 | MANGANESE | 590 | | mg/Kg |
| 7440-23-5 | SODIUM | 6,700 | | mg/Kg |
| 7440-02-0 | NICKEL | 86 | | mg/Kg |
| 7439-92-1 | LEAD | 1,700 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 3.2U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 3.2U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 3.2U | mg/Kg |
| 7440-62-2 | VANADIUM | 40 | | mg/Kg |
| 7440-66-6 | ZINC | 470 | | mg/Kg |

Single Component Analyses

| <u>CAS Number</u> | <u>Analyte Name</u> | <u>Result</u> | <u>Remark Codes</u> | <u>Units</u> |
|-------------------|---------------------|---------------|---------------------|--------------|
|-------------------|---------------------|---------------|---------------------|--------------|

Refer to Page 1 for an explanation of Remark Codes

Report Date: 10/14/2011 2:56PM



U.S. EPA Region 2 Laboratory
Data Report

Survey Name: JEWETT WHITE LEAD

Project Number: 11070033

*Sorted By Sample ID

AN03693

Field/Station ID: 138-081111-0057

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Single Component Analyses

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7439-97-6 | MERCURY | 4.1 | | mg/Kg |

AN03694

Field/Station ID: 138-081111-0058

Date Received: 9/14/2011

Matrix: Sediment

Sample Description:

Analysis Type: METALS TAL ICP SOLID

| CAS Number | Analyte Name | Result | Remark Codes | Units |
|------------|--------------|--------|--------------|-------|
| 7440-22-4 | SILVER | 1.5 | | mg/Kg |
| 7429-90-5 | ALUMINUM | 17,000 | | mg/Kg |
| 7440-38-2 | ARSENIC | 75 | | mg/Kg |
| 7440-39-3 | BARIUM | 130 | | mg/Kg |
| 7440-41-7 | BERYLLIUM | 0.80 | | mg/Kg |
| 7440-70-2 | CALCIUM | 5,200 | | mg/Kg |
| 7440-43-9 | CADMIUM | 0.70 | | mg/Kg |
| 7440-48-4 | COBALT | 13 | | mg/Kg |
| 7440-47-3 | CHROMIUM | 110 | | mg/Kg |
| 7440-50-8 | COPPER | 240 | | mg/Kg |
| 7439-89-6 | IRON | 34,000 | | mg/Kg |
| 7440-09-7 | POTASSIUM | 2,700 | | mg/Kg |
| 7439-95-4 | MAGNESIUM | 6,700 | | mg/Kg |
| 7439-96-5 | MANGANESE | 630 | | mg/Kg |
| 7440-23-5 | SODIUM | 1,700 | | mg/Kg |
| 7440-02-0 | NICKEL | 66 | | mg/Kg |
| 7439-92-1 | LEAD | 1,400 | | mg/Kg |
| 7440-36-0 | ANTIMONY | --- | 2.6U | mg/Kg |
| 7782-49-2 | SELENIUM | --- | 2.6U | mg/Kg |
| 7440-28-0 | THALLIUM | --- | 2.6U | mg/Kg |
| 7440-62-2 | VANADIUM | 43 | | mg/Kg |
| 7440-66-6 | ZINC | 360 | | mg/Kg |

Project Approval: _____

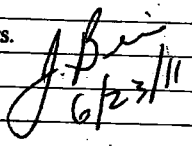
Refer to Page 1 for an explanation of Remark Codes
Report Date: 10/14/2011 2:56PM

Date: _____

10/17/11
92
10/17/11

US EPA Region 2 Analysis Request Form

YES

| | | | | | |
|---|--|--|--|---|--|
| CLP Case/Project #: | | Date Received by RSCG: | | Date Cancelled: | |
| Site Name: Jewett White Lead | | CERCLIS ID: NYD980531545 | | Sampling Dates: | |
| City/Town: Staten Island | | Op Unit: 01 | | Start: 7/11/2011 | |
| State: NY | | Site Spill ID: A218 | | Finish: 7/29/2011 | |
| EPA Project Manager: | | Action Code: Removal - RS | | Arrival Time: | |
| First Name: Kimberly | | Analytical Services Requestor: | | <input type="radio"/> 0800-1200Hrs <input type="radio"/> 1200-1600Hrs <input checked="" type="radio"/> After 1600 Hrs | |
| Last Name: Staiger | | First Name: Cheryl | | Proposed Shipping Dates: | |
| | | Last Name: Hawkins | | Start: 7/11/2011 | |
| | | Phone #: 7326870487 | | Finish: 7/29/2011 | |
| | | Organization: ERT | | Saturday Delivery? <input type="checkbox"/> Yes | |
| EPA Approved QAPP?: <input checked="" type="checkbox"/> Yes | | Oversight/Split Sampling?: <input checked="" type="checkbox"/> Yes | | Labs Used: | |
| Date of QAPP Approval: Pending | | (e.g. PRP/Fed Facility) | | (PRP/FF) | |
| E-mail for Lab Assignments: | | E-mail for Data: | | Address for Hard Copy: | |
| hawkins.cheryla@epa.gov | | hawkins.cheryla@epa.gov | | US EPA ERT MS 211 | |
| | | staiger.kimberly@epa.gov | | Edison, NJ 08837 | |
| Contaminants of Concern (if known): | | Lead | | | |
| Known Hazardous Waste Constituents: | | | | | |
| Special Requests & Reporting Requirements (attach if more space required): | | | | | |
| Sampling dates dependent on access agreements with multiple property owners. Sample dates could change, but the lab will be informed of any changes ASAP. | | | | | |
| The soil samples will be screened by XRF before submission, the lab will be warned of any samples with high concentrations of lead. | | | | | |
| Samples will be delivered directly to the lab by the sampling group each evening after collection. | | | | | |
| Sediment Pb screening level 31 mg/kg, soil Pb screening level 800 mg/kg, aqueous Pb screening level 50 ug/L. | | | | | |
| Electronic data deliverables (EDDs) of the validated data are needed for this project. The EDDs should contain the field sample numbers. | | | | | |
| <div style="text-align: right;">  <div style="font-size: 48pt; font-weight: bold; transform: rotate(-5deg);">FILE</div> </div> | | | | | |

U.S. EPA Region 2
Analysis Request Form[illegible]

**** See instruction sheet for explanation of Turnaround Time for validated data.**

| | | | |
|-------------|--|---------------|--|
| Accepted by | | Date Accepted | |
|-------------|--|---------------|--|

Contact Phone: 732-687-0487

Lab Phone: 732-321-6707

CHAIN OF CUSTODY #

[illegible]

Contact Phone: 732-687-0487.

Lab Phone: 732-321-6707

AN03434
AN03435

CHAIN OF CUSTODY #

[illegible]

AirbillNo:

CHAIN OF CUSTODY RECORD

Jewett White Lead

Contact Name: Cheryl Hawkins

Contact Phone: 732-687-0487

No: 2-080811-091242-0004

Cooler #:

Lab: USEPA Region 2

Lab Phone: 732-321-6707

| Lab # | Sample # | Location | Sub Location | Analyses | Matrix | Collected | Sample Time | Container | Preservative |
|-------|-----------------|---------------|--------------|----------|--------|-----------|-------------|-----------|-----------------------|
| 3572 | 138-080211-0005 | JWL-Soil-14 | E | Metals | Soil | 8/2/2011 | 11:05 | XRF cup | 4 C |
| 3573 | 138-080211-0010 | JWL-Soil-15 | B | Metals | Soil | 8/2/2011 | 11:15 | XRF cup | 4 C |
| 3574 | 138-080211-0015 | JWL-Soil-15 | G | Metals | Soil | 8/2/2011 | 11:20 | XRF cup | 4 C |
| 3575 | 138-080211-0020 | JWL-Soil-16 | D | Metals | Soil | 8/2/2011 | 10:30 | XRF cup | 4 C |
| 3576 | 138-080211-0025 | JWL-Soil-17 | A | Metals | Soil | 8/2/2011 | 10:15 | XRF cup | 4 C |
| 3577 | 138-080211-0030 | JWL-Soil-17 | F | Metals | Soil | 8/2/2011 | 10:20 | XRF cup | 4 C |
| 3578 | 138-080211-0035 | JWL-Soil-18 | C | Metals | Soil | 8/2/2011 | 09:00 | XRF cup | 4 C |
| 3579 | 138-080211-0040 | JWL-Soil-18 | H | Metals | Soil | 8/2/2011 | 09:05 | XRF cup | 4 C |
| 3580 | 138-080211-0041 | FD-2 | JWL-Soil-14E | Metals | Soil | 8/2/2011 | 11:05 | XRF cup | 4 C |
| 3581 | 138-080211-0042 | Rinsate Blank | | Metals | Blank | 8/3/2011 | 14:45 | 1 L poly | HNO ₃ pH<2 |
| | | | | (Lg) | | | | | |

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. According to XRF results the samples have the following Pb exceedences: samples 0005, 0020, 0025, and 0041 between 200 and 1000 ppm. Sample 0010 between 1000 and 2000 ppm. Samples are dried and sifted. % soidl determined by SERAS lab.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

| Items/Reason | Relinquished by | Date | Received by | Date | Time | | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|------------------|-----------------|--------|--------------|--------|------|--|--------------|-----------------|------|-------------|------|------|
| 10 / Analysis | [Signature] | 8/8/11 | Evan Mcnelly | 8/8/11 | 1055 | | | | | | | |
| All Sample Logon | Evan Mcnelly | 8/8/11 | Mina | 8/8/11 | 1330 | | | | | | | |

15.6°C hand-delivered
on ice

Contact Phone: 732-687-0487

Lab Phone: 732-321-6707

[illegible]

Contact Phone: 732-687-0487

Lab Phone: 732-321-6707

AND 3605

| |
|------|
| 3606 |
| 3607 |
| 3608 |
| 3609 |
| 3610 |
| 3611 |
| 3612 |
| 3613 |
| 3614 |
| 3615 |

[illegible]

Contact Phone: 732-687-0487

Lab Phone: 732-321-6707

[illegible]

Special Instructions:

| |
|---------------------------------|
| SAMPLES TRANSFERRED FROM |
| CHAIN OF CUSTODY # |

[illegible]

AirbillNo:

CHAIN OF CUSTODY RECORD

Jewett White Lead

Contact Name: Cheryl Hawkins

Contact Phone: 732-687-0487

No: 2-081111-132306-0006

Cooler #:

Lab: USEPA Region 2

Lab Phone: 732-321-6707

[illegible]

Special Instructions:

| |
|---------------------------------|
| SAMPLES TRANSFERRED FROM |
| CHAIN OF CUSTODY # |

[illegible]

Contact Phone: 732-321-4200

Lab Phone: 732-321-6707

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC.

| |
|---------------------------------|
| SAMPLES TRANSFERRED FROM |
| CHAIN OF CUSTODY # |

[illegible]

Contact Phone: 732-321-4200

Lab Phone: 732-321-6707

| Items/Reason | Relinquished by | Date | Received by | Date | Time | Items/Reason | Relinquished By | Date | Received by | Date | Time |
|--------------|-----------------|---------|-------------|---------|-------|--------------|-----------------|------|-------------|------|------|
| PW / number | [Signature] | 9/14/11 | M. Peña | 9/14/11 | 12:26 | | | | | | |
| | M. Peña | 9/14/11 | E. McElroy | 9/14/11 | 1700 | | | | | | |
| | | | | | | | | | | | |

USEPA

DateShipped: 9/14/2011

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

Jewett White Lead

Contact Name: Chris Gussman

Contact Phone: 732-321-4200

No: 2-091411-110829-0007

Cooler #:

Lab: USEPA Region 2

Lab Phone: 732-321-6707

| Lab # | Sample # | Location | Sub Location | Analyses | Matrix | Collected | Sample Time | Container | Preservative |
|-------|-----------------|----------|--------------|-----------------|----------|-----------|-------------|-------------|--------------|
| 3663 | 138-081111-0009 | JWL-SED1 | G | TAL Metals | Sediment | 9/13/2011 | 15:15 | 4 oz. glass | 4 C |
| 3664 | 138-081111-0010 | JWL-SED1 | H | TAL Metals | Sediment | 9/13/2011 | 15:15 | 4 oz. glass | 4 C |
| 3665 | 138-081111-0011 | JWL-SED1 | I | TAL Metals | Sediment | 9/13/2011 | 15:15 | 4 oz. glass | 4 C |
| 3666 | 138-081111-0030 | JWL-SED4 | A | TAL Metals + Hg | Sediment | 9/13/2011 | 14:00 | 8 oz. glass | 4 C |
| 3667 | 138-081111-0031 | JWL-SED4 | B | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3668 | 138-081111-0032 | JWL-SED4 | C | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3669 | 138-081111-0033 | JWL-SED4 | D | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3670 | 138-081111-0034 | JWL-SED4 | E | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3671 | 138-081111-0035 | JWL-SED4 | F | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3672 | 138-081111-0036 | JWL-SED4 | G | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3673 | 138-081111-0037 | JWL-SED4 | H | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3674 | 138-081111-0038 | JWL-SED4 | I | TAL Metals | Sediment | 9/13/2011 | 14:00 | 4 oz. glass | 4 C |
| 3675 | 138-081111-0039 | JWL-SED5 | A | TAL Metals + Hg | Sediment | 9/13/2011 | 12:50 | 8 oz. glass | 4 C |
| 3676 | 138-081111-0040 | JWL-SED5 | B | TAL Metals | Sediment | 9/13/2011 | 12:50 | 4 oz. glass | 4 C |
| 3677 | 138-081111-0041 | JWL-SED5 | C | TAL Metals | Sediment | 9/13/2011 | 12:50 | 4 oz. glass | 4 C |
| 3678 | 138-081111-0042 | JWL-SED5 | D | TAL Metals | Sediment | 9/13/2011 | 12:50 | 4 oz. glass | 4 C |
| 3679 | 138-081111-0043 | JWL-SED5 | E | TAL Metals | Sediment | 9/13/2011 | 12:50 | 4 oz. glass | 4 C |
| 3680 | 138-081111-0044 | JWL-SED5 | F | TAL Metals | Sediment | 9/13/2011 | 12:50 | 4 oz. glass | 4 C |
| 3681 | 138-081111-0045 | JWL-SED5 | G | TAL Metals | Sediment | 9/13/2011 | 12:50 | 4 oz. glass | 4 C |
| 3682 | 138-081111-0046 | JWL-SED5 | H | TAL Metals | Sediment | 9/13/2011 | 12:50 | 4 oz. glass | 4 C |

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC.

| |
|---------------------------------|
| SAMPLES TRANSFERRED FROM |
| CHAIN OF CUSTODY # |

[illegible]

Jewett White Lead

Contact Phone: 732-321-4200

Cooler #:

Lab: USEPA Region 2

Lab Phone: 732-321-6707

| | |
|--|--------------------------|
| Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. | SAMPLES TRANSFERRED FROM |
| | CHAIN OF CUSTODY # |

[illegible]

Attachment 2
SAMPLE ACCEPTANCE CHECKLIST (SOP G-25)

USEPA Region 2 Laboratory Branch

Project Name: Sewett White Lead

Sample Receiver: Enica McNally

Project Number: 11070033

Date of Receipt: 8/8/2011

| | | | |
|--|-------------------------|-----------|------------------------|
| 1. Verify proper, full, and complete documentation of the following information: | Yes | No | N/A |
| a. Sample Identification | ✓ | | |
| b. Sample Location | ✓ | | |
| c. Date and Time of Collection | ✓ | | |
| d. Collector's Name | ✓ | | |
| e. Sample Matrix | ✓ | | |
| f. Unique Identification & Labeling System for the Samples | ✓ | | |
| 2. Verify the condition of samples received including: | Yes | No | N/A |
| a. Custody Seals (for Criminal Enforcement Samples) | | | ✓ |
| b. Adequate Sample Volume | ✓ | | |
| c. Appropriate Sample Containers | ✓ | | |
| d. No Signs of Damage or Contamination | ✓ | | |
| e. Proper Preservation and Holding Times? | ✓ | | |
| f. Labels Water Resistant with Indelible Ink | ✓ | | |
| 3. Verify shipping documents signed and dated. | Yes | No | N/A |
| a. Were Shipping Documents Properly Signed and Dated? | | | ✓ |
| 4. Record Internal Temperature of ALL Coolers (incl. Hand Delivered) | Temperature (°C) | | Hand Delivered? |
| a. Cooler/Shipping labels ID: <u>Drop off #1 (Hand Delivered)</u> | 15.6 | | (Y) or N |
| b. Cooler/Shipping labels ID: | | | Y or N |
| c. Cooler/Shipping labels ID: | | | Y or N |
| d. Cooler/Shipping labels ID: | | | Y or N |
| e. Cooler/Shipping labels ID: | | | Y or N |
| If temperature not within limits for all overnight shipments (0 °C - 6 °C) OR samples hand delivered WITHOUT evidence of chilling started (i.e. ice, ice packs, dry ice, etc) record the temperature and ID of each sample on the Temperature Excursion Table located on the back of this form | | Comments: | |

Signature: Enica McNally

Date: 8/8/2011

Attachment 2
SAMPLE ACCEPTANCE CHECKLIST (SOP G-25)

USEPA Region 2 Laboratory Branch

Project Name: Jewett White

Sample Receiver: Michelle Peña

Project Number: 110700 33

Date of Receipt: 8-11-11

| | | | |
|--|-------------------------|------------------------|------------|
| 1. Verify proper, full, and complete documentation of the following information: | Yes | No | N/A |
| a. Sample Identification | ✓ | | |
| b. Sample Location | ✓ | | |
| c. Date and Time of Collection | ✓ | | |
| d. Collector's Name | ✓ | | |
| e. Sample Matrix | ✓ | | |
| f. Unique Identification & Labeling System for the Samples | ✓ | | |
| 2. Verify the condition of samples received including: | Yes | No | N/A |
| a. Custody Seals (for Criminal Enforcement Samples) | | | ✓ |
| b. Adequate Sample Volume | | ✓ | |
| c. Appropriate Sample Containers | ✓ | | |
| d. No Signs of Damage or Contamination | ✓ | | |
| e. Proper Preservation and Holding Times? | ✓ | | |
| f. Labels Water Resistant with Indelible Ink | ✓ | | |
| 3. Verify shipping documents signed and dated. | Yes | No | N/A |
| a. Were Shipping Documents Properly Signed and Dated? | | | ✓ |
| 4. Record Internal Temperature of ALL Coolers (incl. Hand Delivered) | Temperature (°C) | Hand Delivered? | |
| a. Cooler/Shipping labels ID: <u>Red Coder</u> | <u>17°</u> | (Y) or N | |
| b. Cooler/Shipping labels ID: | | Y or N | |
| c. Cooler/Shipping labels ID: | | Y or N | |
| d. Cooler/Shipping labels ID: | | Y or N | |
| e. Cooler/Shipping labels ID: | | Y or N | |
| If temperature not within limits for all overnight shipments (0 °C - 6 °C) OR samples hand delivered WITHOUT evidence of chilling started (i.e. ice, ice packs, dry ice, etc) record the temperature and ID of each sample on the Temperature Excursion Table located on the back of this form | | Comments: | |

Signature:

Michelle Peña

Date:

8/11/11

⊗ Per Sheryl Hawkins, e-mail sent to Ness re: low Volume - MP 8-11-11

Attachment 2

SAMPLE ACCEPTANCE CHECKLIST (SOP G-25)

USEPA Region 2 Laboratory Branch

Project Name: Jewett White LeadSample Receiver: Michelle PeñaProject Number: 11070033Date of Receipt: 8-10-11

| | | | |
|--|------------------|-----------------|-----|
| 1. Verify proper, full, and complete documentation of the following information: | Yes | No | N/A |
| a. Sample Identification | | | |
| b. Sample Location | | | |
| c. Date and Time of Collection | | | |
| d. Collector's Name | | | |
| e. Sample Matrix | | | |
| f. Unique Identification & Labeling System for the Samples | | | |
| 2. Verify the condition of samples received including: | Yes | No | N/A |
| a. Custody Seals (for Criminal Enforcement Samples) | | | |
| b. Adequate Sample Volume | | | |
| c. Appropriate Sample Containers | | | |
| d. No Signs of Damage or Contamination | | | |
| e. Proper Preservation and Holding Times? | | | |
| f. Labels Water Resistant with Indelible Ink | | | |
| 3. Verify shipping documents signed and dated. | Yes | No | N/A |
| a. Were Shipping Documents Properly Signed and Dated? | | | |
| 4. Record Internal Temperature of ALL Coolers (incl. Hand Delivered) | Temperature (°C) | Hand Delivered? | |
| a. Cooler/Shipping labels ID: <u>Drop off #1</u> | <u>22°</u> | <u>(Y) or N</u> | |
| b. Cooler/Shipping labels ID: | | Y or N | |
| c. Cooler/Shipping labels ID: | | Y or N | |
| d. Cooler/Shipping labels ID: | | Y or N | |
| e. Cooler/Shipping labels ID: | | Y or N | |
| If temperature not within limits for all overnight shipments (0°C - 6°C) OR samples hand delivered WITHOUT evidence of chilling started (i.e. ice, ice packs, dry ice, etc) record the temperature and ID of each sample on the Temperature Excursion Table located on the back of this form | | Comments: | |

Signature: Michelle PeñaDate: 8/10/11

Attachment 2

SAMPLE ACCEPTANCE CHECKLIST (SOP G-25)

USEPA Region 2 Laboratory Branch

Project Name: Jewett White LeadSample Receiver: Michelle Peña/GFProject Number: 11070033Date of Receipt: 7-26-2011

| | | | |
|--|------------------|-----------------|-----|
| 1. Verify proper, full, and complete documentation of the following information: | Yes | No | N/A |
| a. Sample Identification | ✓ | | |
| b. Sample Location | ✓ | | |
| c. Date and Time of Collection | ✓ | | |
| d. Collector's Name | ✓ | | |
| e. Sample Matrix | ✓ | | |
| f. Unique Identification & Labeling System for the Samples | ✓ | | |
| 2. Verify the condition of samples received including: | Yes | No | N/A |
| a. Custody Seals (for Criminal Enforcement Samples) | | | ✓ |
| b. Adequate Sample Volume | ✓ | | |
| c. Appropriate Sample Containers | ✓ | | |
| d. No Signs of Damage or Contamination | ✓ | | |
| e. Proper Preservation and Holding Times? | ✓ | | |
| f. Labels Water Resistant with Indelible Ink | ✓ | | |
| 3. Verify shipping documents signed and dated. | Yes | No | N/A |
| a. Were Shipping Documents Properly Signed and Dated? | ✓ | | |
| 4. Record Internal Temperature of ALL Coolers (incl. Hand Delivered) | Temperature (°C) | Hand Delivered? | |
| a. Cooler/Shipping labels ID: <u>Red Cooler</u> | <u>11°</u> | <u>Y</u> or N | |
| b. Cooler/Shipping labels ID: | | <u>Y</u> or N | |
| c. Cooler/Shipping labels ID: | | <u>Y</u> or N | |
| d. Cooler/Shipping labels ID: | | <u>Y</u> or N | |
| e. Cooler/Shipping labels ID: | | <u>Y</u> or N | |
| If temperature not within limits for all overnight shipments (0 °C - 6 °C) OR samples hand delivered WITHOUT evidence of chilling started (i.e. ice, ice packs, dry ice, etc) record the temperature and ID of each sample on the Temperature Excursion Table located on the back of this form | | Comments: | |

Signature: Michelle PeñaDate: 7/26/2011

Attachment 2

SAMPLE ACCEPTANCE CHECKLIST (SOP G-25)

USEPA Region 2 Laboratory Branch

Project Name: Jewett WhiteSample Receiver: Michelle PeñaProject Number: 11070033Date of Receipt: 9-14-2011

| | | | |
|--|------------------|-----------------|-----|
| 1. Verify proper, full, and complete documentation of the following information: | Yes | No | N/A |
| a. Sample Identification | ✓ | | |
| b. Sample Location | ✓ | | |
| c. Date and Time of Collection | ✓ | | |
| d. Collector's Name | ✓ | | |
| e. Sample Matrix | ✓ | | |
| f. Unique Identification & Labeling System for the Samples | ✓ | | |
| 2. Verify the condition of samples received including: | Yes | No | N/A |
| a. Custody Seals (for Criminal Enforcement Samples) | | | ✓ |
| b. Adequate Sample Volume | ✓ | | |
| c. Appropriate Sample Containers | ✓ | | |
| d. No Signs of Damage or Contamination | ✓ | | |
| e. Proper Preservation and Holding Times? | ✓ | | |
| f. Labels Water Resistant with Indelible Ink | ✓ | | |
| 3. Verify shipping documents signed and dated. | Yes | No | N/A |
| a. Were Shipping Documents Properly Signed and Dated? | | | ✓ |
| 4. Record Internal Temperature of ALL Coolers (incl. Hand Delivered) | Temperature (°C) | Hand Delivered? | |
| a. Cooler/Shipping labels ID: <u>Drop-off #1</u> | <u>40</u> | <u>Y</u> or N | |
| b. Cooler/Shipping labels ID: | | Y or N | |
| c. Cooler/Shipping labels ID: | | Y or N | |
| d. Cooler/Shipping labels ID: | | Y or N | |
| e. Cooler/Shipping labels ID: | | Y or N | |
| If temperature not within limits for all overnight shipments (0 °C - 6 °C) OR samples hand delivered WITHOUT evidence of chilling started (i.e. ice, ice packs, dry ice, etc) record the temperature and ID of each sample on the Temperature Excursion Table located on the back of this form | | Comments: | |

Signature: Michelle J. PeñaDate: 9/14/2011



U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03414 | 2 A TAL Metals (Soil) | () | 7/18/2011 | 11:10 |
| AN03415 | () | () | 7/18/2011 | 11:15 |
| AN03416 | () | () | 7/18/2011 | 11:05 |
| AN03417 | () | () | 7/18/2011 | 11:00 |
| AN03418 | () | () | 7/18/2011 | 11:55 |
| AN03419 | () | () | 7/18/2011 | 12:05 |
| AN03420 | () | () | 7/18/2011 | 10:25 |
| AN03421 | () | () | 7/18/2011 | 12:40 |
| AN03422 | () | () | 7/18/2011 | 12:45 |
| AN03423 | () | () | 7/18/2011 | 12:50 |
| AN03424 | () | () | 7/18/2011 | 12:55 |
| AN03425 | () | () | 7/18/2011 | 10:05 |
| AN03426 | () | () | 7/18/2011 | 13:10 |
| AN03427 | () | () | 7/18/2011 | 13:15 |
| AN03428 | () | () | 7/18/2011 | 13:40 |
| AN03429 | () | () | 7/18/2011 | 09:45 |
| AN03430 | () | () | 7/18/2011 | 09:50 |
| AN03431 | () | () | 7/18/2011 | 14:05 |
| AN03432 | () | () | 7/18/2011 | 14:10 |
| AN03433 | () | () | 7/18/2011 | 09:30 |
| AN03434 | () | () | 7/18/2011 | 11:10 |
| AN03435 | 1 TAL Metals (Ag) | () | 7/19/2011 | 15:00 |

Relinquished by:
Affiliation: ESAT

Gary Lisch

Received by:
Affiliation: ESAT
Time (24hr clock):

R. R. R. R.

1600

Date: 7/28/11

U.S. Environmental Protection Agency
Region 2 Laboratory

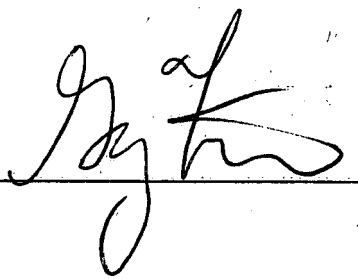
INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03623 | A 1 Metals TAL | () | 8/11/2011 | 10:00 |
| AN03624 | A 1 | () | 8/11/2011 | 08:55 |
| AN03625 | A 1 | () | 8/11/2011 | 12:45 |

Relinquished by: 
Affiliation: ESATReceived by: 

Affiliation: ESAT

Time (24hr clock): 1400

Date: 08/12/11

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03572 | A (1) Metals TAL | () | 8/2/2011 | 11:05 |
| AN03573 | (1) | () | 8/2/2011 | 11:15 |
| AN03574 | (1) | () | 8/2/2011 | 11:20 |
| AN03575 | (1) M8-9-11 | () | 8/2/2011 | 10:30 |
| AN03576 | (1) | () | 8/2/2011 | 10:15 |
| AN03577 | (1) | () | 8/2/2011 | 10:20 |
| AN03578 | (1) | () | 8/2/2011 | 09:00 |
| AN03579 | (1) | () | 8/2/2011 | 09:05 |
| AN03580 | (1) | () | 8/2/2011 | 11:05 |
| AN03581 | (1) | () | 8/2/2011 | 14:45 |
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Relinquished by:
Affiliation: ESAT

Received by:

Affiliation: ESAT

Time (24hr clock):

1300H

Date:

8/8/11

U.S. Environmental Protection Agency
Region 2 Laboratory

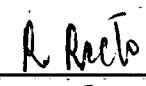
INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03594 | A 1 Metals TAL | () | 8/10/2011 | 12:00 |
| AN03595 | () | () | 8/10/2011 | 12:00 |
| AN03596 | () | () | 8/10/2011 | 12:10 |
| AN03597 | () | () | 8/10/2011 | 12:10 |
| AN03598 | () | () | 8/10/2011 | 12:20 |
| AN03599 | () | () | 8/10/2011 | 12:20 |
| AN03600 | () | () | 8/10/2011 | 12:35 |
| AN03601 | () | () | 8/10/2011 | 12:35 |
| AN03602 | () | () | 8/10/2011 | 12:35 |
| AN03603 | () | () | 8/10/2011 | 12:35 |
| AN03604 | () | () | 8/10/2011 | 12:40 |
| AN03605 | () | () | 8/10/2011 | 12:40 |
| AN03606 | () | () | 8/10/2011 | 13:00 |
| AN03607 | () | () | 8/10/2011 | 13:00 |
| AN03608 | () | () | 8/10/2011 | 13:10 |
| AN03609 | () | () | 8/10/2011 | 13:10 |
| AN03610 | () | () | 8/10/2011 | 13:20 |
| AN03611 | () | () | 8/10/2011 | 13:20 |
| AN03612 | () | () | 8/10/2011 | 13:30 |
| AN03613 | () | () | 8/10/2011 | 13:30 |
| AN03614 | () | () | 8/10/2011 | 13:45 |
| AN03615 | () | () | 8/10/2011 | 13:45 |
| AN03616 | () | () | 8/10/2011 | 14:05 |
| AN03617 | () | () | 8/10/2011 | 14:05 |
| AN03618 | () | () | 8/10/2011 | 14:15 |
| AN03619 | () | () | 8/10/2011 | 14:15 |

Relinquished by: 
Affiliation: ESATReceived by: 
Affiliation: ESAT
Time (24hr clock): 1715

Date: 8/11/11



INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03620 | 1 Metals TAL | () | 8/10/2011 | 10:55 |
| AN03621 | () | () | 8/10/2011 | 11:35 |
| AN03622 | () | () | 8/10/2011 | 11:00 |
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Relinquished by:
Affiliation: ESATReceived by:
Affiliation: ESAT
Time (24hr clock):

1715

Date: 8/11/11



INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03637 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 11:40 |
| AN03638 | (1) TAL Metals - Total | (1) | 9/13/2011 | 11:20 |
| AN03639 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 11:50 |
| AN03640 | (1) TAL Metals - Total | (1) | 9/13/2011 | 11:30 |
| AN03641 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 10:00 |
| AN03642 | (1) TAL Metals - Total | (1) | 9/13/2011 | 09:30 |
| AN03643 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 09:35 |
| AN03644 | (1) TAL Metals - Total | (1) | 9/13/2011 | 09:22 |
| AN03645 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 15:45 |
| AN03646 | (1) TAL Metals - Total | (1) | 9/13/2011 | 15:20 |
| AN03647 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 15:50 |
| AN03648 | (1) TAL Metals - Total | (1) | 9/13/2011 | 15:25 |
| AN03649 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 17:20 |
| AN03650 | (1) TAL Metals - Total | (1) | 9/13/2011 | 16:55 |
| AN03651 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 17:14 |
| AN03652 | (1) TAL Metals - Total | (1) | 9/13/2011 | 17:02 |
| AN03653 | (1) TAL Metals - Total | (1) | 9/13/2011 | 09:00 |
| AN03654 | (1) TAL Metals - Total | (1) | 9/13/2011 | 12:30 |
| AN03655 | (1) TAL Metals - Total | (1) | 9/13/2011 | 09:30 |
| AN03656 | (1) TAL Metals - Dissolved | (1) | 9/13/2011 | 10:00 |
| AN03657 | (1) TAL Metals & Hg, % solid | (1) % solid | 9/13/2011 | 15:15 |
| AN03658 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |
| AN03659 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |
| AN03660 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |
| AN03661 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |
| AN03662 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |

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Relinquished by: Eric McElroy 9/14/2011
Affiliation: ESATReceived by: _____
Affiliation: ESAT
Time (24hr clock): _____ Date: _____



INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03663 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |
| AN03664 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |
| AN03665 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 15:15 |
| AN03666 | (1) TAL Metals, Hg, % solid | (1) | 9/13/2011 | 14:00 |
| AN03667 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 14:00 |
| AN03668 | (1) | (1) | 9/13/2011 | 14:00 |
| AN03669 | (1) | (1) | 9/13/2011 | 14:00 |
| AN03670 | (1) | (1) | 9/13/2011 | 14:00 |
| AN03671 | (1) | (1) | 9/13/2011 | 14:00 |
| AN03672 | (1) | (1) | 9/13/2011 | 14:00 |
| AN03673 | (1) | (1) | 9/13/2011 | 14:00 |
| AN03674 | (1) | (1) | 9/13/2011 | 14:00 |
| AN03675 | (1) TAL Metals, Hg, % solid | (1) | 9/13/2011 | 12:50 |
| AN03676 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 12:50 |
| AN03677 | (1) | (1) | 9/13/2011 | 12:50 |
| AN03678 | (1) | (1) | 9/13/2011 | 12:50 |
| AN03679 | (1) | (1) | 9/13/2011 | 12:50 |
| AN03680 | (1) | (1) | 9/13/2011 | 12:50 |
| AN03681 | (1) | (1) | 9/13/2011 | 12:50 |
| AN03682 | (1) | (1) | 9/13/2011 | 12:50 |
| AN03683 | (1) | (1) | 9/13/2011 | 12:50 |
| AN03684 | (1) TAL Metals, Hg, % solid | (1) | 9/13/2011 | 13:30 |
| AN03685 | (1) TAL Metals, % solid | (1) | 9/13/2011 | 13:30 |
| AN03686 | (1) | (1) | 9/13/2011 | 13:30 |
| AN03687 | (1) | (1) | 9/13/2011 | 13:30 |
| AN03688 | (1) | (1) | 9/13/2011 | 13:30 |

Relinquished by: Erica M. Kelly 9/14/2011
Affiliation: ESATReceived by: _____
Affiliation: ESAT
Time (24hr clock): _____ Date: _____

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

| Sample ID | (#Containers)/Analysis Description | (#Containers)/Analysis Description | Coll Date | Coll Time |
|-----------|------------------------------------|------------------------------------|-----------|-----------|
| AN03689 | (1) TAL Metals, % solid | () | 9/13/2011 | 13:30 |
| AN03690 | (1) | () | 9/13/2011 | 13:30 |
| AN03691 | (1) | () | 9/13/2011 | 13:30 |
| AN03692 | (1) | () | 9/13/2011 | 13:30 |
| AN03693 | (1) TAL Metals, Hg, % solid | () | 9/13/2011 | 15:15 |
| AN03694 | (1) TAL Metals, % solid | () | 9/13/2011 | 15:15 |
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Relinquished by:
Affiliation: ESAT*Erin McNelly* 9/14/2011Received by: _____
Affiliation: ESAT
Time (24hr clock): _____ Date: _____

Sample Receipt

U.S. EPA - Region II Laboratory - NJ

Sample I.D. AN03572

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 08/02/2011 ✓

Lab submittal date: 08/08/2011

Due date: 09/10/2011

Purchase order number: _____

Field_Station_ID 138-080211-0005 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA ✓

Project_Leader CHERYL HAWKINS

Matrix Soil ✓

No_Containers 1 ✓

Permit_Site_ID _____

Project Number: 11070033

Collection time: 11:05 ✓

Lab submittal time: 11:11

PROGRAM: Y206E

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample I.D. AN03573

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 08/02/2011

Lab submittal date: 08/08/2011

Due date: 09/10/2011

Purchase order number: _____

Field_Station_ID 138-080211-0010 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Soil ✓

No_Containers 1 ✓

Permit_Site_ID _____

Project Number: 11070033

Collection time: 11:15 ✓

Lab submittal time: 11:11

PROGRAM: Y206E

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample Receipt Page 2

Sample I.D. AN03574

Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/02/2011**
Lab submittal date: **08/08/2011**
Due date: **09/10/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **11:20** ✓
Lab submittal time: **11:11**

PROGRAM: **Y206E**

Field_Station_ID **138-080211-0015**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Soil**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample I.D. AN03575

Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/02/2011**
Lab submittal date: **08/08/2011**
Due date: **09/10/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **10:30** ✓
Lab submittal time: **11:11**

PROGRAM: **Y206E**

Field_Station_ID **138-080211-0020**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Soil**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample I.D. AN03576

Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/02/2011**
Lab submittal date: **08/08/2011**
Due date: **09/10/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **10:15** ✓
Lab submittal time: **11:11**

PROGRAM: **Y206E**

Sample Receipt Page 3

Sample I.D. AN03576 (continued):

Field_Station_ID **138-080211-0025**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Soil**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample I.D. AN03577

Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/02/2011**
Lab submittal date: **08/08/2011**
Due date: **09/10/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **10:20** ✓
Lab submittal time: **11:11**

PROGRAM: **Y206E**

Field_Station_ID **138-080211-0030**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Soil**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample I.D. AN03578

Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/02/2011**
Lab submittal date: **08/08/2011**
Due date: **09/10/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **09:00** ✓
Lab submittal time: **11:11**

PROGRAM: **Y206E**

Field_Station_ID **138-080211-0035**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**

Sample Receipt Page 4

Sample I.D. AN03578 (continued):

Matrix **Soil**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample I.D. AN03579

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/02/2011**

Lab submittal date: **08/08/2011**

Due date: **09/10/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **09:05**

Lab submittal time: **11:11**

PROGRAM: **Y206E**

Field_Station_ID **138-080211-0040**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Soil**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012
01/29/2012

Sample I.D. AN03580

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/02/2011**

Lab submittal date: **08/08/2011**

Due date: **09/10/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **11:05**

Lab submittal time: **11:11**

PROGRAM: **Y206E**

Field_Station_ID **138-080211-0041**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Soil**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS

Method

C-116

Due Date

01/29/2012

Sample Receipt Page 5

Sample I.D. AN03580 (continued):

Analyses ordered

METALS TAL ICP AQUEOUS
SOLIDS 105degC non-reportable

Method

C-109

Due Date

01/29/2012
01/29/2012

Sample I.D. AN03581

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/02/2011**

Lab submittal date: **08/08/2011**

Due date: **09/10/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **14:45** ✓

Lab submittal time: **11:11**

PROGRAM: **Y206E**

Field_Station_ID **138-080211-0042**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous** ✓

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

01/29/2012
01/29/2012

Please refer to the indicated sample I.D. numbers when making inquiries.

Received by: _____

Michelle Peña

Sample Receipt

U.S. EPA - Region II Laboratory - NJ

Sample I.D. AN03623
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/11/2011
Lab submittal date: 08/11/2011
Due date: 09/13/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 10:00
Lab submittal time: 17:01

PROGRAM: Y206E

Field_Station_ID 138-081011-0001
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

02/07/2012

02/07/2012

02/07/2012

Sample I.D. AN03624
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/11/2011
Lab submittal date: 08/11/2011
Due date: 09/13/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 08:55
Lab submittal time: 17:01

PROGRAM: Y206E

Field_Station_ID 138-081111-0001
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

02/07/2012

02/07/2012

02/07/2012

Sample Receipt Page 2

Sample I.D. AN03625

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 08/11/2011

Lab submittal date: 08/11/2011

Due date: 09/13/2011

Purchase order number: _____

Project Number: 11070033

Collection time: 12:45

Lab submittal time: 17:01

PROGRAM: Y206E

Field_Station_ID 138-081111-0002

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Soil

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

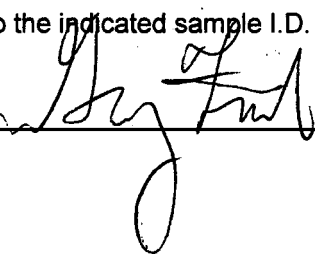
02/07/2012

02/07/2012

02/07/2012

Please refer to the indicated sample I.D. numbers when making inquiries.

Received by: _____



Sample Receipt

U.S. EPA - Region II Laboratory - NJ

Sample I.D. AN03594

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/10/2011**

Lab submittal date: **08/10/2011**

Due date: **09/12/2011**

Purchase order number: _____

Field_Station_ID **138-081011-0002**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**

Collection time: **12:00** ✓

Lab submittal time: **17:25**

PROGRAM: **Y206E**

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03595

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/10/2011**

Lab submittal date: **08/10/2011**

Due date: **09/12/2011**

Purchase order number: _____

Field_Station_ID **138-081011-0003**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**

Collection time: **12:00** ✓

Lab submittal time: **17:25**

PROGRAM: **Y206E**

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03596

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/10/2011**

Lab submittal date: **08/10/2011**

Due date: **09/12/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **12:10** ✓

Lab submittal time: **17:25**

PROGRAM: **Y206E**

Sample Receipt Page 2

Sample I.D. AN03596 (continued):

Field_Station_ID **138-081011-0004**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Aqueous**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03597

Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/10/2011**
Lab submittal date: **08/10/2011**
Due date: **09/12/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **12:10** ✓
Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0005**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Aqueous**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03598

Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/10/2011**
Lab submittal date: **08/10/2011**
Due date: **09/12/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **12:20** ✓
Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0006**
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Aqueous**
No_Containers **1**

Sample Receipt Page 3

Sample I.D. AN03598 (continued):

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03599 ✓

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/10/2011**

Lab submittal date: **08/10/2011**

Due date: **09/12/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **12:20** ✓

Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0007**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03600 ✓

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/10/2011**

Lab submittal date: **08/10/2011**

Due date: **09/12/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **12:35** ✓

Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0008**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample Receipt Page 4

Sample I.D. AN03601 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:35 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0009
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03602 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:35 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0010
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03603 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:35 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Sample I.D. AN03603 (continued):

Field_Station_ID 138-081011-0011
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03604

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:40 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0012 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03605 ✓

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:40 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0013 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1

Sample Receipt Page 6

Sample I.D. AN03605 (continued):

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03606 ✓
Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/10/2011**
Lab submittal date: **08/10/2011**
Due date: **09/12/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **13:00** ✓
Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0014** ✓
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Aqueous**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03607 ✓
Location code **ES_ESATPROJ**
Survey Name **JEWETT WHITE LEAD**
Sample collector **CHERYL HAWKINS**
Collection date: **08/10/2011**
Lab submittal date: **08/10/2011**
Due date: **09/12/2011**
Purchase order number: _____

Project Number: **11070033**

Collection time: **13:00** ✓
Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0015** ✓
GROUP_OWNER **ESAT**
Crim_Enforcement **No**
Sampling_Org **US EPA**
Project_Leader **CHERYL HAWKINS**
Matrix **Aqueous**
No_Containers **1**
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03608 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Field_Station_ID 138-081011-0016 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered
METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Project Number: 11070033

Collection time: 13:10 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

| Method | Due Date |
|--------|------------|
| C-116 | 02/06/2012 |
| C-109 | 02/06/2012 |

Sample I.D. AN03609 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Field_Station_ID 138-081011-0017 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered
METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Project Number: 11070033

Collection time: 13:10 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

| Method | Due Date |
|--------|------------|
| C-116 | 02/06/2012 |
| C-109 | 02/06/2012 |

Sample I.D. AN03610 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:20 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Sample Receipt Page 8**Sample I.D. AN03610 (continued):**

Field_Station_ID 138-081011-0018 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03611 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:20 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0019 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03612 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:30 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0020 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1

Sample I.D. AN03612 (continued):

Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|------------------------------|--------|------------|
| METALS PREP DIGIBLOC AQUEOUS | C-116 | 02/06/2012 |
| METALS TAL ICP AQUEOUS | C-109 | 02/06/2012 |

Sample I.D. AN03613 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:30 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0021 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|------------------------------|--------|------------|
| METALS PREP DIGIBLOC AQUEOUS | C-116 | 02/06/2012 |
| METALS TAL ICP AQUEOUS | C-109 | 02/06/2012 |

Sample I.D. AN03614 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:45 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0022 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|------------------------------|--------|------------|
| METALS PREP DIGIBLOC AQUEOUS | C-116 | 02/06/2012 |
| METALS TAL ICP AQUEOUS | C-109 | 02/06/2012 |

Sample I.D. AN03615 ✓

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 08/10/2011

Lab submittal date: 08/10/2011

Due date: 09/12/2011

Purchase order number: _____

Field_Station_ID 138-081011-0023 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Aqueous

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Project Number: 11070033

Collection time: 13:45 ✓

Lab submittal time: 17:25

PROGRAM: Y206E

Method

Due Date

C-116

02/06/2012

C-109

02/06/2012

Sample I.D. AN03616 ✓

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 08/10/2011

Lab submittal date: 08/10/2011

Due date: 09/12/2011

Purchase order number: _____

Field_Station_ID 138-081011-0024 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Aqueous

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Project Number: 11070033

Collection time: 14:05 ✓

Lab submittal time: 17:25

PROGRAM: Y206E

Method

Due Date

C-116

02/06/2012

C-109

02/06/2012

Sample I.D. AN03617 ✓

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 08/10/2011

Lab submittal date: 08/10/2011

Due date: 09/12/2011

Purchase order number: _____

Project Number: 11070033

Collection time: 14:05 ✓

Lab submittal time: 17:25

PROGRAM: Y206E

Sample I.D. AN03617 (continued):

Field_Station_ID 138-081011-0025 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03618 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 14:15 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0026 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03619 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 14:15 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0027 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1

Sample Receipt Page 12

Sample I.D. AN03619 (continued):

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03620 ✓

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/10/2011**

Lab submittal date: **08/10/2011**

Due date: **09/12/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **10:55** ✓

Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0028**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN03621 ✓

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **08/10/2011**

Lab submittal date: **08/10/2011**

Due date: **09/12/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **11:35** ✓

Lab submittal time: **17:25**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0029**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

02/06/2012
02/06/2012

Sample I.D. AN036224 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 08/10/2011
Lab submittal date: 08/10/2011
Due date: 09/12/2011
Purchase order number: _____

Project Number: 11070033 ✓

Collection time: 11:00 ✓
Lab submittal time: 17:25

PROGRAM: Y206E

Field_Station_ID 138-081011-0030
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|------------------------------|--------|------------|
| METALS PREP DIGIBLOC AQUEOUS | C-116 | 02/06/2012 |
| METALS TAL ICP AQUEOUS | C-109 | 02/06/2012 |

Please refer to the indicated sample I.D. numbers when making inquiries.

Received by: Greg Lisch

Sample Receipt

U.S. EPA - Region II Laboratory - NJ

Sample I.D. AN03414 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 11:10 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0005 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID
FINAL REPORT REVIEW BY ESAT
FINAL REPORT MANAGEMENT REVIEW BY EPA
TOPO REVIEW ESAT METALS

Method

C-116

C-109

QMP

QMP

Due Date

01/14/2012

01/14/2012

01/14/2012

03/24/2012

08/22/2011

02/03/2012

Sample I.D. AN03415
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____ ✓

Project Number: 11070033

Collection time: 11:15 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0010 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

01/14/2012

01/14/2012

01/14/2012

Sample Receipt Page 2

Sample I.D. AN03416

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **07/18/2011**

Lab submittal date: **07/26/2011**

Due date: **08/28/2011**

Purchase order number: _____

Field_Station_ID **138-071811-0011**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Soil**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Project Number: **11070033**

Collection time: **11:05**

Lab submittal time: **10:21**

PROGRAM: **Y206E**

Method

Due Date

C-116

01/14/2012

01/14/2012

C-109

01/14/2012

Sample I.D. AN03417

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **07/18/2011**

Lab submittal date: **07/26/2011**

Due date: **08/28/2011**

Purchase order number: _____

Field_Station_ID **138-071811-0016**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Soil**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Project Number: **11070033**

Collection time: **11:00**

Lab submittal time: **10:21**

PROGRAM: **Y206E**

Method

Due Date

C-116

01/14/2012

01/14/2012

C-109

01/14/2012

Sample I.D. AN03418

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **07/18/2011**

Lab submittal date: **07/26/2011**

Due date: **08/28/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **11:55**

Lab submittal time: **10:21**

PROGRAM: **Y206E**

Sample Receipt Page 3

Sample I.D. AN03418 (continued):

Field_Station_ID 138-071811-0021 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116
C-109

Due Date

01/14/2012
01/14/2012
01/14/2012

Sample I.D. AN03419 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:05 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0026
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116
C-109

Due Date

01/14/2012
01/14/2012
01/14/2012

Sample I.D. AN03420 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 10:25 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0031
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS

Sample Receipt Page 4

Sample I.D. AN03420 (continued):

Matrix Soil

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

Due Date

C-116

01/14/2012

01/14/2012

C-109

01/14/2012

Sample I.D. AN03421 ✓

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 07/18/2011

Lab submittal date: 07/26/2011

Due date: 08/28/2011

Purchase order number: _____

Field_Station_ID 138-071811-0036

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Soil

No_Containers 1

Permit_Site_ID _____

Project Number: 11070033 ✓

Collection time: 12:40 ✓

Lab submittal time: 10:21

PROGRAM: Y206E

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

Due Date

C-116

01/14/2012

01/14/2012

C-109

01/14/2012

Sample I.D. AN03422 ✓

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 07/18/2011

Lab submittal date: 07/26/2011

Due date: 08/28/2011

Purchase order number: _____

Field_Station_ID 138-071811-0041

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Soil

No_Containers 1

Permit_Site_ID _____

Project Number: 11070033

Collection time: 12:45 ✓

Lab submittal time: 10:21

PROGRAM: Y206E

Analyses ordered

METALS PREP DIGIBLOC SOLID

Method

Due Date

C-116

01/14/2012

Sample I.D. AN03422 (continued):

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample I.D. AN03423 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033 ✓

Collection time: 12:50 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0046
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 01/14/2012 |
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample I.D. AN03424 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:55 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0051
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 01/14/2012 |
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample Receipt Page 6

Sample I.D. AN03425

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **07/18/2011**

Lab submittal date: **07/26/2011**

Due date: **08/28/2011**

Purchase order number: _____

Field_Station_ID **138-071811-0056**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Soil**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Project Number: **11070033**

Collection time: **10:05**

Lab submittal time: **10:21**

PROGRAM: **Y206E**

Method

Due Date

C-116

01/14/2012

01/14/2012

C-109

01/14/2012

Sample I.D. AN03426

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **07/18/2011**

Lab submittal date: **07/26/2011**

Due date: **08/28/2011**

Purchase order number: _____

Field_Station_ID **138-071811-0061**

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Soil**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Project Number: **11070033**

Collection time: **13:10**

Lab submittal time: **10:21**

PROGRAM: **Y206E**

Method

Due Date

C-116

01/14/2012

01/14/2012

C-109

01/14/2012

Sample I.D. AN03427

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHERYL HAWKINS**

Collection date: **07/18/2011**

Lab submittal date: **07/26/2011**

Due date: **08/28/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **13:15**

Lab submittal time: **10:21**

PROGRAM: **Y206E**

Sample Receipt Page 7

Sample I.D. AN03427 (continued):

Field_Station_ID 138-071811-0066
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 01/14/2012 |
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample I.D. AN03428 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:40 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0071 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 01/14/2012 |
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample I.D. AN03429 ✓
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 09:45 ✓
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0076 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS

Sample Receipt Page 8**Sample I.D. AN03429 (continued):**Matrix **Soil**No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

01/14/2012

01/14/2012

01/14/2012

Sample I.D. AN03430Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHERYL HAWKINS**Collection date: **07/18/2011**Lab submittal date: **07/26/2011**Due date: **08/28/2011**

Purchase order number: _____

Project Number: **11070033**Collection time: **09:50**Lab submittal time: **10:21**PROGRAM: **Y206E**Field_Station_ID **138-071811-0080**GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Soil**No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

01/14/2012

01/14/2012

01/14/2012

Sample I.D. AN03431Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHERYL HAWKINS**Collection date: **07/18/2011**Lab submittal date: **07/26/2011**Due date: **08/28/2011**

Purchase order number: _____

Project Number: **11070033**Collection time: **14:05**Lab submittal time: **10:21**PROGRAM: **Y206E**Field_Station_ID **138-071811-0086**GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Soil**No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

Method

C-116

Due Date

01/14/2012

Sample I.D. AN03431 (continued):

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample I.D. AN03432
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 14:10
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0090
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 01/14/2012 |
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample I.D. AN03433
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHERYL HAWKINS
Collection date: 07/18/2011
Lab submittal date: 07/26/2011
Due date: 08/28/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 09:30
Lab submittal time: 10:21

PROGRAM: Y206E

Field_Station_ID 138-071811-0096
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Soil
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 01/14/2012 |
| SOLIDS 105degC non-reportable | | 01/14/2012 |
| METALS TAL ICP SOLID | C-109 | 01/14/2012 |

Sample I.D. AN03434

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 07/18/2011

Lab submittal date: 07/26/2011

Due date: 08/28/2011

Purchase order number: _____

Field_Station_ID 138-071811-0100

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Soil

No_Containers 1

Permit_Site_ID _____

Project Number: 11070033

Collection time: 11:10

Lab submittal time: 10:21

PROGRAM: Y206E

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

01/14/2012

01/14/2012

01/14/2012

Sample I.D. AN03435

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHERYL HAWKINS

Collection date: 07/19/2011

Lab submittal date: 07/26/2011

Due date: 08/28/2011

Purchase order number: _____

Field_Station_ID 138-071811-0101

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Aqueous

No_Containers 1

Permit_Site_ID _____

Project Number: 11070033

Collection time: 15:00

Lab submittal time: 10:21

PROGRAM: Y206E

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS

METALS TAL ICP AQUEOUS

Method

C-116

C-109

Due Date

01/15/2012

01/15/2012

Please refer to the indicated sample I.D. numbers when making inquiries.

Received by: Gay Lisk

Sample Receipt

U.S. EPA - Region II Laboratory - NJ

Sample I.D. AN03687

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHRIS GUSSMAN ✓

Collection date: 09/13/2011 ✓

Lab submittal date: 09/14/2011

Due date: 10/17/2011 ✓

Purchase order number: _____

Field_Station_ID 138-081111-0051 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS ✓

Matrix Sediment

No_Containers 1

Permit_Site_ID _____

Project Number: 11070033

Collection time: 13:30 ✓

Lab submittal time: 15:32

PROGRAM: Y206E

Analyses ordered

✓ METALS PREP DIGIBLOC SOLID
✓ SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03688

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHRIS GUSSMAN

Collection date: 09/13/2011

Lab submittal date: 09/14/2011

Due date: 10/17/2011

Purchase order number: _____

Field_Station_ID 138-081111-0052 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Sediment

No_Containers 1

Permit_Site_ID _____

Project Number: 11070033

Collection time: 13:30 ✓

Lab submittal time: 15:32

PROGRAM: Y206E

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample Receipt Page 2

Sample I.D. AN03689

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Field_Station_ID **138-081111-0053** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Sediment**

No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**

Collection time: **13:30** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03690

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Field_Station_ID **138-081111-0054** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Sediment**

No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**

Collection time: **13:30** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03691

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **13:30** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Sample Receipt Page 3

Sample I.D. AN03691 (continued):

Field_Station_ID 138-081111-0055 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012
03/11/2012

Sample I.D. AN03692

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:30 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0056 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012
03/11/2012

Sample I.D. AN03693

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 15:15 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0057 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS

Sample Receipt Page 4

Sample I.D. AN03693 (continued):

Matrix **Sediment**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID
MERCURY PREP SOLID
MERCURY CORRECTION FACTOR SOLID
MERCURY CVAAL UPLOAD SOLID
MERCURY

Method

C-116

C-109

C-110

C-110

C-110

C-110

Due Date

03/11/2012

03/11/2012

03/11/2012

10/11/2011

10/11/2011

10/11/2011

10/11/2011

Sample I.D. AN03694

Location code **ES ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **15:15** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Field_Station_ID **138-081111-0058** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Sediment**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Please refer to the indicated sample I.D. numbers when making inquiries.

Received by: *Eric McNally* *9/14/11*

Sample Receipt

U.S. EPA - Region II Laboratory - NJ

Sample I.D. AN03637
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN ✓
Collection date: 09/13/2011 ✓
Lab submittal date: 09/14/2011
Due date: 10/17/2011 ✓
Purchase order number: _____
Field_Station_ID 138-081011-0031 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS ✓
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Project Number: 11070033

Collection time: 11:40 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Analyses ordered

✓ METALS PREP DIGIBLOC DISSOLVED
METALS TAL ICP DISSOLVED

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03638
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011 ✓
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____
Field_Station_ID 138-081011-0032 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Project Number: 11070033

Collection time: 11:20 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Analyses ordered

✓ METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03639
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011 ✓
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 11:50 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Sample Receipt Page 2

Sample I.D. AN03639 (continued):

Field_Station_ID 138-081011-0033 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC DISSOLVED
METALS TAL ICP DISSOLVED

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03640

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 11:30 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081011-0034 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03641

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011 ✓
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 10:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081011-0035 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1

Sample Receipt Page 3**Sample I.D. AN03641 (continued):**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC DISSOLVED
METALS TAL ICP DISSOLVED

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03642Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHRIS GUSSMAN**Collection date: **09/13/2011**Lab submittal date: **09/14/2011**Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**Collection time: **09:30** ✓Lab submittal time: **15:32**PROGRAM: **Y206E**Field_Station_ID **138-081011-0036** ✓GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Aqueous**No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03643Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHRIS GUSSMAN**Collection date: **09/13/2011**Lab submittal date: **09/14/2011**Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**Collection time: **09:35** ✓Lab submittal time: **15:32**PROGRAM: **Y206E**Field_Station_ID **138-081011-0037** ✓GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Aqueous**No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC DISSOLVED
METALS TAL ICP DISSOLVED

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample Receipt Page 4

Sample I.D. AN03644

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Field_Station_ID **138-081011-0038** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**

Collection time: **09:22** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03645

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Field_Station_ID **138-081011-0039** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**

Collection time: **15:45** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Analyses ordered

METALS PREP DIGIBLOC DISSOLVED
METALS TAL ICP DISSOLVED

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03646

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **15:20** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Sample Receipt Page 5

Sample I.D. AN03646 (continued):

Field_Station_ID 138-081011-0040 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered
METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03647
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 15:50 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081011-0041 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered
METALS PREP DIGIBLOC DISSOLVED
METALS TAL ICP DISSOLVED

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03648
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 15:25 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081011-0042 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1

Sample Receipt Page 6

Sample I.D. AN03648 (continued):

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03649

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011** ✓

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **17:20** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0043** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC DISSOLVED
METALS TAL ICP DISSOLVED

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03650

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **16:55** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Field_Station_ID **138-081011-0044** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Aqueous**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03651
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Field_Station_ID 138-081011-0045 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

| Analyses ordered |
|--------------------------------|
| METALS PREP DIGIBLOC DISSOLVED |
| METALS TAL ICP DISSOLVED |

Project Number: 11070033

Collection time: 17:14 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03652
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Field_Station_ID 138-081011-0046 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

| Analyses ordered |
|------------------------------|
| METALS PREP DIGIBLOC AQUEOUS |
| METALS TAL ICP AQUEOUS |

Project Number: 11070033

Collection time: 17:02 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03653
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 09:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Sample Receipt Page 8

Sample I.D. AN03653 (continued):

Field_Station_ID 138-081011-0047 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03654

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:30
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081011-0048 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC AQUEOUS
METALS TAL ICP AQUEOUS

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03655

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011 ✓
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 09:30 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081011-0050 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1

Sample I.D. AN03655 (continued):

Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|------------------------------|--------|------------|
| METALS PREP DIGIBLOC AQUEOUS | C-116 | 03/11/2012 |
| METALS TAL ICP AQUEOUS | C-109 | 03/11/2012 |

Sample I.D. AN03656
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 10:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081011-0051 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Aqueous
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|----------------------------------|--------|------------|
| ✓ METALS PREP DIGIBLOC DISSOLVED | C-116 | 03/11/2012 |
| METALS TAL ICP DISSOLVED | C-109 | 03/11/2012 |

Sample I.D. AN03657
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 15:15 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0003 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| ✓ METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Added Mercury ELM 9/14/2011

Sample I.D. AN03658

Location code **ES_ESATPROJ**
 Survey Name **JEWETT WHITE LEAD**
 Sample collector **CHRIS GUSSMAN**
 Collection date: **09/13/2011**
 Lab submittal date: **09/14/2011**
 Due date: **10/17/2011**
 Purchase order number: _____

Field_Station_ID **138-081111-0004** ✓
 GROUP_OWNER **ESAT**
 Crim_Enforcement **No**
 Sampling_Org **US EPA**
 Project_Leader **CHERYL HAWKINS**
 Matrix **Sediment**
 No_Containers **1**
 Permit_Site_ID _____

Analyses ordered

 METALS PREP DIGIBLOC SOLID
 SOLIDS 105degC non-reportable
 METALS TAL ICP SOLID

Project Number: **11070033**

Collection time: **15:15** ✓
 Lab submittal time: **15:32**

PROGRAM: **Y206E**

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03659

Location code **ES_ESATPROJ**
 Survey Name **JEWETT WHITE LEAD**
 Sample collector **CHRIS GUSSMAN**
 Collection date: **09/13/2011**
 Lab submittal date: **09/14/2011**
 Due date: **10/17/2011**
 Purchase order number: _____

Field_Station_ID **138-081111-0005** ✓
 GROUP_OWNER **ESAT**
 Crim_Enforcement **No**
 Sampling_Org **US EPA**
 Project_Leader **CHERYL HAWKINS**
 Matrix **Sediment**
 No_Containers **1**
 Permit_Site_ID _____

Analyses ordered

 METALS PREP DIGIBLOC SOLID
 SOLIDS 105degC non-reportable
 METALS TAL ICP SOLID

Project Number: **11070033**

Collection time: **15:15** ✓
 Lab submittal time: **15:32**

PROGRAM: **Y206E**

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03660

Location code **ES_ESATPROJ**
 Survey Name **JEWETT WHITE LEAD**
 Sample collector **CHRIS GUSSMAN**
 Collection date: **09/13/2011**
 Lab submittal date: **09/14/2011**
 Due date: **10/17/2011**
 Purchase order number: _____

Project Number: **11070033**

Collection time: **15:15** ✓
 Lab submittal time: **15:32**

PROGRAM: **Y206E**

Sample I.D. AN03660 (continued):

Field_Station_ID 138-081111-0006 ✓
 GROUP_OWNER ESAT
 Crim_Enforcement No
 Sampling_Org US EPA
 Project_Leader CHERYL HAWKINS
 Matrix Sediment
 No_Containers 1
 Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
 SOLIDS 105degC non-reportable
 METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03661

Location code ES_ESATPROJ
 Survey Name JEWETT WHITE LEAD
 Sample collector CHRIS GUSSMAN
 Collection date: 09/13/2011
 Lab submittal date: 09/14/2011
 Due date: 10/17/2011
 Purchase order number: _____

Project Number: 11070033

Collection time: 15:15

Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0007 ✓
 GROUP_OWNER ESAT
 Crim_Enforcement No
 Sampling_Org US EPA
 Project_Leader CHERYL HAWKINS
 Matrix Sediment
 No_Containers 1
 Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
 SOLIDS 105degC non-reportable
 METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03662

Location code ES_ESATPROJ
 Survey Name JEWETT WHITE LEAD
 Sample collector CHRIS GUSSMAN
 Collection date: 09/13/2011
 Lab submittal date: 09/14/2011
 Due date: 10/17/2011
 Purchase order number: _____

Project Number: 11070033

Collection time: 15:15 ✓

Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0008 ✓
 GROUP_OWNER ESAT
 Crim_Enforcement No
 Sampling_Org US EPA
 Project_Leader CHERYL HAWKINS

Sample Receipt Page 12**Sample I.D. AN03662 (continued):**Matrix **Sediment**No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03663Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHRIS GUSSMAN**Collection date: **09/13/2011**Lab submittal date: **09/14/2011**Due date: **10/17/2011**

Purchase order number: _____

Field_Station_ID **138-081111-0009** ✓GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Sediment**No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**Collection time: **15:15** ✓Lab submittal time: **15:32**PROGRAM: **Y206E****Analyses ordered**

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03664Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHRIS GUSSMAN**Collection date: **09/13/2011**Lab submittal date: **09/14/2011**Due date: **10/17/2011**

Purchase order number: _____

Field_Station_ID **138-081111-0010** ✓GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Sediment**No_Containers **1**

Permit_Site_ID _____

Project Number: **11070033**Collection time: **15:15** ✓Lab submittal time: **15:32**PROGRAM: **Y206E****Analyses ordered**

METALS PREP DIGIBLOC SOLID

Method

C-116

Due Date

03/11/2012

Sample I.D. AN03664 (continued):

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Sample I.D. AN03665
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 15:15 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0011 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Sample I.D. AN03666
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 14:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0030 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|---------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |
| MERCURY PREP SOLID | C-110 | 10/11/2011 |
| MERCURY CORRECTION FACTOR SOLID | C-110 | 10/11/2011 |
| MERCURY CVAA UPLOAD SOLID | C-110 | 10/11/2011 |

Sample Receipt Page 14

Sample I.D. AN03666 (continued):

Analyses ordered

MERCURY

Method

C-110

Due Date

10/11/2011

Sample I.D. AN03667

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **14:00** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Field_Station_ID **138-081111-0031** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Sediment**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03668

Location code **ES_ESATPROJ**

Survey Name **JEWETT WHITE LEAD**

Sample collector **CHRIS GUSSMAN**

Collection date: **09/13/2011**

Lab submittal date: **09/14/2011**

Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**

Collection time: **14:00** ✓

Lab submittal time: **15:32**

PROGRAM: **Y206E**

Field_Station_ID **138-081111-0032** ✓

GROUP_OWNER **ESAT**

Crim_Enforcement **No**

Sampling_Org **US EPA**

Project_Leader **CHERYL HAWKINS**

Matrix **Sediment**

No_Containers **1**

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

SOLIDS 105degC non-reportable

METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03669
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Field_Station_ID 138-081111-0033 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Project Number: 11070033

Collection time: 14:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03670
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Field_Station_ID 138-081111-0034 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Project Number: 11070033

Collection time: 14:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03671
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 14:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Sample Receipt Page 16

Sample I.D. AN03671 (continued):

Field_Station_ID 138-081111-0035 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012
03/11/2012

Sample I.D. AN03672

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 14:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0036 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012
03/11/2012

Sample I.D. AN03673

Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 14:00 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0037 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS

Sample I.D. AN03673 (continued):

Matrix **Sediment**

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03674

Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHRIS GUSSMAN**Collection date: **09/13/2011**Lab submittal date: **09/14/2011**Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**Collection time: **14:00** ✓Lab submittal time: **15:32**PROGRAM: **Y206E**Field_Station_ID **138-081111-0038** ✓GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Sediment**

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03675

Location code **ES_ESATPROJ**Survey Name **JEWETT WHITE LEAD**Sample collector **CHRIS GUSSMAN**Collection date: **09/13/2011**Lab submittal date: **09/14/2011**Due date: **10/17/2011**

Purchase order number: _____

Project Number: **11070033**Collection time: **12:50** ✓Lab submittal time: **15:32**PROGRAM: **Y206E**Field_Station_ID **138-081111-0039** ✓GROUP_OWNER **ESAT**Crim_Enforcement **No**Sampling_Org **US EPA**Project_Leader **CHERYL HAWKINS**Matrix **Sediment**

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID

Method

C-116

Due Date

03/11/2012

Sample I.D. AN03675 (continued):

Analyses ordered

SOLIDS 105degC non-reportable
✓ METALS TAL ICP SOLID
✓ MERCURY PREP SOLID
✓ MERCURY CORRECTION FACTOR SOLID
MERCURY CVAAL UPLOAD SOLID
MERCURY

Method

C-109
C-110
C-110
C-110
C-110
C-110

Due Date

03/11/2012
03/11/2012
10/11/2011
10/11/2011
10/11/2011
10/11/2011

Sample I.D. AN03676

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHRIS GUSSMAN

Collection date: 09/13/2011

Lab submittal date: 09/14/2011

Due date: 10/17/2011

Purchase order number: _____

Project Number: 11070033

Collection time: 12:50 ✓

Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0040 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Sediment

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116
C-109

Due Date

03/11/2012
03/11/2012
03/11/2012

Sample I.D. AN03677

Location code ES_ESATPROJ

Survey Name JEWETT WHITE LEAD

Sample collector CHRIS GUSSMAN

Collection date: 09/13/2011

Lab submittal date: 09/14/2011

Due date: 10/17/2011

Purchase order number: _____

Project Number: 11070033

Collection time: 12:50 ✓

Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0041 ✓

GROUP_OWNER ESAT

Crim_Enforcement No

Sampling_Org US EPA

Project_Leader CHERYL HAWKINS

Matrix Sediment

No_Containers 1

Permit_Site_ID _____

Analyses ordered

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable

Method

C-116

Due Date

03/11/2012
03/11/2012

Sample I.D. AN03677 (continued):

| Analyses ordered | Method | Due Date |
|----------------------|--------|------------|
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Sample I.D. AN03678
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____
Field_Station_ID 138-081111-0042 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Project Number: 11070033

Collection time: 12:50 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Sample I.D. AN03679
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____
Field_Station_ID 138-081111-0043 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

Project Number: 11070033

Collection time: 12:50 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Sample I.D. AN03680

Location code **ES_ESATPROJ**
 Survey Name **JEWETT WHITE LEAD**
 Sample collector **CHRIS GUSSMAN**
 Collection date: **09/13/2011**
 Lab submittal date: **09/14/2011**
 Due date: **10/17/2011**
 Purchase order number: _____

Project Number: **11070033**

Collection time: **12:50** ✓
 Lab submittal time: **15:32**

PROGRAM: **Y206E**

Field_Station_ID **138-081111-0044** ✓
 GROUP_OWNER **ESAT**
 Crim_Enforcement **No**
 Sampling_Org **US EPA**
 Project_Leader **CHERYL HAWKINS**
 Matrix **Sediment**
 No_Containers **1**
 Permit_Site_ID _____

Analyses ordered

 METALS PREP DIGIBLOC SOLID
 SOLIDS 105degC non-reportable
 METALS TAL ICP SOLID

Method

Due Date

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03681

Location code **ES_ESATPROJ**
 Survey Name **JEWETT WHITE LEAD**
 Sample collector **CHRIS GUSSMAN**
 Collection date: **09/13/2011**
 Lab submittal date: **09/14/2011**
 Due date: **10/17/2011**
 Purchase order number: _____

Project Number: **11070033**

Collection time: **12:50** ✓
 Lab submittal time: **15:32**

PROGRAM: **Y206E**

Field_Station_ID **138-081111-0045** ✓
 GROUP_OWNER **ESAT**
 Crim_Enforcement **No**
 Sampling_Org **US EPA**
 Project_Leader **CHERYL HAWKINS**
 Matrix **Sediment**
 No_Containers **1**
 Permit_Site_ID _____

Analyses ordered

 METALS PREP DIGIBLOC SOLID
 SOLIDS 105degC non-reportable
 METALS TAL ICP SOLID

Method

Due Date

| Method | Due Date |
|--------|------------|
| C-116 | 03/11/2012 |
| | 03/11/2012 |
| C-109 | 03/11/2012 |

Sample I.D. AN03682

Location code **ES_ESATPROJ**
 Survey Name **JEWETT WHITE LEAD**
 Sample collector **CHRIS GUSSMAN**
 Collection date: **09/13/2011**
 Lab submittal date: **09/14/2011**
 Due date: **10/17/2011**
 Purchase order number: _____

Project Number: **11070033**

Collection time: **12:50** ✓
 Lab submittal time: **15:32**

PROGRAM: **Y206E**

Sample I.D. AN03682 (continued):

Field_Station_ID 138-081111-0046 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Sample I.D. AN03683
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 12:50 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0047 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS
Matrix Sediment
No_Containers 1
Permit_Site_ID _____

| Analyses ordered | Method | Due Date |
|-------------------------------|--------|------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Sample I.D. AN03684
Location code ES_ESATPROJ
Survey Name JEWETT WHITE LEAD
Sample collector CHRIS GUSSMAN
Collection date: 09/13/2011
Lab submittal date: 09/14/2011
Due date: 10/17/2011
Purchase order number: _____

Project Number: 11070033

Collection time: 13:30 ✓
Lab submittal time: 15:32

PROGRAM: Y206E

Field_Station_ID 138-081111-0048 ✓
GROUP_OWNER ESAT
Crim_Enforcement No
Sampling_Org US EPA
Project_Leader CHERYL HAWKINS

Sample Receipt Page 22**Sample I.D. AN03684 (continued):****Matrix Sediment****No_Containers 1****Permit_Site_ID _____****Analyses ordered**

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID
MERCURY PREP SOLID
MERCURY CORRECTION FACTOR SOLID
MERCURY CVAA UPLOAD SOLID
MERCURY

Method

C-116

C-109

C-110

C-110

C-110

C-110

Due Date

03/11/2012

03/11/2012

03/11/2012

10/11/2011

10/11/2011

10/11/2011

10/11/2011

Sample I.D. AN03685**Location code ES_ESATPROJ****Survey Name JEWETT WHITE LEAD****Sample collector CHRIS GUSSMAN****Collection date: 09/13/2011****Lab submittal date: 09/14/2011****Due date: 10/17/2011****Purchase order number: _____****Project Number: 11070033****Collection time: 13:30 ✓****Lab submittal time: 15:32****PROGRAM: Y206E****Field_Station_ID 138-081111-0049 ✓****GROUP_OWNER ESAT****Crim_Enforcement No****Sampling_Org US EPA****Project_Leader CHERYL HAWKINS****Matrix Sediment****No_Containers 1****Permit_Site_ID _____****Analyses ordered**

METALS PREP DIGIBLOC SOLID
SOLIDS 105degC non-reportable
METALS TAL ICP SOLID

Method

C-116

C-109

Due Date

03/11/2012

03/11/2012

03/11/2012

Sample I.D. AN03686**Location code ES_ESATPROJ****Survey Name JEWETT WHITE LEAD****Sample collector CHRIS GUSSMAN****Collection date: 09/13/2011****Lab submittal date: 09/14/2011****Due date: 10/17/2011****Purchase order number: _____****Project Number: 11070033****Collection time: 13:30 ✓****Lab submittal time: 15:32****PROGRAM: Y206E****Field_Station_ID 138-081111-0050 ✓****GROUP_OWNER ESAT****Crim_Enforcement No****Sampling_Org US EPA****Project_Leader CHERYL HAWKINS****Matrix Sediment****No_Containers 1**

Sample I.D. AN03686 (continued):

Permit_Site_ID _____

| <u>Analyses ordered</u> | <u>Method</u> | <u>Due Date</u> |
|-------------------------------|---------------|-----------------|
| METALS PREP DIGIBLOC SOLID | C-116 | 03/11/2012 |
| SOLIDS 105degC non-reportable | | 03/11/2012 |
| METALS TAL ICP SOLID | C-109 | 03/11/2012 |

Please refer to the indicated sample I.D. numbers whan making inquiries.

Received by: Guinn L. McNally 9/14/2011

10/27/2011

**EPA REGION 2 LABORATORY
OFFICIAL SAMPLE CONTROL AND REPOSITORY**

| Dates/Bin | Project Info | Sample Info | Report Recipient |
|---|---|--|-------------------------------------|
| Date/Time In: 08/08/2011 11:11 AM | Project Name: JEWETT WHITE LEAD | Sample Lab #'s AN03572 thru AN03581 | CHERYL HAWKINS US EPA DESA/LB |
| Report Print Date: 10/14/2011 | Project Number: 11070033 | | |
| Date Out: 10/17/2011 | Project Leader CHERYL HAWKINS Superfund Account #: 11 T 02P 302DC6C A218LA01 | | |
| Bin #: | Decision Unit: Y206E ESAT | # of Samples: 10 | |

Comments:

Samples/Work Distribution/Sample Type

ESAT

Metals(E) METALS TAL ICP SOLID(9 Soil)
METALS TAL ICP AQUEOUS(1 Aqueous)

Customer Service Survey Results

| Category | Ranking |
|----------------|--|
| Planning: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Timeliness: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Quality: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Communication: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |

Follow-Up? ☐ Yes ☒ No

Comments:

| |
|--|
| |
|--|

10/27/2011

**EPA REGION 2 LABORATORY
OFFICIAL SAMPLE CONTROL AND REPOSITORY**

| Dates/Bin | Project Info | Sample Info | Report Recipient |
|---|--|--|-------------------------------------|
| Date/Time In: 07/26/2011 10:21 AM | Project Name: JEWETT WHITE LEAD | Sample Lab #'s AN03414 thru AN03435 | CHERYL HAWKINS US EPA DESA/LB |
| Report Print Date: 10/14/2011 | Project Number: 11070033 | | |
| Date Out: 10/17/2011 | Project Leader: CHERYL HAWKINS Superfund Account #: 11 T 02P 302DC6C A218LA01 | | |
| Bin #: | Decision Unit: Y206E ESAT | # of Samples: 22 | |

Comments:

Samples/Work Distribution/Sample Type

ESAT

Metals(E) METALS TAL ICP SOLID(21 Soil)
METALS TAL ICP AQUEOUS(1 Aqueous)

Customer Service Survey Results

| Category | Ranking | | | | | |
|----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Planning: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |
| Timeliness: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |
| Quality: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |
| Communication: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |

Follow-Up? ☐ Yes ☒ No

Comments:

| |
|--|
| |
|--|

10/27/2011

**EPA REGION 2 LABORATORY
OFFICIAL SAMPLE CONTROL AND REPOSITORY**

| Dates/Bin | Project Info | Sample Info | Report Recipient |
|---|---|--|-------------------------------------|
| Date/Time In: 08/10/2011 05:25 PM | Project Name: JEWETT WHITE LEAD | Sample Lab #'s AN03594 thru AN03622 | CHERYL HAWKINS US EPA DESA/LB |
| Report Print Date: 10/14/2011 | Project Number: 11070033 | | |
| Date Out: 10/17/2011 | Project Leader CHERYL HAWKINS Superfund Account #: 11 T 02P 302DC6C A218LA01 | | |
| Bin #: | Decision Unit: Y206E ESAT | # of Samples: 29 | |

Comments:

Samples/Work Distribution/Sample Type

ESAT

Metals(E) METALS TAL ICP AQUEOUS(29 Aqueous)

Customer Service Survey Results

| Category | Ranking | | | | | |
|----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| Planning: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |
| Timeliness: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |
| Quality: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |
| Communication: | <input type="radio"/> 1 | <input type="radio"/> 2 | <input type="radio"/> 3 | <input type="radio"/> 4 | <input type="radio"/> 5 | <input type="radio"/> NA |

Follow-Up? ☐ Yes ☒ No

Comments:

| |
|--|
| |
|--|

10/27/2011

**EPA REGION 2 LABORATORY
OFFICIAL SAMPLE CONTROL AND REPOSITORY**

| Dates/Bin | Project Info | Sample Info | Report Recipient |
|---|---|--|-------------------------------------|
| Date/Time In: 08/11/2011 05:01 PM | Project Name: JEWETT WHITE LEAD | Sample Lab #'s AN03623 thru AN03625 | CHERYL HAWKINS US EPA DESA/LB |
| Report Print Date: 10/14/2011 | Project Number: 11070033 | | |
| Date Out: 10/17/2011 | Project Leader CHERYL HAWKINS Superfund Account #: 11 T 02P 302DC6C A218LA01 | | |
| Bin #: | Decision Unit: Y206E ESAT | # of Samples: 3 | |

Comments:

Samples/Work Distribution/Sample Type

ESAT

Metals(E) METALS TAL ICP SOLID(3 Soil)

Customer Service Survey Results

| Category | Ranking |
|----------------|--|
| Planning: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Timeliness: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Quality: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Communication: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |

Follow-Up? ☐ Yes ☒ No

Comments:

| |
|--|
| |
|--|

10/27/2011

**EPA REGION 2 LABORATORY
OFFICIAL SAMPLE CONTROL AND REPOSITORY**

| Dates/Bln | Project Info | Sample Info | Report Recipient |
|---|---|--|-------------------------------------|
| Date/Time In: 09/14/2011 03:32 PM | Project Name: JEWETT WHITE LEAD | Sample Lab #'s AN03637 thru AN03694 | CHERYL HAWKINS US EPA DESA/LB |
| Report Print Date: 10/14/2011 | Project Number: 11070033 | | |
| Date Out: 10/17/2011 | Project Leader CHERYL HAWKINS Superfund Account #: 11 T 02P 302DC6C A218LA01 | | |
| Bin #: | Decision Unit: Y206E ESAT | # of Samples: 58 | |

Comments:

Samples/Work Distribution/Sample Type

ESAT

Metals(E) MERCURY(5 Sediment)
 METALS TAL ICP SOLID(38 Sediment)
 METALS TAL ICP AQUEOUS(11 Aqueous)
 METALS TAL ICP DISSOLVED(9 Aqueous)

Customer Service Survey Results

| Category | Ranking |
|----------------|--|
| Planning: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Timeliness: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Quality: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |
| Communication: | <input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 5 <input type="radio"/> NA |

Follow-Up? ☐ Yes ☒ No

Comments:



Fw: Jewett Samples

Ness Tirol to: Michelle Peña, Gary Fisch, Erica McNally
Cc: Roland Recto, FangXiang Xu

08/11/2011 03:12 PM

Please note the sample delivery dates.

~~~~~  
Ness Tirol  
Laboratory Branch, MS 230  
Division of Environmental Science and Assessment  
U. S. EPA Region 2  
2890 Woodbridge Avenue  
Edison, NJ 08837  
phone- (732)321-4431  
fax - (732)906-6165  
~~~~~

—— Forwarded by Ness Tirol/R2/USEPA/US on 08/11/2011 03:11 PM ——

From: CherylA Hawkins/ERT/R2/USEPA/US
To: Ness Tirol/R2/USEPA/US@EPA
Date: 08/11/2011 01:44 PM
Subject: Re: Jewett Samples

Hi Ness,

We delivered 29 water samples to the lab yesterday.

We will be delivering 3 soil samples later today or tomorrow morning. These three soil samples will not be screened by XRF and are coming in 4 oz jars. The lab should determine the percent solid. For one of the samples (138-081111-0002) the sample mass is low, maybe 1/4 of a jar. I apologize but it was all we could recover.

The remaining water and sediment samples (including the few that will require Hg analysis in addition to TAL metals) will be collected in early September.

Thanks,
Cheryl
Ness Tirol

—— Original Message ——

From: Ness Tirol
Sent: 08/05/2011 03:29 PM EDT
To: CherylA Hawkins
Subject: Re: Jewett Samples

Cheryl,

Either way is acceptable. Label the samples as Total (for unfiltered samples) and Dissolved (for filtered samples) if you will be using either one sample number or individually numbered samples as long as the sample description is clear that it is coming from one sampling source. I hope this is clear enough otherwise give me a call. I am off during Mondays.

Have a nice weekend.

Ness
~~~~~

Ness Tirol  
Laboratory Branch, MS 230  
Division of Environmental Science and Assessment  
U. S. EPA Region 2  
2890 Woodbridge Avenue  
Edison, NJ 08837  
phone- (732)321-4431  
fax - (732)906-6165  
~~~~~

CherylA Hawkins Hi Ness, I have a question about the water samp... 08/05/2011 11:30:12 AM

From: CherylA Hawkins/ERT/R2/USEPA/US
To: Ness Tirol/R2/USEPA/US@EPA
Date: 08/05/2011 11:30 AM
Subject: Re: Jewett Samples

Hi Ness,

I have a question about the water samples. We will be submitting filtered and unfiltered samples from each location. CLP requires that we give each sample from the same location a different sample number. Would you prefer we do the same or would it be okay to give the two samples the same sample number but designate the analyses as 'metals' and 'metals - filtered'?

Thanks,
Cheryl

Ness Tirol

----- Original Message -----

From: Ness Tirol
Sent: 08/03/2011 05:23 PM EDT
To: CherylA Hawkins
Subject: Re: Jewett Samples

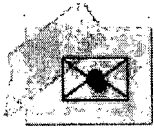
Cheryl,

That would be more than enough. thanks for letting me know.

Ness
~~~~~

Ness Tirol  
Laboratory Branch, MS 230  
Division of Environmental Science and Assessment  
U. S. EPA Region 2  
2890 Woodbridge Avenue  
Edison, NJ 08837  
phone- (732)321-4431  
fax - (732)906-6165  
~~~~~

| | | |
|-----------------|---|------------------------|
| CherylA Hawkins | Thank you Ness. We plan on providing the soil/... | 08/03/2011 05:08:25 PM |
| Ness Tirol | Cheryl, Thank you for advising us of your survey... | 08/03/2011 04:51:42 PM |
| CherylA Hawkins | Hi Ness, We've just finished processing more Je... | 08/03/2011 04:31:35 PM |



John Birri/R2/USEPA/US

07/25/2011 01:24 PM

To oscar.region2@epa.gov

cc

bcc

Subject JEWETT-WHITE SAMPLING DELAYED UNTIL WEEK OF
AUGUST 1

John Birri
US EPA
Region 2 Laboratory
2890 Woodbridge Avenue
Edison, NJ 08837
(732) 906-6886
FAX: (732) 906-6165



CherylA
Hawkins/ERT/R2/USEPA/US
07/19/2011 09:30 AM

To oscar.region2@epa.gov
cc
bcc
Subject Jewett White Lead

Some of the soil samples for Jewett White Lead have been collected. Before submittal to the lab the samples will be dried, sieved and XRF will be performed. We expect that we will likely submit the sample to the lab for ICP-AES on Thursday or Friday of this week. We expect there will be approximately 20 soil samples and one water sample submitted.

More samples for this project will be submitted in the next couple of weeks.

Thank you,
Cheryl A. Hawkins, Ph.D.
US EPA/OSWER/OSRTI/TIFSD
Environmental Response Team
MS 101
2890 Woodbridge Ave. Bldg. 18
Edison, NJ 08837-3679
Phone: (732)321-6717
Cell: (732)687-0487



John Birri/R2/USEPA/US

08/22/2011 01:08 PM

To oscar.region2@epa.gov

cc

bcc

Subject Fw: last set of the Jewett samples

John Birri
US EPA
Region 2 Laboratory
2890 Woodbridge Avenue
Edison, NJ 08837
(732) 906-6886
FAX: (732) 906-6165

—— Forwarded by John Birri/R2/USEPA/US on 08/22/2011 01:08 PM ——

From: Cheryl A Hawkins/ERT/R2/USEPA/US
To: John Birri/R2/USEPA/US@EPA, John Bourbon/R2/USEPA/US@EPA, Ness Tiro/R2/USEPA/US@EPA
Date: 08/17/2011 08:13 AM
Subject: last set of the Jewett samples

Hi,

We will be at Jewett White Lead during August 30th and 31st to collect the last of the samples. We expect to submit the following samples to the lab:

7 sediments for TAL metals + Hg
51 sediments for TAL metals
20 water samples for TAL metals

Thank you,
Cheryl A. Hawkins, Ph.D.
US EPA/OSWER/OSRTI/TIFSD
Environmental Response Team
MS 101
2890 Woodbridge Ave. Bldg. 18
Edison, NJ 08837-3679
Phone: (732)321-6717
Cell: (732)687-0487



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Sample Acceptance Checklist

Work Order: 1108022

Printed: 8/8/2011 11:52:20AM

Client: Environmental Response Team (ERT)

Project: JEWETT WHITE LEAD- 1107036

Project Number: 1107036

Report To:

Environmental Response Team (ERT)

Cheryl Hawkins

2890 Woodbridge Ave Building 209 MS 211

Edison, NJ 08837

Phone: (732) 687-0487

Fax: 0

Program: Environmental Response T

Program Code: Removal

Superfund Account Number: 11 T 02P-302DC6C 02-P3-04

Date Due: 09/10/2011 00:00 (33 day TAT)

Tracking No:

Received By: Erica McNally

Date Received: 08/08/2011 10:55

Logged In By: Erica McNally

Date Logged In: 08/08/2011 11:19

Sample Conditions:

| | | | | | |
|--|-----|---|-----|--|-----|
| Custody Seals (for Crim. Enf. Samples) | No | Proper Preservation and Holding Times? | Yes | Additional Sample comments? | No |
| Adequate Sample Volume | Yes | Labels Water Resistant with Indelible Ink | Yes | Chilling started for hand delivered samples? | Yes |
| Appropriate Sample Containers | Yes | Shipping Documents Properly Signed & Dtd? | No | | |
| No Signs of Damage or Contamination | Yes | COC/Sample Labels agree? | Yes | | |

Default Cooler Temp of 16 C ✓

| Analysis | Analysis Due Date | Hold Time |
|----------|-------------------|-----------|
|----------|-------------------|-----------|

1108022-01 138-080211-0005 [Solid] Sampled 08/02/2011 11:05 Eastern [1 Container]

% Solids 105degC 1/29/2012 12:00:00AM 180

Metals ICP TAL List 1/29/2012 12:00:00AM 180

1108022-02 138-080211-0010 [Solid] Sampled 08/02/2011 11:15 Eastern [1 Container]

% Solids 105degC 1/29/2012 12:00:00AM 180

Metals ICP TAL List 1/29/2012 12:00:00AM 180

1108022-03 138-080211-0015 [Solid] Sampled 08/02/2011 11:20 Eastern [1 Container]

% Solids 105degC 1/29/2012 12:00:00AM 180

Metals ICP TAL List 1/29/2012 12:00:00AM 180

1108022-04 138-080211-0020 [Solid] Sampled 08/02/2011 10:30 Eastern [1 Container]

% Solids 105degC 1/29/2012 12:00:00AM 180

Metals ICP TAL List 1/29/2012 12:00:00AM 180



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Sample Acceptance Checklist

Work Order: 1108022

Printed: 8/8/2011 11:52:20AM

Client: Environmental Response Team (ERT)

Project: JEWETT WHITE LEAD- 1107036

Project Number: 1107036

| Analysis | Analysis Due Date | Hold Time |
|---|----------------------|-----------|
| 1108022-05 138-080211-0025 [Solid] Sampled 08/02/2011 10:15 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/29/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/29/2012 12:00:00AM | 180 |
| 1108022-06 138-080211-0030 [Solid] Sampled 08/02/2011 10:20 Eastern [1 Container] | | |
| % Solids 105degC | 1/29/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/29/2012 12:00:00AM | 180 |
| 1108022-07 138-080211-0035 [Solid] Sampled 08/02/2011 09:00 Eastern [1 Container] | | |
| % Solids 105degC | 1/29/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/29/2012 12:00:00AM | 180 |
| 1108022-08 138-080211-0040 [Solid] Sampled 08/02/2011 09:05 Eastern [1 Container] | | |
| % Solids 105degC | 1/29/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/29/2012 12:00:00AM | 180 |
| 1108022-09 138-080211-0041 [Solid] Sampled 08/02/2011 11:05 Eastern [1 Container] | | |
| % Solids 105degC | 1/29/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/29/2012 12:00:00AM | 180 |
| 1108022-10 138-080211-0042 [Aqueous] Sampled 08/02/2011 14:45 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/29/2012 12:00:00AM | 180 |

Reviewed By

Date



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Sample Acceptance Checklist

Work Order: 1108038

Printed: 8/11/2011 5:17:13PM

Client: Environmental Response Team (ERT)
Project: Jewett White Lead - 1107036

Project Number: 1107036

Report To:

Environmental Response Team (ERT)
Cheryl Hawkins
2890 Woodbridge Ave Building 209 MS 211
Edison, NJ 08837
Phone: (732) 687-0487
Fax: 0

Program: Environmental Response 1
Program Code: Removal
Superfund Account Number: 11 T 02P-302DC6C 02-P3-04

Date Due: 09/13/2011 00:00 (33 day TAT)

Tracking No:

Received By: Michelle Pena

Date Received: 08/11/2011 16:30

Logged In By: Michelle Pena

Date Logged In: 08/11/2011 17:13

Sample Conditions:

| | | | | | |
|---------------------------------------|-----|---|-----|--|-----|
| Custody Seals (for Crim. Enf. Sample) | No | Proper Preservation and Holding Times? | Yes | Additional Sample comments? | No |
| Adequate Sample Volume | Yes | Labels Water Resistant with Indelible Ink | Yes | Chilling started for hand delivered samples? | Yes |
| Appropriate Sample Containers | Yes | Shipping Documents Properly Signed & Dtd? | No | | |
| No Signs of Damage or Contaminatio | Yes | COC/Sample Labels agree? | Yes | | |

Default Cooler Temp of 17 C

| Analysis | Analysis Due Date | Hold Time |
|----------|-------------------|-----------|
|----------|-------------------|-----------|

1108038-01 138-081011-0001 [Solid] Sampled 08/10/2011 10:00 Eastern [1 Container]

| | | |
|-----------------------|---------------------|-----|
| E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
|-----------------------|---------------------|-----|

1108038-02 138-081111-0001 [Solid] Sampled 08/11/2011 08:55 Eastern [1 Container]

| | | |
|-----------------------|---------------------|-----|
| E-Metals ICP TAL List | 2/7/2012 12:00:00AM | 180 |
|-----------------------|---------------------|-----|

1108038-03 138-081111-0002 [Solid] Sampled 08/11/2011 12:45 Eastern [1 Container]

| | | |
|-----------------------|---------------------|-----|
| E-Metals ICP TAL List | 2/7/2012 12:00:00AM | 180 |
|-----------------------|---------------------|-----|

Reviewed By

Date



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Sample Acceptance Checklist

Work Order: 1108031

Printed: 8/10/2011 6:19:20PM

Client: Environmental Response Team (ERT)

Project: Jewett White Lead - 1107036

Project Number: 1107036

Report To:

Environmental Response Team (ERT)

Cheryl Hawkins

2890 Woodbridge Ave Building 209 MS 211

Edison, NJ 08837

Phone: (732) 687-0487

Fax: 0

Program: Environmental Response 1

Program Code: Removal

Superfund Account Number: 11 T 02P-302DC6C 02-P3-04

Date Due: 09/12/2011 00:00 (33 day TAT)

Tracking No:

Received By: Michelle Pena

Date Received: 08/10/2011 17:00

Logged In By: Michelle Pena

Date Logged In: 08/10/2011 17:47

Sample Conditions:

| | | | | | |
|---------------------------------------|-----|---|-----|--|-----|
| Custody Seals (for Crim. Enf. Sample) | No | Proper Preservation and Holding Times? | Yes | Additional Sample comments? | No |
| Adequate Sample Volume | Yes | Labels Water Resistant with Indelible Ink | Yes | Chilling started for hand delivered samples? | Yes |
| Appropriate Sample Containers | Yes | Shipping Documents Properly Signed & Dtd? | No | | |
| No Signs of Damage or Contamination | Yes | COC/Sample Labels agree? | Yes | | |

Default Cooler Temp of 22 C

| Analysis | Analysis Due Date | Hold Time |
|----------|-------------------|-----------|
|----------|-------------------|-----------|

1108031-01 138-081011-0002 [Aqueous] Sampled 08/10/2011 12:00 Eastern [1 Container] ✓

E-Metals ICP TAL List 2/6/2012 12:00:00AM 180

1108031-02 138-081011-0003 [Aqueous] Sampled 08/10/2011 12:00 Eastern [1 Container] ✓

E-Metals ICP TAL List 2/6/2012 12:00:00AM 180

1108031-03 138-081011-0004 [Aqueous] Sampled 08/10/2011 12:10 Eastern [1 Container] ✓

E-Metals ICP TAL List 2/6/2012 12:00:00AM 180

1108031-04 138-081011-0005 [Aqueous] Sampled 08/10/2011 12:10 Eastern [1 Container] ✓

E-Metals ICP TAL List 2/6/2012 12:00:00AM 180

1108031-05 138-081011-0006 [Aqueous] Sampled 08/10/2011 12:20 Eastern [1 Container] ✓

E-Metals ICP TAL List 2/6/2012 12:00:00AM 180



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Sample Acceptance Checklist

Work Order: 1108031

Printed: 8/10/2011 6:19:20PM

Client: Environmental Response Team (ERT)

Project: Jewett White Lead - 1107036

Project Number: 1107036

| Analysis | Analysis Due Date | Hold Time |
|--|---------------------|-----------|
| 1108031-06 138-081011-0007 [Aqueous] Sampled 08/10/2011 12:20 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-07 138-081011-0008 [Aqueous] Sampled 08/10/2011 12:35 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-08 138-081011-0009 [Aqueous] Sampled 08/10/2011 12:35 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-09 138-081011-0010 [Aqueous] Sampled 08/10/2011 12:35 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-10 138-081011-0011 [Aqueous] Sampled 08/10/2011 12:35 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-11 138-081011-0012 [Aqueous] Sampled 08/10/2011 12:40 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-12 138-081011-0013 [Aqueous] Sampled 08/10/2011 12:40 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-13 138-081011-0014 [Aqueous] Sampled 08/10/2011 13:00 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-14 138-081011-0015 [Aqueous] Sampled 08/10/2011 13:00 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-15 138-081011-0016 [Aqueous] Sampled 08/10/2011 13:10 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Sample Acceptance Checklist

Work Order: 1108031

Printed: 8/10/2011 6:19:20PM

Client: Environmental Response Team (ERT)

Project: Jewett White Lead - 1107036

Project Number: 1107036

| Analysis | Analysis Due Date | Hold Time | |
|--|---------------------|-----------|--|
| 1108031-16 138-081011-0017 [Aqueous] Sampled 08/10/2011 13:10 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-17 138-081011-0018 [Aqueous] Sampled 08/10/2011 13:20 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-18 138-081011-0019 [Aqueous] Sampled 08/10/2011 13:20 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-19 138-081011-0020 [Aqueous] Sampled 08/10/2011 13:30 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-20 138-081011-0021 [Aqueous] Sampled 08/10/2011 13:30 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-21 138-081011-0022 [Aqueous] Sampled 08/10/2011 13:45 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-22 138-081011-0023 [Aqueous] Sampled 08/10/2011 13:45 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-23 138-081011-0024 [Aqueous] Sampled 08/10/2011 14:05 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-24 138-081011-0025 [Aqueous] Sampled 08/10/2011 14:05 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |
| 1108031-25 138-081011-0026 [Aqueous] Sampled 08/10/2011 14:15 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 | |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 2 Laboratory

Sample Acceptance Checklist

Work Order: 1108031

Printed: 8/10/2011 6:19:20PM

Client: Environmental Response Team (ERT)

Project: Jewett White Lead - 1107036

Project Number: 1107036

| Analysis | Analysis Due Date | Hold Time |
|--|---------------------|-----------|
| 1108031-26 138-081011-0027 [Aqueous] Sampled 08/10/2011 14:15 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-27 138-081011-0028 [Aqueous] Sampled 08/10/2011 10:55 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-28 138-081011-0029 [Aqueous] Sampled 08/10/2011 11:35 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |
| 1108031-29 138-081011-0030 [Aqueous] Sampled 08/10/2011 11:00 Eastern [1 Container] ✓ E-Metals ICP TAL List | 2/6/2012 12:00:00AM | 180 |

Gay Lish
Reviewed By

8/11/11
Date

1107036

U.S.E.P.A Region 2 Laboratory
Sample Acceptance Checklist

Client: Environmental Response Team (ERT)

Project: JEWETT WHITE LEAD- 1107036

Project Number: 11070036

Report To:

Environmental Response Team (ERT)

Kimberly Staiger

2890 Woodbridge Ave Building 209 MS 211

Edison, NJ 08837

Phone: 732-906-6908

Fax: 0

Program: Environmental Response 1

Program Code: Removal

Superfund Account Number:

11 T 02P-302DC6C 02-P3-04

Date Due: 08/28/2011 00:00 (33 day TAT)

Tracking No:

Received By: Michelle Pena

Date Received: 07/26/2011 09:45

Logged In By: Gary Fisch

Date Logged In: 07/26/2011 11:01

Sample Conditions:

| | | | | | |
|--------------------------------------|-----|---|-----|--|----|
| Custody Seals (for Crim. Enf. Sample | No | Proper Preservation and Holding Times? | Yes | Additional Sample comments? | No |
| Adequate Sample Volume | Yes | Labels Water Resistant with Indelible Ink | Yes | Chilling started for hand delivered samples? | No |
| Appropriate Sample Containers | Yes | Shipping Documents Properly Signed & Dtd? | No | | |
| No Signs of Damage or Contaminatio | Yes | COC/Sample Labels agree? | Yes | | |

Default Cooler Temp of 11 C

| Analysis | Analysis Due Date | Hold Time |
|----------|-------------------|-----------|
|----------|-------------------|-----------|

1107036-01 138-071811-0005 [Solid] Sampled 07/18/2011 11:10 Eastern [1 Container]

Metals ICP TAL List 1/14/2012 12:00:00AM 180

% Solids 105degC 1/14/2012 12:00:00AM 180

1107036-02 138-071811-0010 [Solid] Sampled 07/18/2011 11:15 Eastern [1 Container]

Metals ICP TAL List 1/14/2012 12:00:00AM 180

% Solids 105degC 1/14/2012 12:00:00AM 180

1107036-03 138-071811-0011 [Solid] Sampled 07/18/2011 11:05 Eastern [1 Container]

Metals ICP TAL List 1/14/2012 12:00:00AM 180

% Solids 105degC 1/14/2012 12:00:00AM 180

1107036-04 138-071811-0016 [Solid] Sampled 07/18/2011 11:00 Eastern [1 Container]

% Solids 105degC 1/14/2012 12:00:00AM 180

Metals ICP TAL List 1/14/2012 12:00:00AM 180

WORK ORDER

Printed: 7/26/2011 12:13:17PM

1107036**U.S.E.P.A Region 2 Laboratory
Sample Acceptance Checklist****Client: Environmental Response Team (ERT)****Project: JEWETT WHITE LEAD- 1107036****Project Number: 11070036**

| Analysis | Analysis Due Date | Hold Time |
|--|--------------------------|------------------|
| 1107036-05 138-071811-0021 [Solid] Sampled 07/18/2011 11:55 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-06 138-071811-0026 [Solid] Sampled 07/18/2011 12:05 Eastern [1 Container] | | |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| 1107036-07 138-071811-0031 [Solid] Sampled 07/18/2011 10:25 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-08 138-071811-0036 [Solid] Sampled 07/18/2011 12:40 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-09 138-071811-0041 [Solid] Sampled 07/18/2011 12:45 Eastern [1 Container] | | |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| 1107036-10 138-071811-0046 [Solid] Sampled 07/18/2011 12:50 Eastern [1 Container] | | |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| 1107036-11 138-071811-0051 [Solid] Sampled 07/18/2011 12:55 Eastern [1 Container] | | |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| 1107036-12 138-071811-0056 [Solid] Sampled 07/18/2011 10:05 Eastern [1 Container] | | |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |

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U.S.E.P.A Region 2 Laboratory
Sample Acceptance Checklist

Client: Environmental Response Team (ERT)

Project: JEWETT WHITE LEAD- 1107036

Project Number: 11070036

| Analysis | Analysis Due Date | Hold Time |
|--|----------------------|-----------|
| 1107036-13 138-071811-0061 [Solid] Sampled 07/18/2011 13:10 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-14 138-071811-0066 [Solid] Sampled 07/18/2011 13:15 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-15 138-071811-0071 [Solid] Sampled 07/18/2011 13:40 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-16 138-071811-0076 [Solid] Sampled 07/18/2011 09:45 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-17 138-071811-0080 [Solid] Sampled 07/18/2011 09:50 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-18 138-071811-0086 [Solid] Sampled 07/18/2011 14:05 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-19 138-071811-0090 [Solid] Sampled 07/18/2011 14:10 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-20 138-071811-0096 [Solid] Sampled 07/18/2011 09:30 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |

WORK ORDER

Printed: 7/26/2011 12:13:17PM

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| Analysis | Analysis Due Date | Hold Time |
|--|----------------------|-----------|
| 1107036-21 138-071811-0100 [Solid] Sampled 07/18/2011 11:10 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |
| % Solids 105degC | 1/14/2012 12:00:00AM | 180 |
| 1107036-22 138-071811-0101 [Aqueous] Sampled 07/18/2011 15:00 Eastern [1 Container] | | |
| Metals ICP TAL List | 1/14/2012 12:00:00AM | 180 |

Reviewed By

Date

7/26/2011