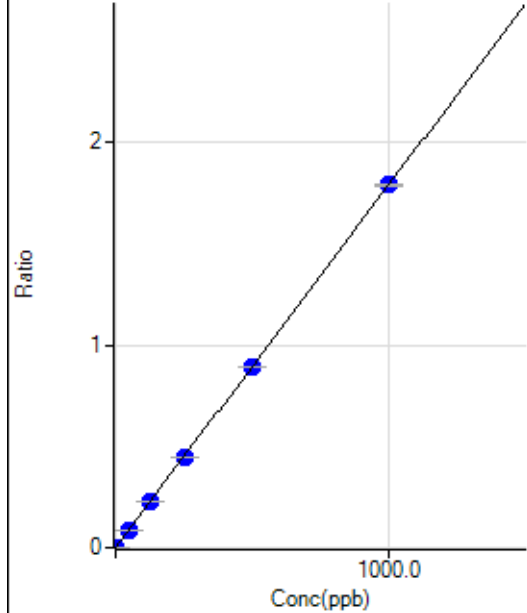


Batch Folder: D:\ICP-MS Data\P7033117 .b\  
Analysis File: P7033117 .batch.bin  
DA Date-Time: 2017-03-31 16:05:08  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB P7033117.D | S00         | 2017-03-31 12:17:23 |
| 2     |                    |             |                     |
| 3     | 005CAL5 P7033117.D | S02         | 2017-03-31 12:24:40 |
| 4     | 006CAL5 P7033117.D | S03         | 2017-03-31 12:28:19 |
| 5     | 007CAL5 P7033117.D | S04         | 2017-03-31 12:31:58 |
| 6     | 008CAL5 P7033117.D | S05         | 2017-03-31 12:35:35 |
| 7     | 009CAL5 P7033117.D | S06         | 2017-03-31 12:39:12 |
| 8     | 010CAL5 P7033117.D | S07         | 2017-03-31 12:42:47 |
| 9     | 011CAL5 P7033117.D | S08         | 2017-03-31 12:46:19 |

**9 Be [No Gas] ISTD:6 Li [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 51.85      | 0.0001 | P    | 22.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.012      | 1266.76    | 0.0019 | P    | 3.5  |
| 4 | <input type="checkbox"/> | 50.000   | 49.905     | 60805.23   | 0.0894 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 126.388    | 151961.95  | 0.2262 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 249.913    | 297603.05  | 0.4473 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 497.901    | 577741.92  | 0.8910 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.902   | 1135207.96 | 1.7911 | P    | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 285.20     | 0.0005 | P    | 24.4 |

$$y = 0.0018 * x + 7.7361E-005$$

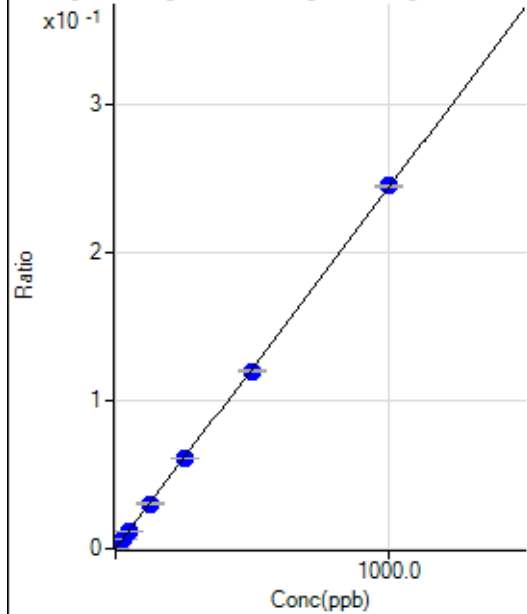
$$R = 1.0000$$

$$DL = 0.02849$$

$$BEC = 0.04323$$

Weight: &lt;None&gt;

Min Conc: 0

**10 B [No Gas] ISTD:6 Li [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 86.11     | 0.0001 | P    | 28.2 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 24.082     | 4025.69   | 0.0060 | P    | 5.0  |
| 4 | <input type="checkbox"/> | 50.000   | 48.081     | 8058.03   | 0.0118 | P    | 5.1  |
| 5 | <input type="checkbox"/> | 125.000  | 122.245    | 20097.39  | 0.0299 | P    | 4.5  |
| 6 | <input type="checkbox"/> | 250.000  | 248.903    | 40452.11  | 0.0608 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 491.331    | 77733.12  | 0.1199 | P    | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.072   | 155348.17 | 0.2451 | P    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 2430.85   | 0.0040 | P    | 6.7  |

$$y = 2.4374E-004 * x + 1.2863E-004$$

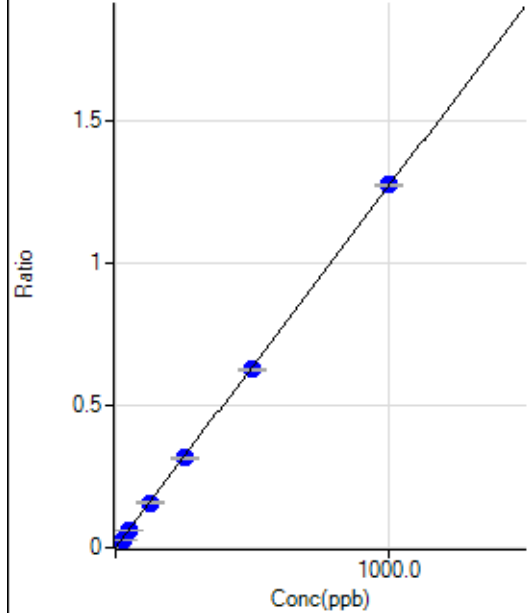
$$R = 0.9999$$

$$DL = 0.4465$$

$$BEC = 0.5277$$

Weight: &lt;None&gt;

Min Conc: 0

**11 B [No Gas] ISTD:6 Li [No Gas]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 413.91    | 0.0006 | P    | 13.3 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 22.466     | 19510.48  | 0.0291 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 50.000   | 48.987     | 42630.31  | 0.0627 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 123.710    | 105661.60 | 0.1573 | P    | 2.5  |
| 6 | <input type="checkbox"/> | 250.000  | 247.555    | 209043.54 | 0.3142 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 493.504    | 405709.53 | 0.6257 | P    | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.135   | 806521.67 | 1.2725 | P    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 12691.92  | 0.0207 | P    | 4.2  |

$$y = 0.0013 * x + 6.1806E-004$$

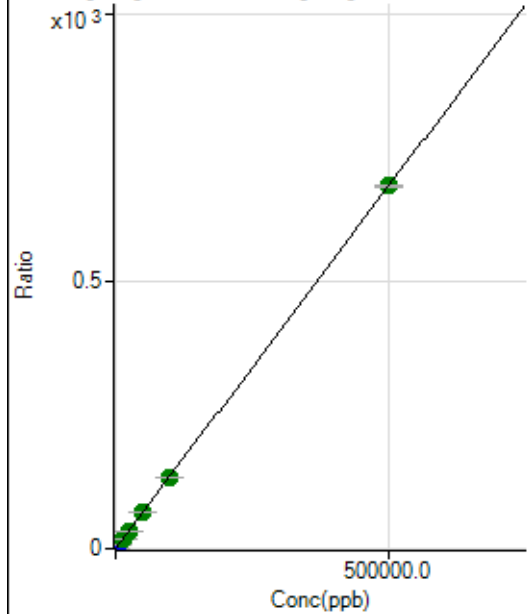
$$R = 1.0000$$

$$DL = 0.1951$$

$$BEC = 0.4879$$

Weight: &lt;None&gt;

Min Conc: 0

**23 Na [He] ISTD:45 Sc [He]**

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 23360.62    | 0.0717   | P    | 3.6 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 505.156    | 248650.05   | 0.7561   | P    | 1.1 |
| 4 | <input type="checkbox"/> | 5000.000  | 4963.393   | 2273642.00  | 6.7965   | P    | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12581.805  | 5666001.43  | 17.1185  | A    | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 25066.774  | 11205694.95 | 34.0342  | A    | 0.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 49826.954  | 21871706.57 | 67.5813  | A    | 0.4 |
| 8 | <input type="checkbox"/> | 100000.00 | 97756.254  | 43260699.23 | 132.5199 | A    | 0.6 |
| 9 | <input type="checkbox"/> | 500000.00 | 500461.03  | 220739129.9 | 678.1377 | A    | 0.4 |

$$y = 0.0014 * x + 0.0717$$

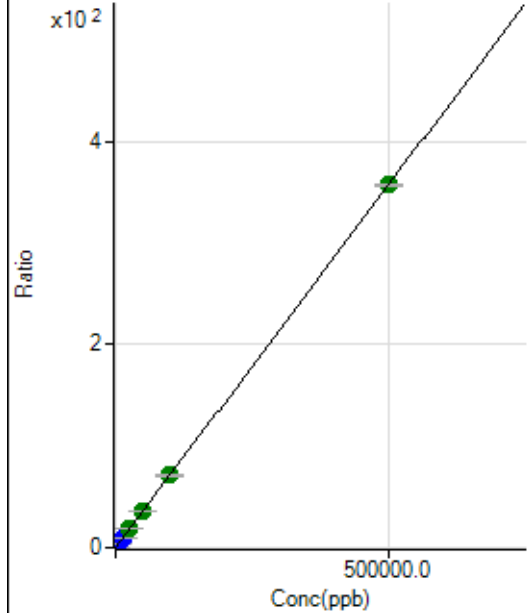
$$R = 1.0000$$

$$DL = 5.783$$

$$BEC = 52.89$$

Weight: &lt;None&gt;

Min Conc: 0

**24 Mg [He] ISTD:45 Sc [He]**

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 213.90      | 0.0007   | P    | 39.8 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 504.131    | 118597.44   | 0.3606   | P    | 0.9  |
| 4 | <input type="checkbox"/> | 5000.000  | 5071.584   | 1211645.63  | 3.6219   | P    | 0.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 12661.184  | 2992413.43  | 9.0411   | P    | 1.0  |
| 6 | <input type="checkbox"/> | 25000.000 | 25625.481  | 6024548.22  | 18.2980  | A    | 0.5  |
| 7 | <input type="checkbox"/> | 50000.000 | 50793.154  | 11737679.34 | 36.2684  | A    | 0.3  |
| 8 | <input type="checkbox"/> | 100000.00 | 99429.400  | 23176951.91 | 70.9960  | A    | 0.4  |
| 9 | <input type="checkbox"/> | 500000.00 | 499998.78  | 116211576.2 | 357.0136 | A    | 0.2  |

$$y = 7.1403\text{E-}004 * x + 6.5572\text{E-}004$$

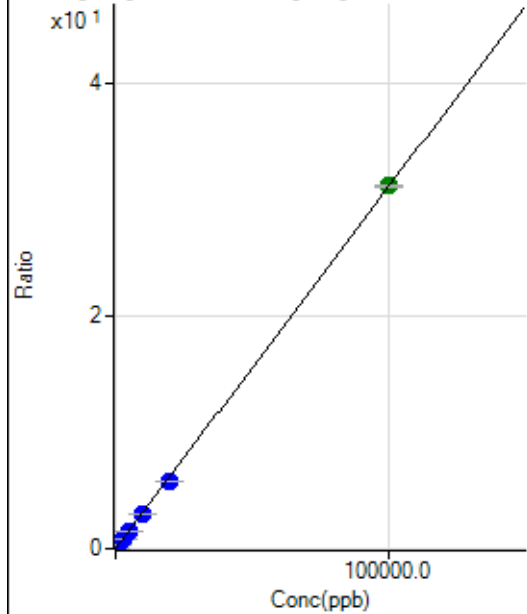
$$R = 1.0000$$

$$DL = 1.096$$

$$BEC = 0.9183$$

Weight: &lt;None&gt;

Min Conc: 0

**27 Al [He] ISTD:45 Sc [He]**

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 44.45       | 0.0001  | P    | 92.9 |
| 2 | <input type="checkbox"/> | 2.000     |            |             |         |      |      |
| 3 | <input type="checkbox"/> | 20.000    | 21.318     | 2228.04     | 0.0068  | P    | 4.4  |
| 4 | <input type="checkbox"/> | 1000.000  | 970.689    | 101173.09   | 0.3024  | P    | 1.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2431.475   | 250658.79   | 0.7573  | P    | 1.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 4789.662   | 491144.94   | 1.4917  | P    | 0.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9484.144   | 955903.21   | 2.9537  | P    | 0.8  |
| 8 | <input type="checkbox"/> | 20000.000 | 18722.341  | 1903422.94  | 5.8306  | P    | 0.1  |
| 9 | <input type="checkbox"/> | 100000.00 | 100319.64  | 10169491.90 | 31.2416 | A    | 0.3  |

$$y = 3.1142\text{E-}004 * x + 1.3667\text{E-}004$$

$$R = 0.9999$$

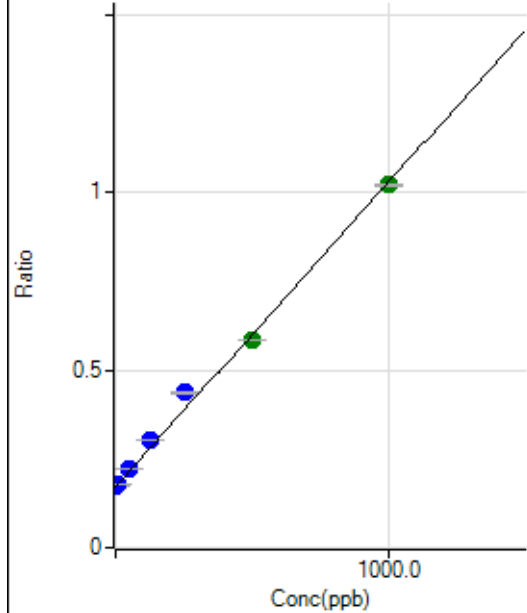
$$DL = 1.223$$

$$BEC = 0.4388$$

Weight: &lt;None&gt;

Min Conc: 0

28 Si [No Gas] ISTD : 45 Sc [No Gas]



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1085212.06 | 0.1717 | P    | 1.3 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 10.000   | 7.164      | 1116564.65 | 0.1778 | P    | 0.5 |
| 4 | <input type="checkbox"/> | 50.000   | 57.361     | 1414672.89 | 0.2209 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 153.352    | 1932485.33 | 0.3032 | P    | 0.7 |
| 6 | <input type="checkbox"/> | 250.000  | 308.866    | 2778853.95 | 0.4366 | P    | 1.2 |
| 7 | <input type="checkbox"/> | 500.000  | 481.518    | 3630711.89 | 0.5846 | A    | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 990.641    | 6364230.39 | 1.0213 | A    | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 1531719.34 | 0.2443 | P    | 1.3 |

$$y = 8.5764\text{E-}004 * x + 0.1717$$

$$R = 0.9975$$

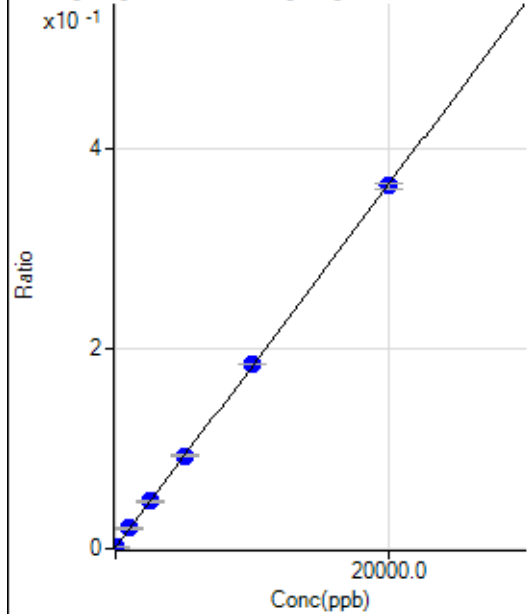
$$DL = 7.984$$

$$BEC = 200.2$$

Weight: &lt;None&gt;

Min Conc: 0

31 P [He] ISTD : 45 Sc [He]



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | -5.627     | 305.57    | 0.0009 | P    | 18.2 |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 0.000     | 5.627      | 375.02    | 0.0011 | P    | 15.9 |
| 4 | <input type="checkbox"/> | 1000.000  | 1071.145   | 6837.98   | 0.0204 | P    | 6.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2555.688   | 15667.04  | 0.0473 | P    | 2.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 5067.840   | 30571.17  | 0.0928 | P    | 1.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 10090.408  | 59497.49  | 0.1838 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 20000.000 | 19927.318  | 118187.99 | 0.3620 | P    | 1.4  |
| 9 | <input type="checkbox"/> |           |            | 277.79    | 0.0009 | P    | 12.3 |

$$y = 1.8116\text{E-}005 * x + 0.0010$$

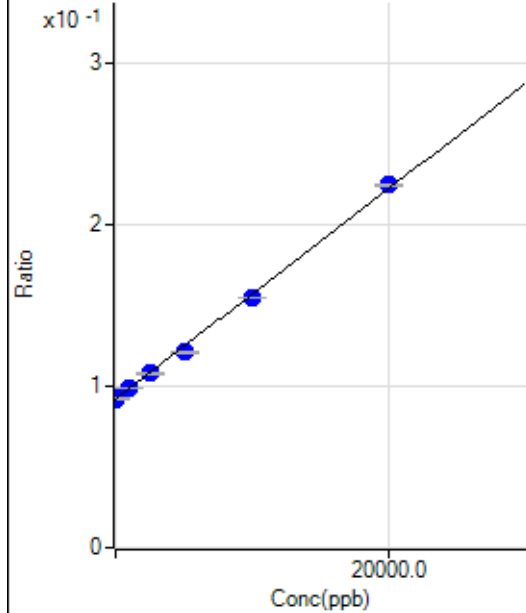
$$R = 1.0000$$

$$DL = 29.15$$

$$BEC = 57.34$$

Weight: &lt;None&gt;

Min Conc: 0

**34 S [No Gas] ISTD:45 Sc [No Gas]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -30.082    | 581360.89  | 0.0920 | P   | 0.3 |
| 2 | <input type="checkbox"/> | 0.000     |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 0.000     | 30.082     | 579900.60  | 0.0923 | P   | 0.8 |
| 4 | <input type="checkbox"/> | 1000.000  | 1025.357   | 633027.19  | 0.0988 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 2500.000  | 2443.081   | 688760.61  | 0.1081 | P   | 0.8 |
| 6 | <input type="checkbox"/> | 5000.000  | 4420.436   | 769736.23  | 0.1209 | P   | 1.5 |
| 7 | <input type="checkbox"/> | 10000.000 | 9590.819   | 960042.75  | 0.1546 | P   | 0.2 |
| 8 | <input type="checkbox"/> | 20000.000 | 20355.329  | 1399977.75 | 0.2247 | P   | 0.4 |
| 9 | <input type="checkbox"/> |           |            | 521210.21  | 0.0831 | P   | 1.4 |

$$y = 6.5096\text{E-}006 * x + 0.0922$$

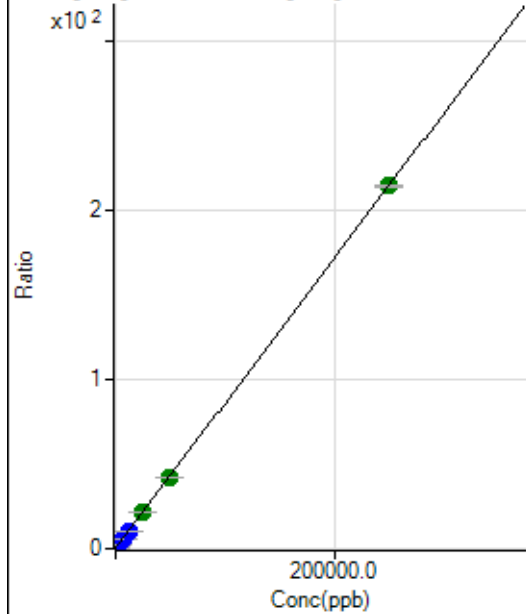
$$R = 0.9992$$

$$DL = 222.2$$

$$BEC = 1.416\text{E}+04$$

Weight: &lt;None&gt;

Min Conc: 0

**39 K [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|-------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 61534.08    | 0.1888   | P   | 1.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |     |     |
| 3 | <input type="checkbox"/> | 500.000   | 492.570    | 200673.77   | 0.6102   | P   | 0.4 |
| 4 | <input type="checkbox"/> | 2500.000  | 2493.875   | 776933.70   | 2.3225   | P   | 0.3 |
| 5 | <input type="checkbox"/> | 6250.000  | 6213.387   | 1821999.43  | 5.5048   | P   | 0.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 12367.314  | 3545982.59  | 10.7699  | P   | 0.2 |
| 7 | <input type="checkbox"/> | 25000.000 | 24837.419  | 6938424.63  | 21.4390  | A   | 0.3 |
| 8 | <input type="checkbox"/> | 50000.000 | 49296.328  | 13830288.33 | 42.3655  | A   | 0.7 |
| 9 | <input type="checkbox"/> | 250000.00 | 250164.61  | 69731455.03 | 214.2235 | A   | 0.6 |

$$y = 8.5558\text{E-}004 * x + 0.1888$$

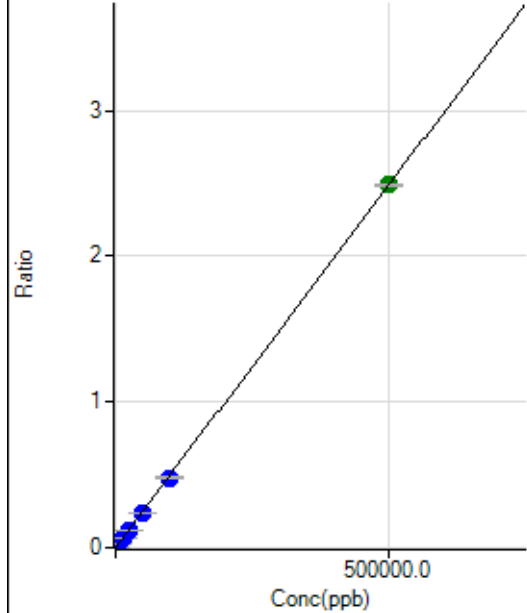
$$R = 1.0000$$

$$DL = 6.336$$

$$BEC = 220.6$$

Weight: &lt;None&gt;

Min Conc: 0

**43 Ca [No Gas] ISTD:45 Sc [No Gas]**

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 413.92      | 0.0001 | P    | 16.3 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 486.912    | 15605.95    | 0.0025 | P    | 1.8  |
| 4 | <input type="checkbox"/> | 5000.000  | 4935.097   | 157510.78   | 0.0246 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 12500.000 | 12210.910  | 387202.99   | 0.0607 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 25000.000 | 24258.715  | 767813.14   | 0.1206 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 50000.000 | 48450.366  | 1495705.97  | 0.2408 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 100000.00 | 96786.143  | 2997697.83  | 0.4811 | P    | 0.4  |
| 9 | <input type="checkbox"/> | 500000.00 | 500842.68  | 15602812.15 | 2.4890 | A    | 0.7  |

$$y = 4.9696E-006 * x + 6.5467E-005$$

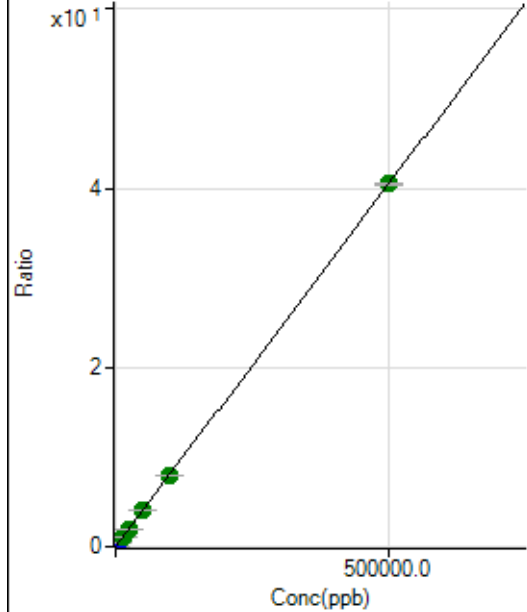
$$R = 1.0000$$

$$DL = 6.432$$

$$BEC = 13.17$$

Weight: &lt;None&gt;

Min Conc: 0

**44 Ca [No Gas] ISTD:45 Sc [No Gas]**

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 24067.73    | 0.0038  | P    | 3.3 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |         |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 484.027    | 269715.20   | 0.0430  | P    | 0.2 |
| 4 | <input type="checkbox"/> | 5000.000  | 4881.144   | 2552854.98  | 0.3986  | P    | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 12354.895  | 6392954.40  | 1.0030  | A    | 0.2 |
| 6 | <input type="checkbox"/> | 25000.000 | 24624.706  | 12700667.99 | 1.9953  | A    | 0.9 |
| 7 | <input type="checkbox"/> | 50000.000 | 49286.785  | 24777230.07 | 3.9897  | A    | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 98024.096  | 49423219.85 | 7.9312  | A    | 0.9 |
| 9 | <input type="checkbox"/> | 500000.00 | 500490.09  | 253753919.5 | 40.4795 | A    | 0.3 |

$$y = 8.0872E-005 * x + 0.0038$$

$$R = 1.0000$$

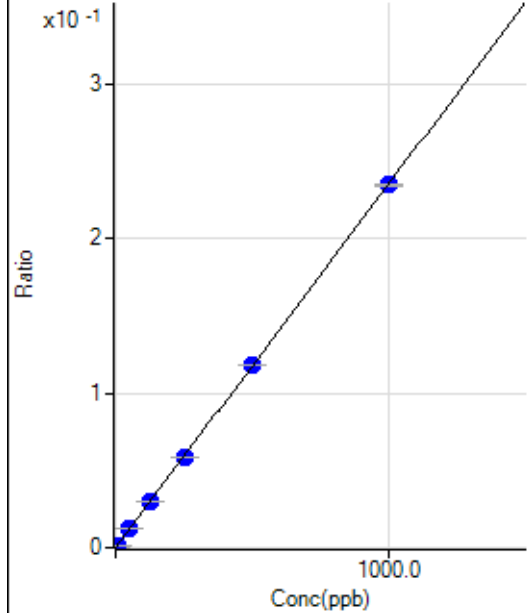
$$DL = 4.68$$

$$BEC = 47.08$$

Weight: &lt;None&gt;

Min Conc: 0

47 Ti [No Gas] ISTD:45 Sc [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 158.34     | 0.0000 | P    | 31.4 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.046      | 7607.88    | 0.0012 | P    | 3.3  |
| 4 | <input type="checkbox"/> | 50.000   | 50.822     | 76699.61   | 0.0120 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 126.182    | 189265.18  | 0.0297 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 250.000  | 249.443    | 373490.27  | 0.0587 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 503.615    | 735532.95  | 0.1184 | P    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.143    | 1462635.18 | 0.2347 | P    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 1177.91    | 0.0002 | P    | 12.0 |

$$y = 2.3512\text{E-}004 * x + 2.5002\text{E-}005$$

$$R = 1.0000$$

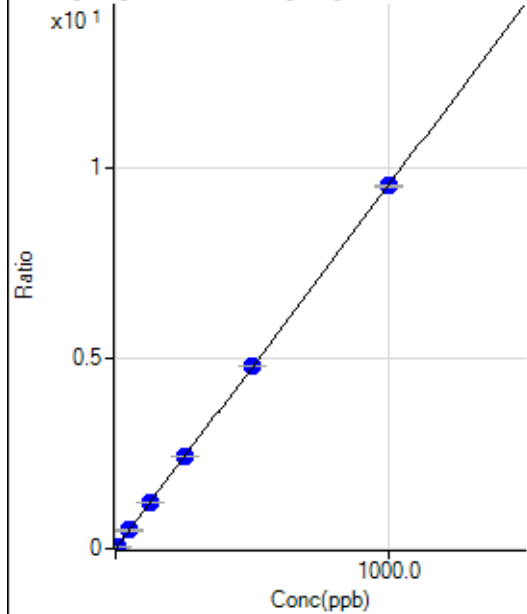
$$DL = 0.1001$$

$$BEC = 0.1063$$

Weight: &lt;None&gt;

Min Conc: 0

51 V [He] ISTD:45 Sc [He]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 28.89      | 0.0001 | P    | 23.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.023      | 15798.62   | 0.0480 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 50.000   | 50.380     | 160922.20  | 0.4810 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 126.729    | 400457.08  | 1.2099 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 252.339    | 793171.85  | 2.4090 | P    | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 501.704    | 1550082.15 | 4.7896 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.328    | 3111261.76 | 9.5306 | P    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1216.74    | 0.0037 | P    | 6.8  |

$$y = 0.0095 * x + 8.8613\text{E-}005$$

$$R = 1.0000$$

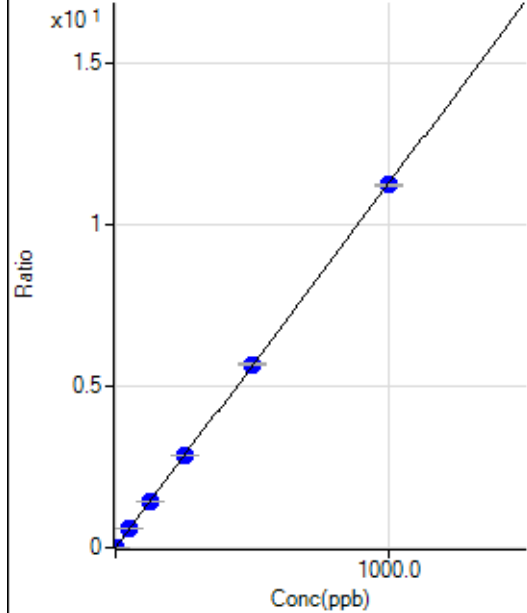
$$DL = 0.006663$$

$$BEC = 0.009282$$

Weight: &lt;None&gt;

Min Conc: 0



**52 Cr [He] ISTD:45 Sc [He]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 758.93     | 0.0023  | P    | 3.5 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.140      | 8681.56    | 0.0264  | P    | 1.4 |
| 4 | <input type="checkbox"/> | 50.000   | 51.147     | 193225.54  | 0.5776  | P    | 0.3 |
| 5 | <input type="checkbox"/> | 125.000  | 127.606    | 475811.03  | 1.4376  | P    | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 253.455    | 939354.45  | 2.8531  | P    | 0.8 |
| 7 | <input type="checkbox"/> | 500.000  | 504.171    | 1835954.82 | 5.6730  | P    | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 996.667    | 3660256.09 | 11.2123 | P    | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 85466.96   | 0.2626  | P    | 0.8 |

$$y = 0.0112 * x + 0.0023$$

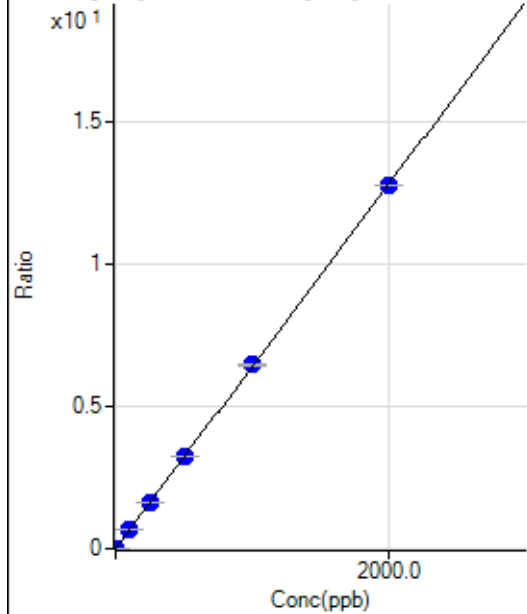
$$R = 1.0000$$

$$DL = 0.02192$$

$$BEC = 0.207$$

Weight: &lt;None&gt;

Min Conc: 0

**55 Mn [He] ISTD:45 Sc [He]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 93.33      | 0.0003  | P    | 22.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.096      | 2401.35    | 0.0073  | P    | 6.1  |
| 4 | <input type="checkbox"/> | 100.000  | 102.249    | 218957.57  | 0.6545  | P    | 0.3  |
| 5 | <input type="checkbox"/> | 250.000  | 256.663    | 543658.87  | 1.6425  | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 508.732    | 1071815.90 | 3.2554  | P    | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.629   | 2088711.06 | 6.4539  | P    | 0.1  |
| 8 | <input type="checkbox"/> | 2000.000 | 1992.557   | 4162095.60 | 12.7495 | P    | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 16757.50   | 0.0515  | P    | 1.2  |

$$y = 0.0064 * x + 2.8643E-004$$

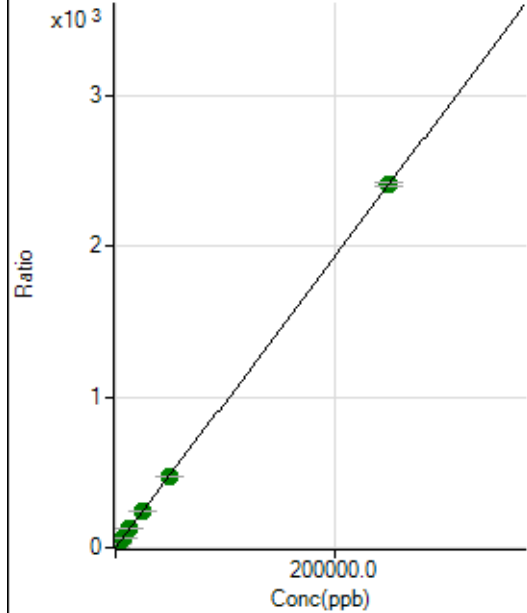
$$R = 1.0000$$

$$DL = 0.03034$$

$$BEC = 0.04477$$

Weight: &lt;None&gt;

Min Conc: 0

**56 Fe [He] ISTD:45 Sc [He]**

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 5960.64     | 0.0183    | P    | 1.4 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |           |      |     |
| 3 | <input type="checkbox"/> | 50.000    | 49.927     | 163894.66   | 0.4984    | P    | 0.5 |
| 4 | <input type="checkbox"/> | 2500.000  | 2529.327   | 8142164.13  | 24.3391   | A    | 0.5 |
| 5 | <input type="checkbox"/> | 6250.000  | 6324.093   | 20133359.71 | 60.8277   | A    | 0.5 |
| 6 | <input type="checkbox"/> | 12500.000 | 12635.473  | 40008643.02 | 121.5150  | A    | 0.3 |
| 7 | <input type="checkbox"/> | 25000.000 | 24988.460  | 77767602.66 | 240.2954  | A    | 0.4 |
| 8 | <input type="checkbox"/> | 50000.000 | 49339.080  | 154882890.5 | 474.4393  | A    | 0.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 250124.41  | 782881106.3 | 2,405.095 | A    | 0.9 |

$$y = 0.0096 * x + 0.0183$$

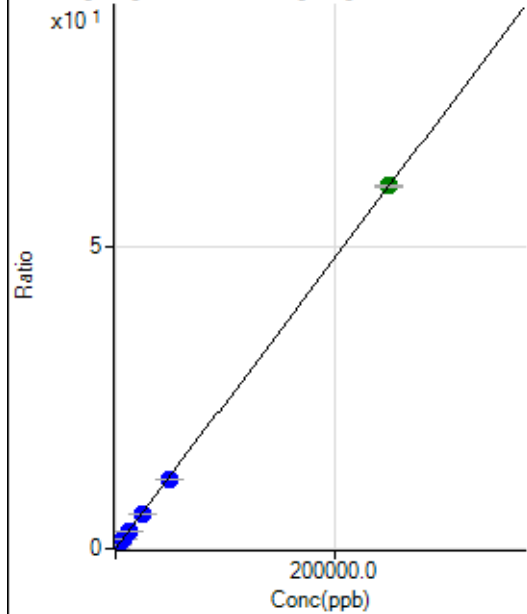
$$R = 1.0000$$

$$DL = 0.08088$$

$$BEC = 1.902$$

Weight: &lt;None&gt;

Min Conc: 0

**57 Fe [He] ISTD:45 Sc [He]**

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 124.08      | 0.0004  | P    | 7.2 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |         |      |     |
| 3 | <input type="checkbox"/> | 50.000    | 49.308     | 4011.77     | 0.0122  | P    | 4.1 |
| 4 | <input type="checkbox"/> | 2500.000  | 2469.045   | 198082.67   | 0.5921  | P    | 0.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 6128.323   | 486272.72   | 1.4691  | P    | 0.3 |
| 6 | <input type="checkbox"/> | 12500.000 | 12291.763  | 970057.09   | 2.9463  | P    | 0.6 |
| 7 | <input type="checkbox"/> | 25000.000 | 24335.938  | 1887725.00  | 5.8329  | P    | 0.2 |
| 8 | <input type="checkbox"/> | 50000.000 | 47928.333  | 3749988.10  | 11.4871 | P    | 0.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 250494.50  | 19542004.14 | 60.0352 | A    | 0.9 |

$$y = 2.3967E-004 * x + 3.8069E-004$$

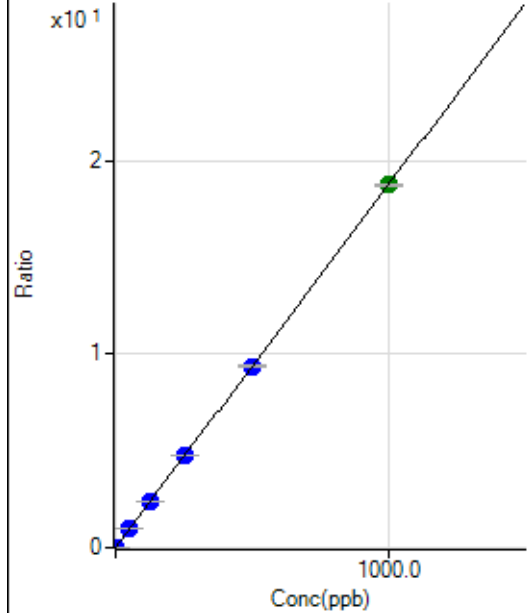
$$R = 1.0000$$

$$DL = 0.3448$$

$$BEC = 1.588$$

Weight: &lt;None&gt;

Min Conc: 0

**59 Co [He] ISTD:45 Sc [He]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 130.01     | 0.0004  | P    | 4.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.012      | 6378.15    | 0.0194  | P    | 0.8 |
| 4 | <input type="checkbox"/> | 50.000   | 50.701     | 318507.92  | 0.9521  | P    | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 126.424    | 785604.00  | 2.3735  | P    | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 252.300    | 1559427.95 | 4.7363  | P    | 0.4 |
| 7 | <input type="checkbox"/> | 500.000  | 499.423    | 3034089.26 | 9.3751  | P    | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.500    | 6124853.66 | 18.7620 | A    | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 7836.67    | 0.0241  | P    | 2.7 |

$$y = 0.0188 * x + 3.9883E-004$$

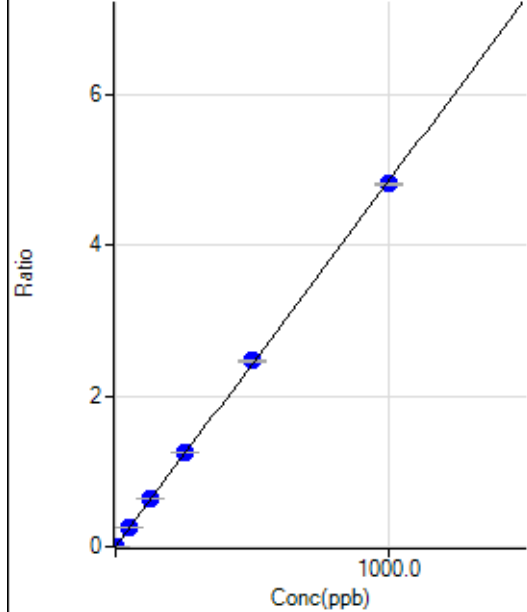
$$R = 1.0000$$

$$DL = 0.002985$$

$$BEC = 0.02125$$

Weight: &lt;None&gt;

Min Conc: 0

**60 Ni [He] ISTD:45 Sc [He]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 392.24     | 0.0012 | P    | 9.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.041      | 2057.96    | 0.0063 | P    | 2.2 |
| 4 | <input type="checkbox"/> | 50.000   | 51.900     | 84677.35   | 0.2531 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 129.543    | 208512.40  | 0.6300 | P    | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 258.426    | 413385.03  | 1.2556 | P    | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 508.312    | 798878.19  | 2.4685 | P    | 0.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 993.075    | 1573938.00 | 4.8214 | P    | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 20675.91   | 0.0635 | P    | 3.3 |

$$y = 0.0049 * x + 0.0012$$

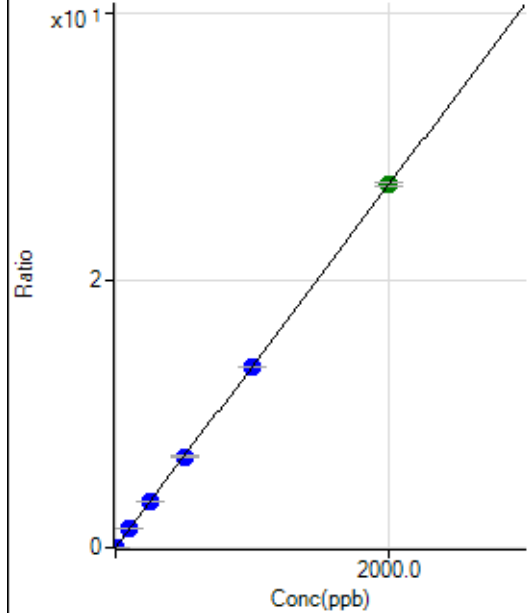
$$R = 0.9999$$

$$DL = 0.07124$$

$$BEC = 0.2478$$

Weight: &lt;None&gt;

Min Conc: 0

**63 Cu [He] ISTD:45 Sc [He]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 536.69     | 0.0016  | P    | 5.4 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.186      | 10308.23   | 0.0313  | P    | 1.1 |
| 4 | <input type="checkbox"/> | 100.000  | 101.846    | 463448.71  | 1.3854  | P    | 0.4 |
| 5 | <input type="checkbox"/> | 250.000  | 252.145    | 1134439.17 | 3.4274  | P    | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 503.325    | 2252066.25 | 6.8400  | P    | 0.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 994.770    | 4374565.28 | 13.5170 | P    | 0.4 |
| 8 | <input type="checkbox"/> | 2000.000 | 2001.423   | 8877659.31 | 27.1939 | A    | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 12575.61   | 0.0386  | P    | 2.1 |

$$y = 0.0136 * x + 0.0016$$

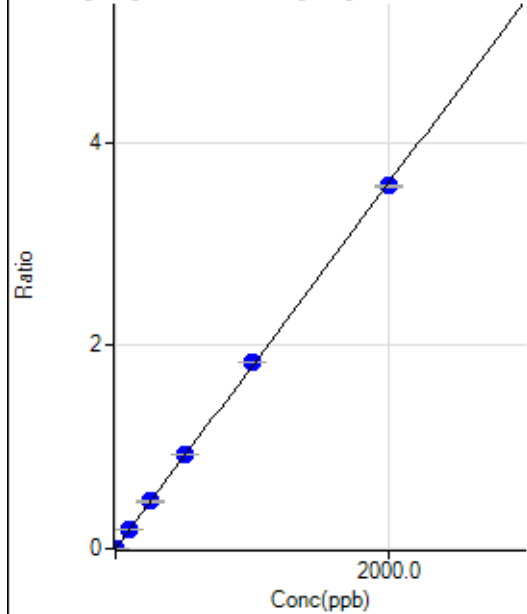
$$R = 1.0000$$

$$DL = 0.01967$$

$$BEC = 0.1212$$

Weight: &lt;None&gt;

Min Conc: 0

**66 Zn [He] ISTD:45 Sc [He]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 238.90     | 0.0007 | P    | 1.8 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.089      | 1477.88    | 0.0045 | P    | 2.2 |
| 4 | <input type="checkbox"/> | 100.000  | 103.543    | 62611.41   | 0.1872 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 257.984    | 153986.85  | 0.4652 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 515.107    | 305602.90  | 0.9282 | P    | 0.4 |
| 7 | <input type="checkbox"/> | 1000.000 | 1018.335   | 593623.17  | 1.8342 | P    | 0.3 |
| 8 | <input type="checkbox"/> | 2000.000 | 1985.880   | 1167485.43 | 3.5763 | P    | 0.2 |
| 9 | <input type="checkbox"/> |          |            | 13265.09   | 0.0408 | P    | 2.8 |

$$y = 0.0018 * x + 7.3279E-004$$

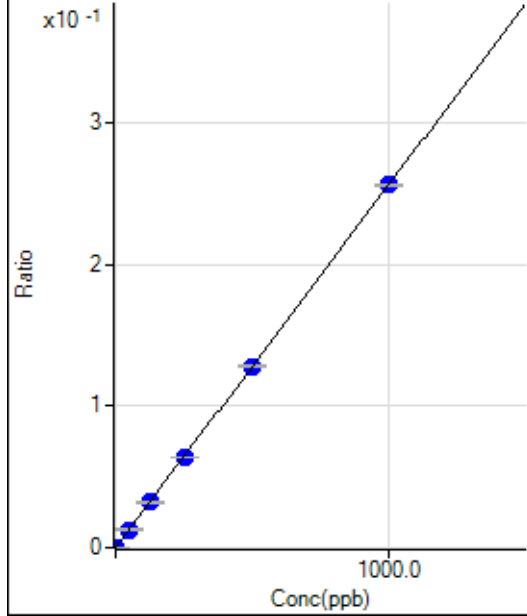
$$R = 0.9999$$

$$DL = 0.02186$$

$$BEC = 0.407$$

Weight: &lt;None&gt;

Min Conc: 0

**75 As [He] ISTD:89 Y [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 11.11     | 0.0000 | P   | 33.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.046      | 521.00    | 0.0003 | P   | 7.4  |
| 4 | <input type="checkbox"/> | 50.000   | 50.335     | 24899.14  | 0.0129 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 125.000  | 125.079    | 61502.14  | 0.0320 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 249.497    | 122351.68 | 0.0639 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 499.050    | 240204.36 | 0.1277 | P   | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.574   | 483872.32 | 0.2561 | P   | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 785.21    | 0.0004 | P   | 3.7  |

$$y = 2.5591\text{E-}004 * x + 5.8860\text{E-}006$$

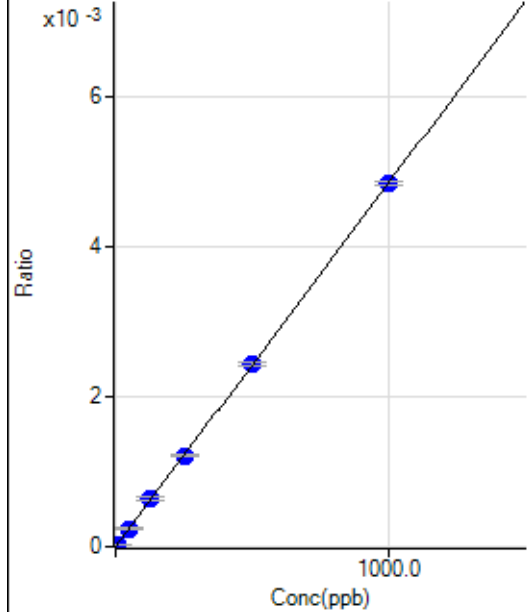
$$R = 1.0000$$

$$DL = 0.02285$$

$$BEC = 0.023$$

Weight: &lt;None&gt;

Min Conc: 0

**77 Se [He] ISTD:89 Y [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|---------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P   |     |
| 2 | <input type="checkbox"/> | 0.500    |            |         |        |     |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.783      | 53.33   | 0.0000 | P   | 6.1 |
| 4 | <input type="checkbox"/> | 50.000   | 49.065     | 458.90  | 0.0002 | P   | 9.5 |
| 5 | <input type="checkbox"/> | 125.000  | 131.532    | 1223.41 | 0.0006 | P   | 5.2 |
| 6 | <input type="checkbox"/> | 250.000  | 249.405    | 2313.56 | 0.0012 | P   | 2.6 |
| 7 | <input type="checkbox"/> | 500.000  | 502.715    | 4577.46 | 0.0024 | P   | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.017    | 9130.80 | 0.0048 | P   | 1.1 |
| 9 | <input type="checkbox"/> |          |            | 16.67   | 0.0000 | P   | 0.8 |

$$y = 4.8417\text{E-}006 * x + 0.0000\text{E+}000$$

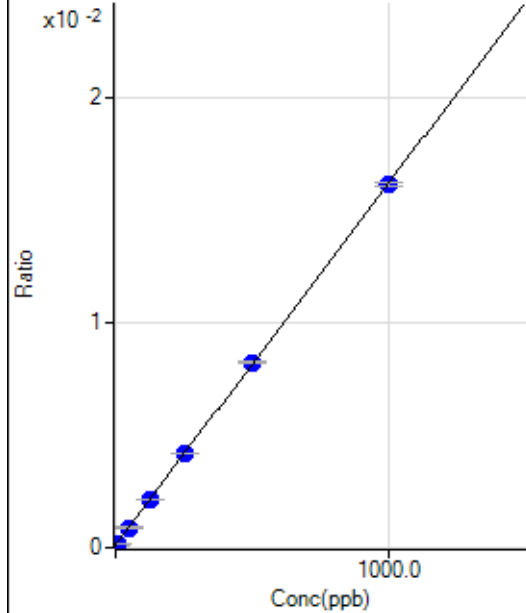
$$R = 1.0000$$

$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

**78 Se [He] ISTD:89 Y [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 228.40   | 0.0001 | P   | 12.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.833      | 378.40   | 0.0002 | P   | 9.0  |
| 4 | <input type="checkbox"/> | 50.000   | 48.230     | 1730.37  | 0.0009 | P   | 3.3  |
| 5 | <input type="checkbox"/> | 125.000  | 126.016    | 4120.38  | 0.0021 | P   | 2.0  |
| 6 | <input type="checkbox"/> | 250.000  | 253.856    | 8043.64  | 0.0042 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 505.557    | 15497.85 | 0.0082 | P   | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.220    | 30462.23 | 0.0161 | P   | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 283.96   | 0.0002 | P   | 3.5  |

$$y = 1.6060\text{E-}005 * x + 1.2102\text{E-}004$$

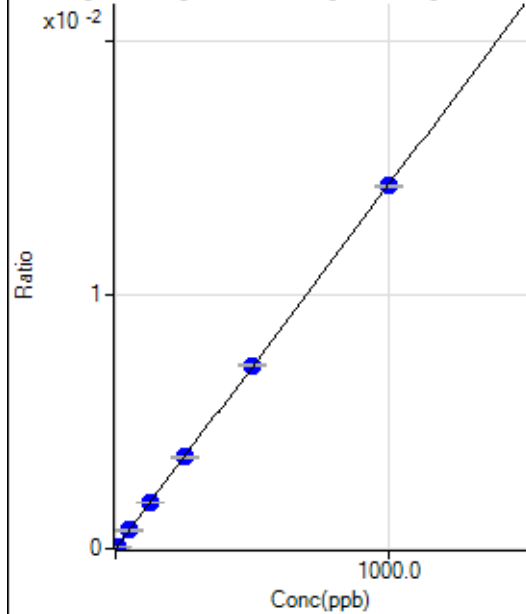
$$R = 1.0000$$

$$DL = 2.717$$

$$BEC = 7.536$$

Weight: &lt;None&gt;

Min Conc: 0

**82 Se [No Gas] ISTD:89 Y [No Gas]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD   |
|---|--------------------------|----------|------------|-----------|--------|-----|-------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | -98.20    | 0.0000 | P   | -118. |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |     |       |
| 3 | <input type="checkbox"/> | 5.000    | 4.522      | 638.22    | 0.0001 | P   | 16.6  |
| 4 | <input type="checkbox"/> | 50.000   | 50.354     | 8266.68   | 0.0007 | P   | 0.7   |
| 5 | <input type="checkbox"/> | 125.000  | 126.876    | 21008.89  | 0.0018 | P   | 1.4   |
| 6 | <input type="checkbox"/> | 250.000  | 251.930    | 41739.08  | 0.0036 | P   | 0.7   |
| 7 | <input type="checkbox"/> | 500.000  | 502.981    | 81911.79  | 0.0072 | P   | 1.0   |
| 8 | <input type="checkbox"/> | 1000.000 | 997.777    | 163882.53 | 0.0143 | P   | 0.8   |
| 9 | <input type="checkbox"/> |          |            | 415.82    | 0.0000 | P   | 36.6  |

$$y = 1.4320\text{E-}005 * x - 8.5396\text{E-}006$$

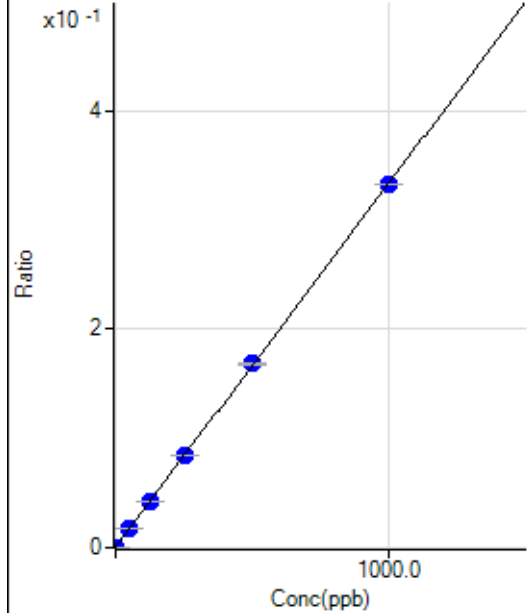
$$R = 1.0000$$

$$DL = 2.125$$

$$BEC = -0.5964$$

Weight: &lt;None&gt;

Min Conc: 0

**86 Sr [No Gas] ISTD:89 Y [No Gas]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4189.67    | 0.0004 | P    | 6.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.992      | 7891.42    | 0.0007 | P    | 2.7 |
| 4 | <input type="checkbox"/> | 50.000   | 50.256     | 198430.07  | 0.0171 | P    | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 126.393    | 493324.91  | 0.0425 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 252.385    | 979093.37  | 0.0844 | P    | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 504.612    | 1917776.85 | 0.1684 | P    | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 996.911    | 3815043.49 | 0.3324 | P    | 0.1 |
| 9 | <input type="checkbox"/> |          |            | 122353.70  | 0.0108 | P    | 0.6 |

$$y = 3.3306\text{E-}004 * x + 3.6459\text{E-}004$$

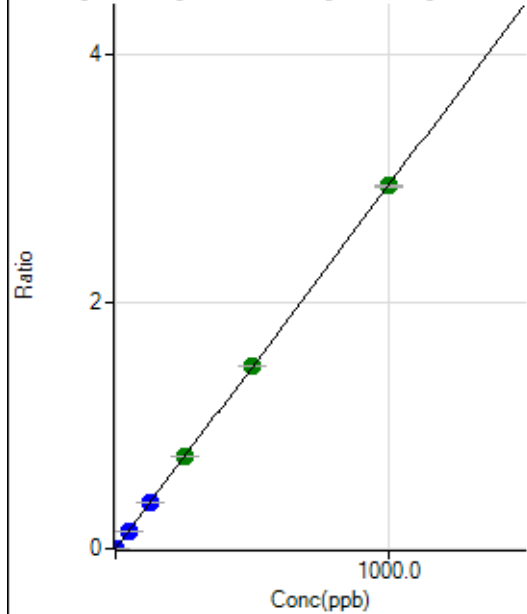
$$R = 1.0000$$

$$DL = 0.2193$$

$$BEC = 1.095$$

Weight: &lt;None&gt;

Min Conc: 0

**88 Sr [No Gas] ISTD:89 Y [No Gas]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 180.56      | 0.0000 | P    | 16.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.006      | 33818.58    | 0.0030 | P    | 1.9  |
| 4 | <input type="checkbox"/> | 50.000   | 49.667     | 1696822.46  | 0.1463 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 124.715    | 4266468.15  | 0.3672 | P    | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 252.416    | 8619453.23  | 0.7432 | A    | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 502.045    | 16831321.55 | 1.4782 | A    | 0.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.426    | 33739852.84 | 2.9398 | A    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 1032345.69  | 0.0914 | P    | 0.2  |

$$y = 0.0029 * x + 1.5713\text{E-}005$$

$$R = 1.0000$$

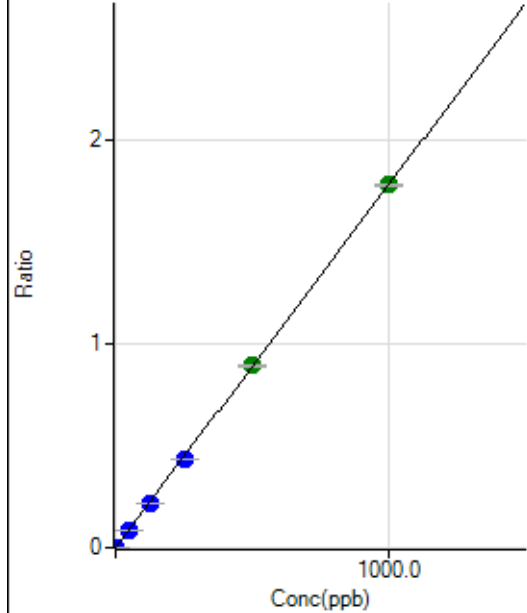
$$DL = 0.002591$$

$$BEC = 0.005337$$

Weight: &lt;None&gt;

Min Conc: 0

90 Zr [No Gas] ISTD: 89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 716.72      | 0.0001 | P    | 9.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.835      | 17600.29    | 0.0015 | P    | 2.0 |
| 4 | <input type="checkbox"/> | 50.000   | 48.316     | 999555.05   | 0.0862 | P    | 0.2 |
| 5 | <input type="checkbox"/> | 125.000  | 122.245    | 2531383.63  | 0.2179 | P    | 0.1 |
| 6 | <input type="checkbox"/> | 250.000  | 245.780    | 5079628.80  | 0.4380 | P    | 0.3 |
| 7 | <input type="checkbox"/> | 500.000  | 501.999    | 10185432.17 | 0.8945 | A    | 0.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.484   | 20461187.44 | 1.7827 | A    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 5706.93     | 0.0005 | P    | 6.4 |

$$y = 0.0018 * x + 6.2371E-005$$

$$R = 1.0000$$

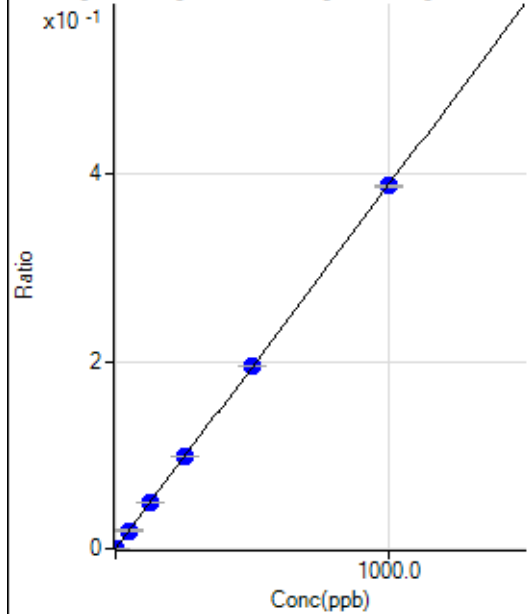
$$DL = 0.009648$$

$$BEC = 0.035$$

Weight: &lt;None&gt;

Min Conc: 0

91 Zr [No Gas] ISTD: 89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 133.34     | 0.0000 | P    | 10.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.904      | 4122.99    | 0.0004 | P    | 6.1  |
| 4 | <input type="checkbox"/> | 50.000   | 50.098     | 226133.64  | 0.0195 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 125.000  | 125.630    | 567673.03  | 0.0489 | P    | 0.1  |
| 6 | <input type="checkbox"/> | 250.000  | 251.593    | 1134676.76 | 0.0978 | P    | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 503.587    | 2229669.93 | 0.1958 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.724    | 4452689.42 | 0.3880 | P    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 1283.45    | 0.0001 | P    | 8.1  |

$$y = 3.8883E-004 * x + 1.1605E-005$$

$$R = 1.0000$$

$$DL = 0.009772$$

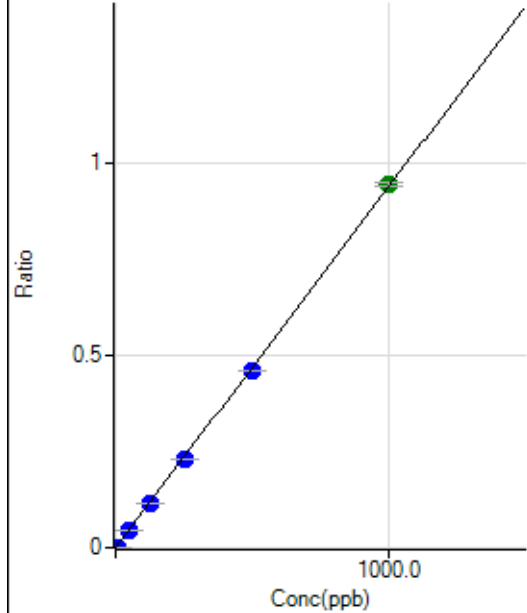
$$BEC = 0.02984$$

Weight: &lt;None&gt;

Min Conc: 0



94 Mo [No Gas] ISTD:89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 297.24      | 0.0000 | P    | 3.3 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 2.087      | 22479.58    | 0.0020 | P    | 3.9 |
| 4 | <input type="checkbox"/> | 50.000   | 48.530     | 527447.59   | 0.0455 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 125.000  | 122.062    | 1328034.24  | 0.1143 | P    | 0.1 |
| 6 | <input type="checkbox"/> | 250.000  | 245.849    | 2669763.97  | 0.2302 | P    | 0.6 |
| 7 | <input type="checkbox"/> | 500.000  | 491.035    | 5234846.82  | 0.4598 | P    | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.975   | 10809795.12 | 0.9419 | A    | 1.1 |
| 9 | <input type="checkbox"/> |          |            | 21425.29    | 0.0019 | P    | 9.9 |

$$y = 9.3625E-004 * x + 2.5868E-005$$

$$R = 0.9999$$

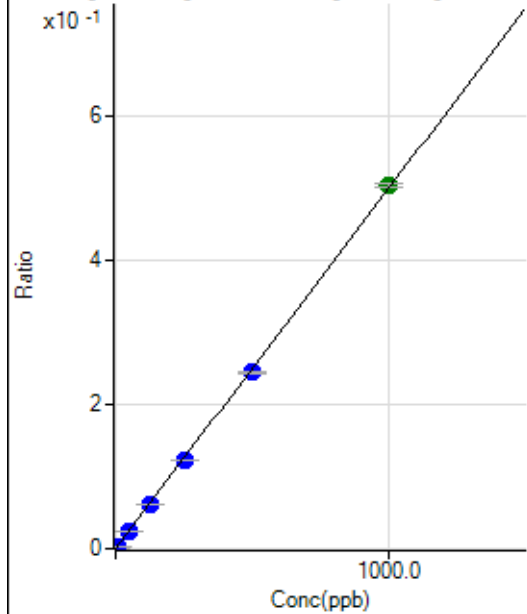
$$DL = 0.002744$$

$$BEC = 0.02763$$

Weight: &lt;None&gt;

Min Conc: 0

95 Mo [No Gas] ISTD:89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 122.23     | 0.0000 | P    | 33.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.842      | 27630.48   | 0.0024 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 50.000   | 48.053     | 279028.72  | 0.0241 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 121.200    | 704570.25  | 0.0606 | P    | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 243.688    | 1413972.53 | 0.1219 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 489.540    | 2788626.17 | 0.2449 | P    | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 1007.381   | 5784097.78 | 0.5040 | A    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 33465.38   | 0.0030 | P    | 6.0  |

$$y = 5.0027E-004 * x + 1.0636E-005$$

$$R = 0.9999$$

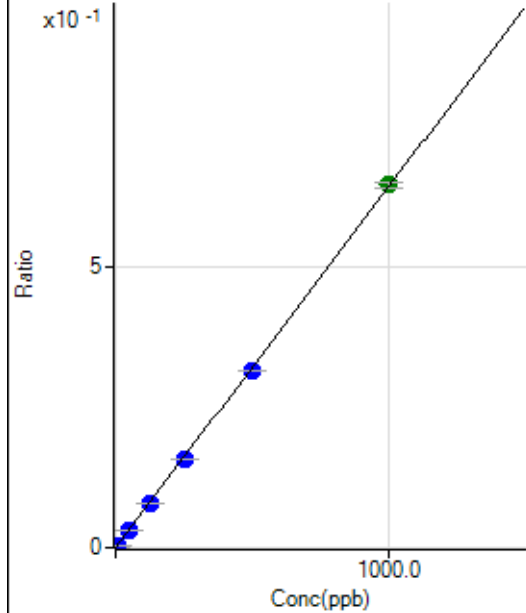
$$DL = 0.02143$$

$$BEC = 0.02126$$

Weight: &lt;None&gt;

Min Conc: 0

96 Mo [No Gas] ISTD:89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 213.90     | 0.0000 | P    | 4.4 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 4.164      | 30614.39   | 0.0027 | P    | 1.8 |
| 4 | <input type="checkbox"/> | 50.000   | 47.940     | 357766.94  | 0.0308 | P    | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 121.488    | 907561.67  | 0.0781 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 243.787    | 1817699.52 | 0.1567 | P    | 0.1 |
| 7 | <input type="checkbox"/> | 500.000  | 491.903    | 3600654.03 | 0.3162 | P    | 0.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.148   | 7423310.06 | 0.6468 | A    | 1.3 |
| 9 | <input type="checkbox"/> |          |            | 41714.97   | 0.0037 | P    | 7.5 |

$$y = 6.4284\text{E-}004 * x + 1.8615\text{E-}005$$

$$R = 0.9999$$

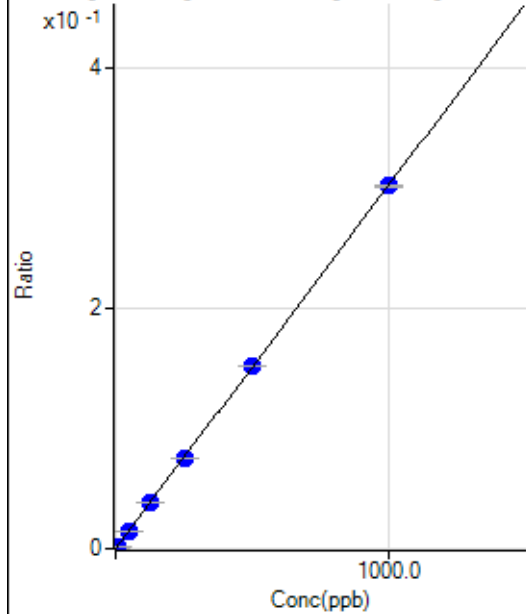
$$DL = 0.003825$$

$$BEC = 0.02896$$

Weight: &lt;None&gt;

Min Conc: 0

97 Mo [No Gas] ISTD:89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 127.79     | 0.0000 | P    | 32.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.036      | 17441.91   | 0.0015 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 49.377     | 173572.97  | 0.0150 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 125.448    | 441406.24  | 0.0380 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 249.360    | 875713.82  | 0.0755 | P    | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 502.772    | 1733366.08 | 0.1522 | P    | 0.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.749    | 3470694.13 | 0.3024 | P    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 20916.13   | 0.0019 | P    | 6.1  |

$$y = 3.0277\text{E-}004 * x + 1.1122\text{E-}005$$

$$R = 1.0000$$

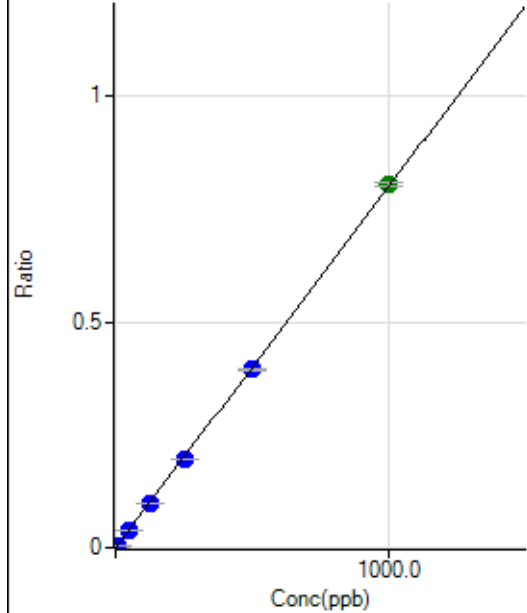
$$DL = 0.03553$$

$$BEC = 0.03674$$

Weight: &lt;None&gt;

Min Conc: 0

98 Mo [No Gas] ISTD:89 Y [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 166.68     | 0.0000 | P    | 17.4 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.795      | 43704.33   | 0.0038 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 50.000   | 48.109     | 446453.24  | 0.0385 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 122.495    | 1138072.03 | 0.0980 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 245.328    | 2275030.28 | 0.1962 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 492.934    | 4487758.13 | 0.3941 | P    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.109   | 9223668.95 | 0.8037 | A    | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 52113.50   | 0.0046 | P    | 8.9  |

$$y = 7.9955\text{E-}004 * x + 1.4506\text{E-}005$$

$$R = 1.0000$$

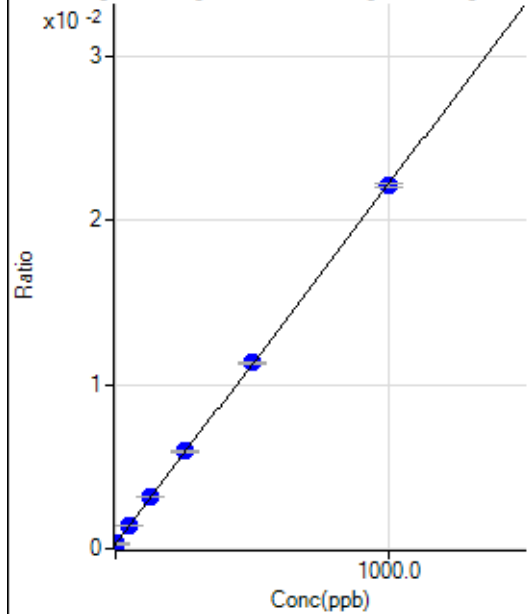
$$DL = 0.009469$$

$$BEC = 0.01814$$

Weight: &lt;None&gt;

Min Conc: 0

106 Cd [No Gas] ISTD:159 Tb [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3678.43   | 0.0003 | P    | 4.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.833      | 3895.18   | 0.0003 | P    | 4.4 |
| 4 | <input type="checkbox"/> | 50.000   | 53.177     | 19439.00  | 0.0014 | P    | 2.7 |
| 5 | <input type="checkbox"/> | 125.000  | 131.655    | 43236.73  | 0.0032 | P    | 1.8 |
| 6 | <input type="checkbox"/> | 250.000  | 257.335    | 81383.78  | 0.0059 | P    | 0.3 |
| 7 | <input type="checkbox"/> | 500.000  | 503.747    | 156176.40 | 0.0113 | P    | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 995.302    | 305214.30 | 0.0221 | P    | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 3620.09   | 0.0003 | P    | 2.4 |

$$y = 2.1952\text{E-}005 * x + 2.7519\text{E-}004$$

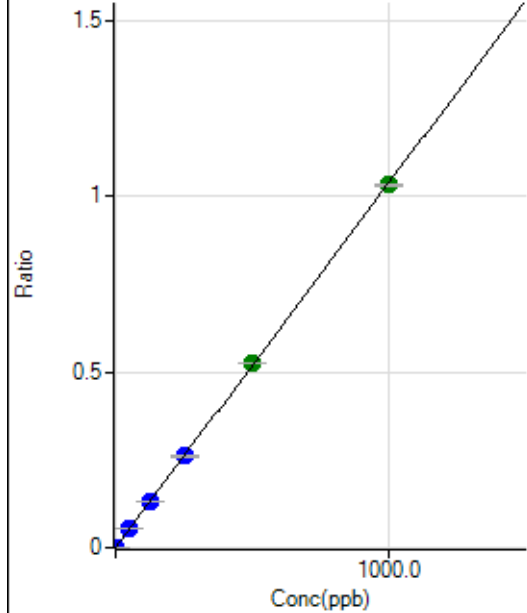
$$R = 0.9999$$

$$DL = 1.798$$

$$BEC = 12.54$$

Weight: &lt;None&gt;

Min Conc: 0

**107 Ag [No Gas] ISTD:159 Tb [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 102.78      | 0.0000 | P    | 12.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.089      | 15089.11    | 0.0011 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 50.000   | 52.233     | 730233.15   | 0.0542 | P    | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 128.295    | 1817904.25  | 0.1331 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 251.870    | 3588682.89  | 0.2613 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 506.442    | 7238673.25  | 0.5253 | A    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.788    | 14249068.90 | 1.0329 | A    | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 2900.42     | 0.0002 | P    | 3.9  |

$$y = 0.0010 * x + 7.6922E-006$$

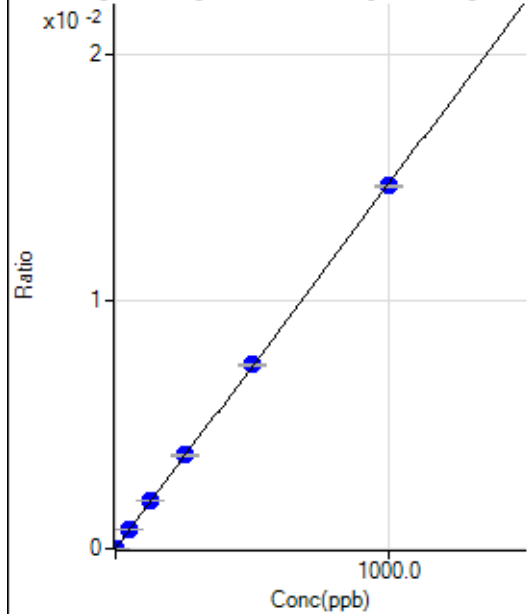
$$R = 1.0000$$

$$DL = 0.002818$$

$$BEC = 0.007416$$

Weight: &lt;None&gt;

Min Conc: 0

**108 Cd [No Gas] ISTD:159 Tb [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.33      | 0.0000 | P    | 86.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.136      | 230.56    | 0.0000 | P    | 8.5  |
| 4 | <input type="checkbox"/> | 50.000   | 52.740     | 10486.05  | 0.0008 | P    | 3.1  |
| 5 | <input type="checkbox"/> | 125.000  | 130.691    | 26324.70  | 0.0019 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 256.423    | 51931.22  | 0.0038 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 504.327    | 102447.23 | 0.0074 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.382    | 202420.64 | 0.0147 | P    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 65.28     | 0.0000 | P    | 20.1 |

$$y = 1.4740E-005 * x + 6.2231E-007$$

$$R = 1.0000$$

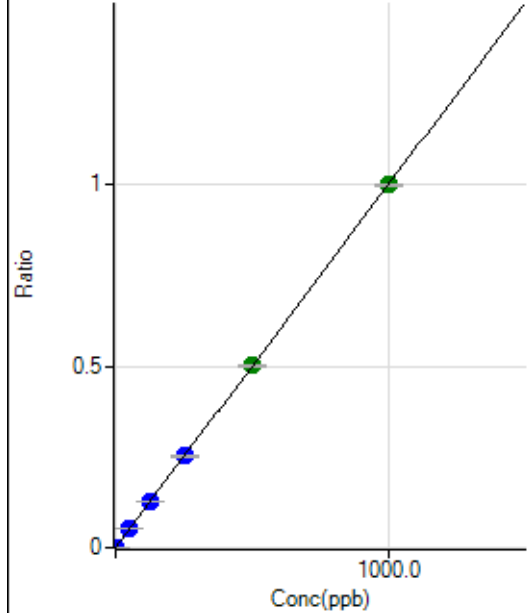
$$DL = 0.1097$$

$$BEC = 0.04222$$

Weight: &lt;None&gt;

Min Conc: 0

109 Ag [No Gas] ISTD :159 Tb [No Gas]



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 63.89       | 0.0000 | P    | 49.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.079      | 14393.98    | 0.0011 | P    | 1.8  |
| 4 | <input type="checkbox"/> | 50.000   | 52.160     | 703212.97   | 0.0522 | P    | 0.0  |
| 5 | <input type="checkbox"/> | 125.000  | 128.294    | 1753149.04  | 0.1283 | P    | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 252.648    | 3471472.74  | 0.2527 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 500.000  | 500.289    | 6896070.29  | 0.5005 | A    | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.674    | 13781907.43 | 0.9990 | A    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 2667.04     | 0.0002 | P    | 6.0  |

$$y = 0.0010 * x + 4.7756E-006$$

$$R = 1.0000$$

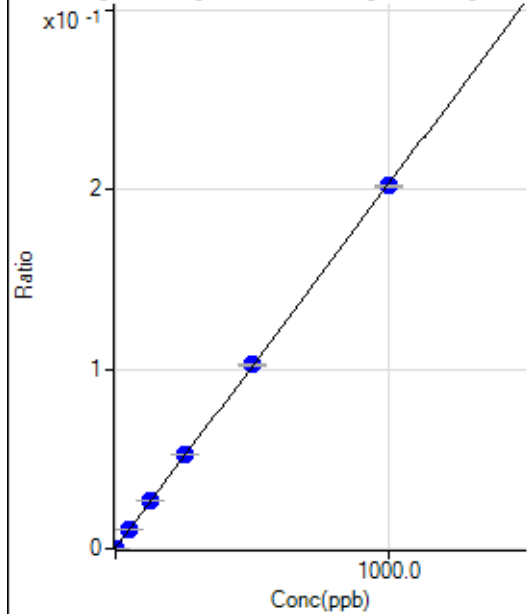
$$DL = 0.00702$$

$$BEC = 0.004774$$

Weight: &lt;None&gt;

Min Conc: 0

111 Cd [No Gas] ISTD :159 Tb [No Gas]



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2591.29    | 0.0002 | P    | 5.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.028      | 5339.18    | 0.0004 | P    | 1.1 |
| 4 | <input type="checkbox"/> | 50.000   | 52.852     | 147071.31  | 0.0109 | P    | 0.1 |
| 5 | <input type="checkbox"/> | 125.000  | 130.680    | 364704.66  | 0.0267 | P    | 0.4 |
| 6 | <input type="checkbox"/> | 250.000  | 258.198    | 721994.54  | 0.0526 | P    | 1.2 |
| 7 | <input type="checkbox"/> | 500.000  | 503.659    | 1410306.11 | 0.1023 | P    | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 995.268    | 2787454.97 | 0.2021 | P    | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 3014.78    | 0.0002 | P    | 4.3 |

$$y = 2.0282E-004 * x + 1.9386E-004$$

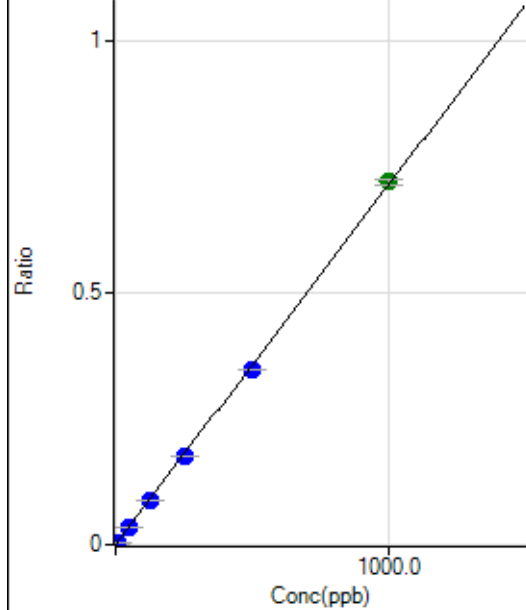
$$R = 0.9999$$

$$DL = 0.142$$

$$BEC = 0.9558$$

Weight: &lt;None&gt;

Min Conc: 0

**118 Sn [No Gas] ISTD :159 Tb [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 908.41     | 0.0001 | P    | 3.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.029      | 48601.64   | 0.0037 | P    | 0.5 |
| 4 | <input type="checkbox"/> | 50.000   | 50.076     | 483216.46  | 0.0359 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 123.643    | 1208015.12 | 0.0884 | P    | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 246.178    | 2417743.69 | 0.1760 | P    | 0.8 |
| 7 | <input type="checkbox"/> | 500.000  | 485.013    | 4777433.40 | 0.3467 | P    | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 1008.614   | 9945118.97 | 0.7209 | A    | 1.2 |
| 9 | <input type="checkbox"/> |          |            | 10974.21   | 0.0008 | P    | 8.5 |

$$y = 7.1469\text{E-}004 * x + 6.7972\text{E-}005$$

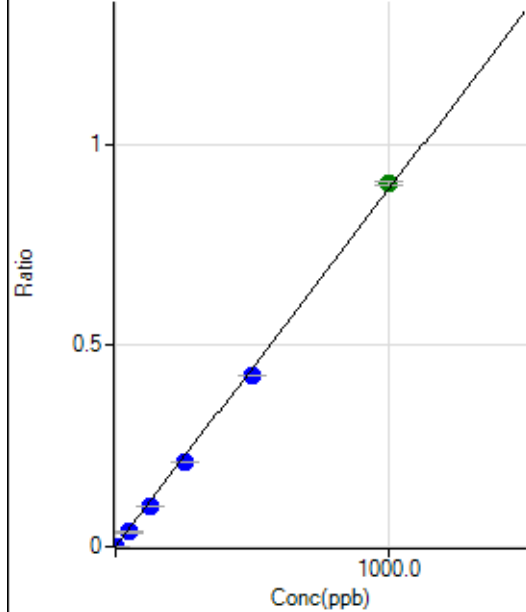
$$R = 0.9998$$

$$DL = 0.00845$$

$$BEC = 0.09511$$

Weight: &lt;None&gt;

Min Conc: 0

**121 Sb [No Gas] ISTD :159 Tb [No Gas]**

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 630.60      | 0.0000 | P    | 10.1 |
| 2 | <input type="checkbox"/> | 0.200    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.040      | 24650.21    | 0.0019 | P    | 0.3  |
| 4 | <input type="checkbox"/> | 50.000   | 40.691     | 487249.72   | 0.0362 | P    | 2.9  |
| 5 | <input type="checkbox"/> | 125.000  | 112.790    | 1367726.42  | 0.1001 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 250.000  | 235.878    | 2875700.76  | 0.2093 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 478.888    | 5856049.48  | 0.4250 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1016.078   | 12438456.35 | 0.9016 | A    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 67212.13    | 0.0050 | P    | 6.5  |

$$y = 8.8732\text{E-}004 * x + 4.7189\text{E-}005$$

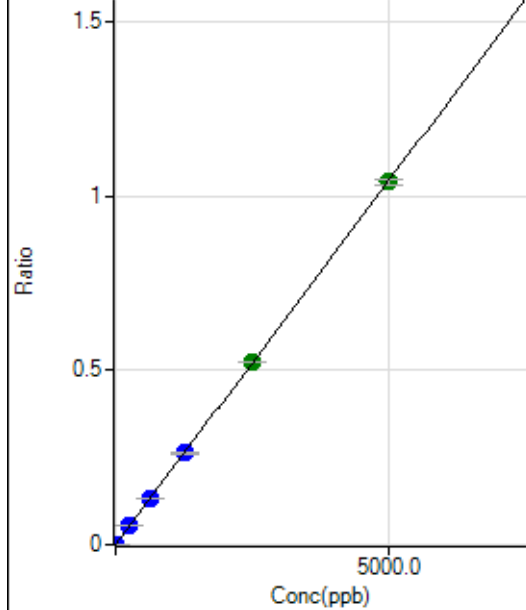
$$R = 0.9995$$

$$DL = 0.01615$$

$$BEC = 0.05318$$

Weight: &lt;None&gt;

Min Conc: 0

**135 Ba [No Gas] ISTD :159 Tb [No Gas]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 72.23       | 0.0000 | P    | 13.3 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.927      | 27558.83    | 0.0021 | P    | 0.3  |
| 4 | <input type="checkbox"/> | 250.000  | 252.726    | 710580.20   | 0.0527 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 625.000  | 628.746    | 1791824.87  | 0.1312 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 1250.000 | 1256.389   | 3600335.97  | 0.2621 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 2500.000 | 2516.316   | 7233841.83  | 0.5250 | A    | 0.6  |
| 8 | <input type="checkbox"/> | 5000.000 | 4989.640   | 14359834.70 | 1.0409 | A    | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 5067.82     | 0.0004 | P    | 10.9 |

$$y = 2.0862\text{E-}004 * x + 5.4042\text{E-}006$$

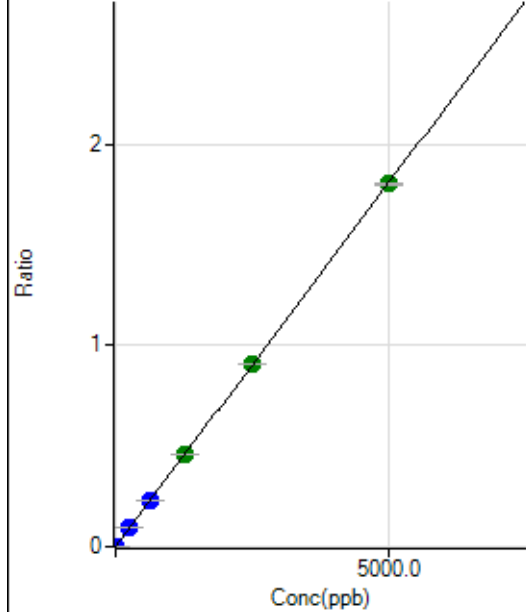
$$R = 1.0000$$

$$DL = 0.01036$$

$$BEC = 0.0259$$

Weight: &lt;None&gt;

Min Conc: 0

**137 Ba [No Gas] ISTD :159 Tb [No Gas]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.01       | 0.0000 | P    | 55.9 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.033     | 48195.88    | 0.0036 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 250.000  | 252.452    | 1229508.90  | 0.0912 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 625.000  | 631.887    | 3119396.62  | 0.2284 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1269.836   | 6303351.92  | 0.4589 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2510.483   | 12501673.37 | 0.9072 | A    | 0.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.816   | 24871360.80 | 1.8029 | A    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 8425.08     | 0.0006 | P    | 2.3  |

$$y = 3.6138\text{E-}004 * x + 5.6204\text{E-}006$$

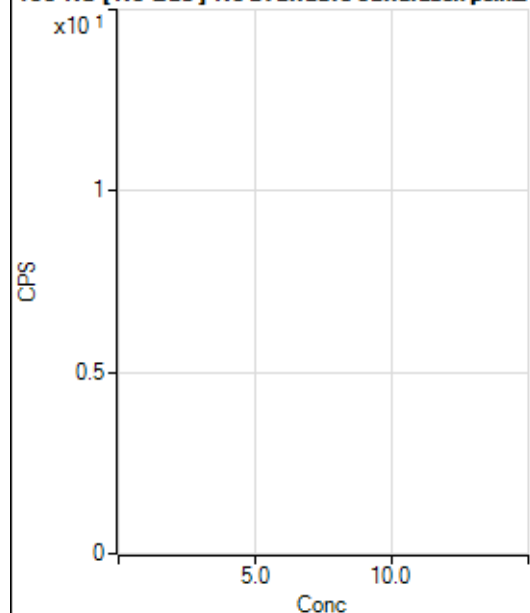
$$R = 1.0000$$

$$DL = 0.02606$$

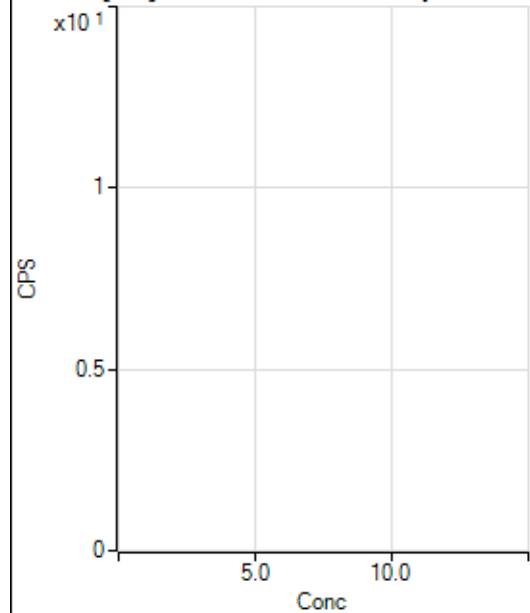
$$BEC = 0.01555$$

Weight: &lt;None&gt;

Min Conc: 0

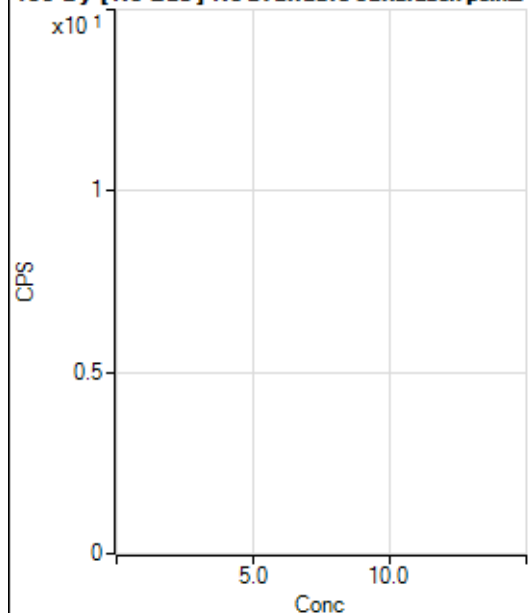
**150 Nd [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 15.56  |       | P        | 65.5  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |       |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 173.2 |
| 4 | <input type="checkbox"/> |       |            | 44.45  |       | P        | 48.2  |
| 5 | <input type="checkbox"/> |       |            | 120.01 |       | P        | 14.7  |
| 6 | <input type="checkbox"/> |       |            | 202.23 |       | P        | 1.9   |
| 7 | <input type="checkbox"/> |       |            | 453.36 |       | P        | 16.7  |
| 8 | <input type="checkbox"/> |       |            | 784.50 |       | P        | 14.3  |
| 9 | <input type="checkbox"/> |       |            | 175.56 |       | P        | 24.4  |

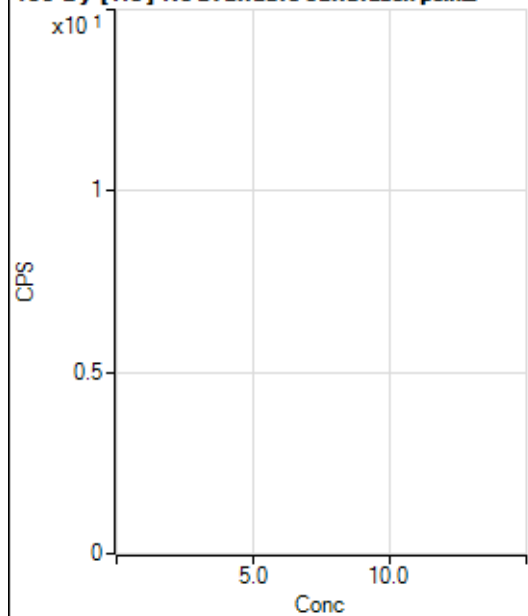
**150 Nd [ He ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 15.55  |       | P        | 68.9 |
| 6 | <input type="checkbox"/> |       |            | 28.89  |       | P        | 35.2 |
| 7 | <input type="checkbox"/> |       |            | 93.34  |       | P        | 17.9 |
| 8 | <input type="checkbox"/> |       |            | 128.89 |       | P        | 8.3  |
| 9 | <input type="checkbox"/> |       |            | 82.22  |       | P        | 29.9 |

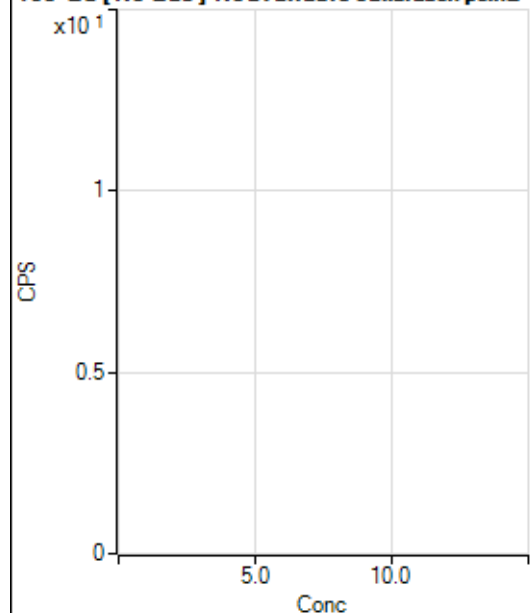


**156 Dy [ No Gas ] No available calibration points**

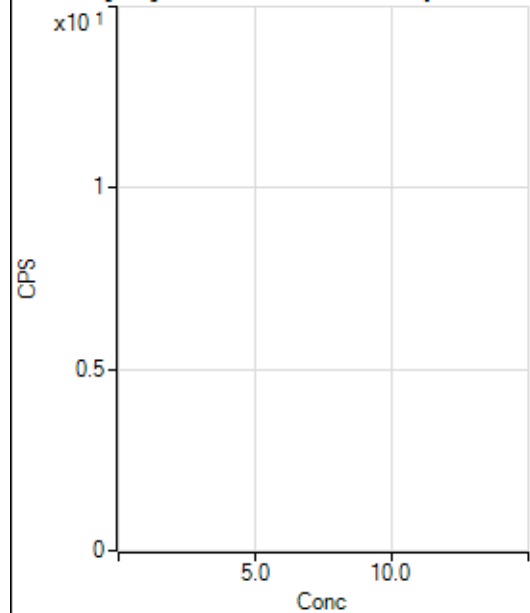
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 0.0   |
| 2 | <input type="checkbox"/> |       |            |        |       |          |       |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 86.6  |
| 4 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 132.3 |
| 5 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 60.2  |
| 6 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 28.6  |
| 7 | <input type="checkbox"/> |       |            | 163.90 |       | P        | 36.1  |
| 8 | <input type="checkbox"/> |       |            | 216.68 |       | P        | 13.3  |
| 9 | <input type="checkbox"/> |       |            | 216.68 |       | P        | 25.2  |

**156 Dy [ He ] No available calibration points**

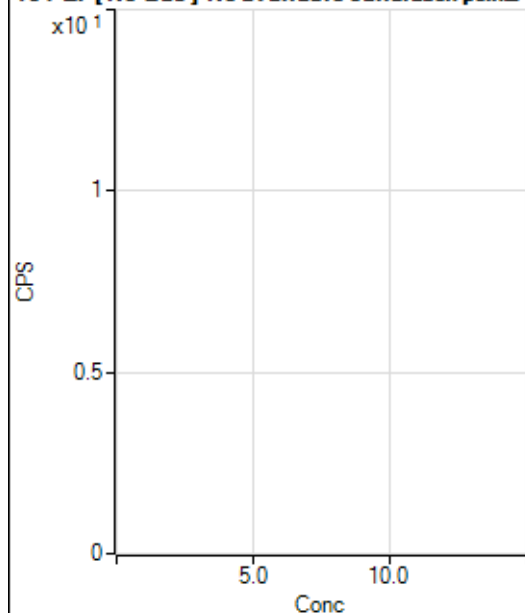
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD   |
|---|--------------------------|-------|------------|--------|-------|----------|-------|
| 1 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 91.6  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |       |
| 3 | <input type="checkbox"/> |       |            | 5.56   |       | P        | 34.7  |
| 4 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173.2 |
| 5 | <input type="checkbox"/> |       |            | 12.22  |       | P        | 31.5  |
| 6 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 42.1  |
| 7 | <input type="checkbox"/> |       |            | 65.56  |       | P        | 28.0  |
| 8 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 24.2  |
| 9 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 37.9  |

**160 Gd [ No Gas ] Noavailable calibration poin\_**

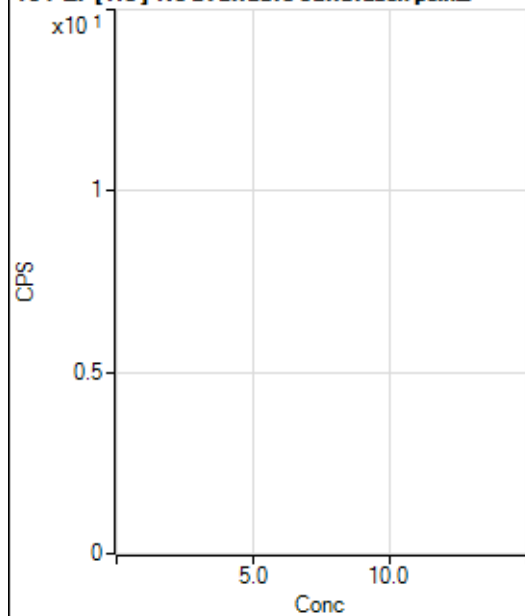
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 113.89 |       | P        | 54.9 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 119.45 |       | P        | 24.5 |
| 4 | <input type="checkbox"/> |       |            | 97.23  |       | P        | 62.0 |
| 5 | <input type="checkbox"/> |       |            | 113.90 |       | P        | 16.9 |
| 6 | <input type="checkbox"/> |       |            | 161.12 |       | P        | 24.4 |
| 7 | <input type="checkbox"/> |       |            | 213.90 |       | P        | 18.0 |
| 8 | <input type="checkbox"/> |       |            | 188.90 |       | P        | 22.2 |
| 9 | <input type="checkbox"/> |       |            | 241.68 |       | P        | 12.4 |

**160 Gd [ He ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 52.22  |       | P        | 32.1 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 45.55  |       | P        | 29.6 |
| 4 | <input type="checkbox"/> |       |            | 62.22  |       | P        | 20.3 |
| 5 | <input type="checkbox"/> |       |            | 37.78  |       | P        | 5.1  |
| 6 | <input type="checkbox"/> |       |            | 64.45  |       | P        | 39.5 |
| 7 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 30.2 |
| 8 | <input type="checkbox"/> |       |            | 87.78  |       | P        | 9.6  |
| 9 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 7.6  |

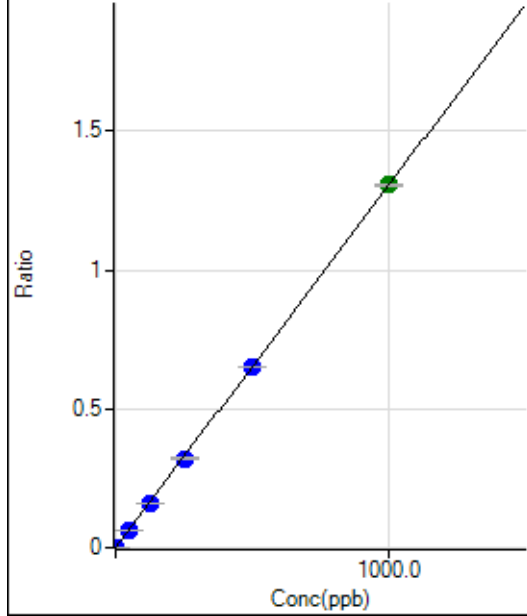
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 25.0 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 36.1 |
| 4 | <input type="checkbox"/> |       |            | 61.12  |       | P        | 7.9  |
| 5 | <input type="checkbox"/> |       |            | 72.23  |       | P        | 13.3 |
| 6 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 20.8 |
| 7 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 47.8 |
| 8 | <input type="checkbox"/> |       |            | 86.12  |       | P        | 14.8 |
| 9 | <input type="checkbox"/> |       |            | 158.34 |       | P        | 24.1 |

**164 Er [ He ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 31.2 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 28.89 |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 45.8 |
| 5 | <input type="checkbox"/> |       |            | 26.67 |       | P        | 37.5 |
| 6 | <input type="checkbox"/> |       |            | 40.00 |       | P        | 16.7 |
| 7 | <input type="checkbox"/> |       |            | 60.00 |       | P        | 16.7 |
| 8 | <input type="checkbox"/> |       |            | 37.78 |       | P        | 35.7 |
| 9 | <input type="checkbox"/> |       |            | 66.67 |       | P        | 30.4 |

203 Tl [No Gas] ISTD :209 Bi [No Gas]



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 294.46      | 0.0000 | P    | 23.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.006      | 10690.87    | 0.0013 | P    | 2.4  |
| 4 | <input type="checkbox"/> | 50.000   | 48.757     | 519333.55   | 0.0636 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 123.705    | 1302548.71  | 0.1613 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 246.394    | 2609231.29  | 0.3212 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 500.000  | 498.673    | 5269894.87  | 0.6500 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.789   | 10684165.08 | 1.3057 | A    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 5279.07     | 0.0007 | P    | 7.2  |

$$y = 0.0013 * x + 3.6762E-005$$

$$R = 1.0000$$

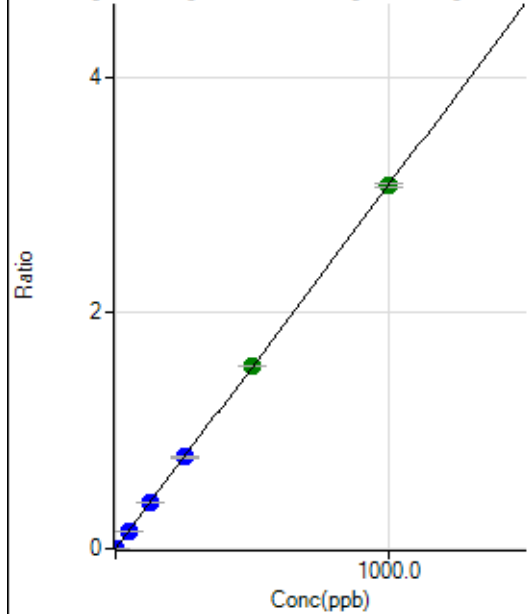
$$DL = 0.0199$$

$$BEC = 0.02821$$

Weight: &lt;None&gt;

Min Conc: 0

205 Tl [No Gas] ISTD :209 Bi [No Gas]



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 672.28      | 0.0001 | P    | 19.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.993      | 24954.84    | 0.0031 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 50.000   | 49.187     | 1239911.66  | 0.1518 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 125.201    | 3120053.26  | 0.3863 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 251.403    | 6301213.77  | 0.7755 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 503.253    | 12587081.27 | 1.5524 | A    | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.038    | 25191449.00 | 3.0786 | A    | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 12106.05    | 0.0017 | P    | 10.0 |

$$y = 0.0031 * x + 8.3916E-005$$

$$R = 1.0000$$

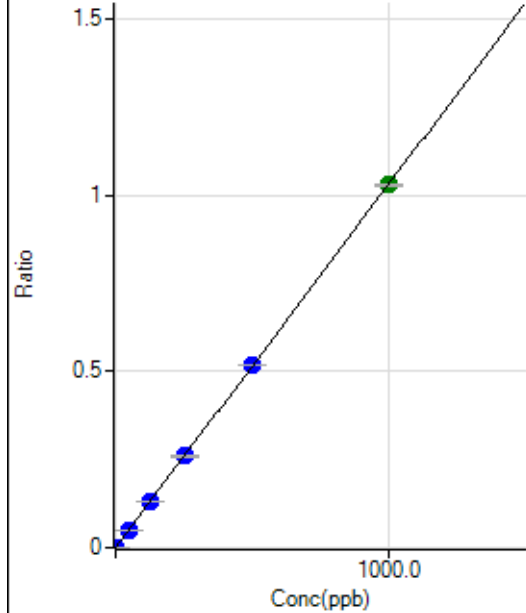
$$DL = 0.01549$$

$$BEC = 0.02721$$

Weight: &lt;None&gt;

Min Conc: 0

206 [Pb] [No Gas] ISTD :209 Bi [No Gas]



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1776.10    | 0.0002 | P    | 5.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.420      | 13355.25   | 0.0017 | P    | 0.9 |
| 4 | <input type="checkbox"/> | 50.000   | 49.341     | 416900.87  | 0.0510 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 125.338    | 1044572.68 | 0.1293 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 251.411    | 2105752.31 | 0.2592 | P    | 0.8 |
| 7 | <input type="checkbox"/> | 500.000  | 501.282    | 4188159.18 | 0.5165 | P    | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.996    | 8422022.70 | 1.0292 | A    | 0.2 |
| 9 | <input type="checkbox"/> |          |            | 16469.89   | 0.0023 | P    | 0.9 |

$$y = 0.0010 * x + 2.2153E-004$$

$$R = 1.0000$$

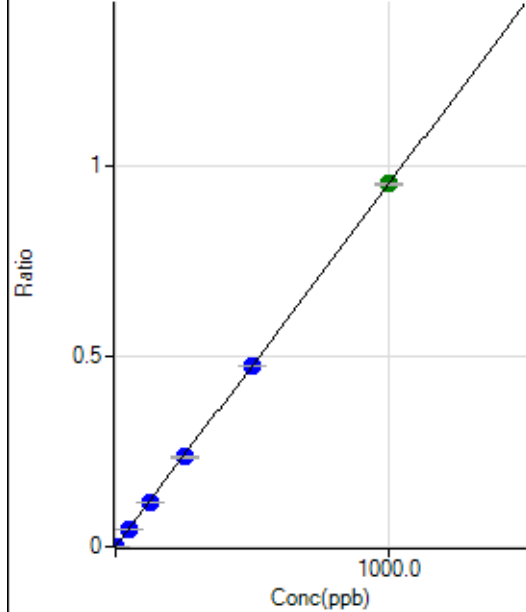
$$DL = 0.03351$$

$$BEC = 0.2151$$

Weight: &lt;None&gt;

Min Conc: 0

207 [Pb] [No Gas] ISTD :209 Bi [No Gas]



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1518.65    | 0.0002 | P    | 7.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.348      | 11642.46   | 0.0015 | P    | 0.9 |
| 4 | <input type="checkbox"/> | 50.000   | 49.027     | 381534.31  | 0.0467 | P    | 1.4 |
| 5 | <input type="checkbox"/> | 125.000  | 123.678    | 949527.52  | 0.1176 | P    | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 248.100    | 1914284.23 | 0.2356 | P    | 1.6 |
| 7 | <input type="checkbox"/> | 500.000  | 498.265    | 3835310.36 | 0.4730 | P    | 0.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.556   | 7778996.07 | 0.9506 | A    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 14029.96   | 0.0019 | P    | 1.3 |

$$y = 9.4895E-004 * x + 1.8938E-004$$

$$R = 1.0000$$

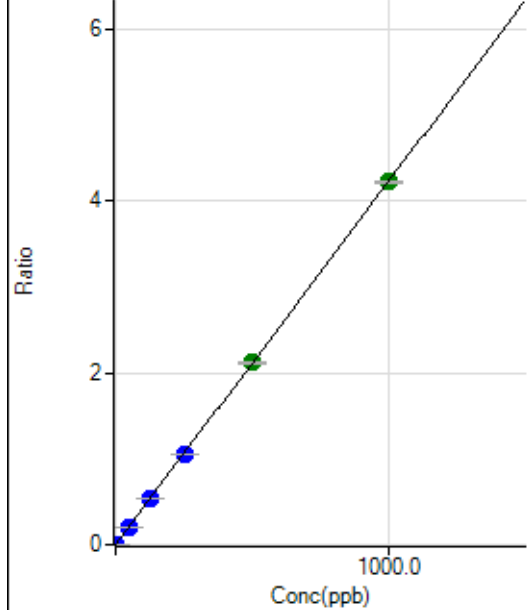
$$DL = 0.04227$$

$$BEC = 0.1996$$

Weight: &lt;None&gt;

Min Conc: 0

208 Pb [No Gas] ISTD :209 Bi [No Gas]



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6973.17     | 0.0009 | P   | 2.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.390      | 53491.82    | 0.0067 | P   | 0.7 |
| 4 | <input type="checkbox"/> | 50.000   | 49.126     | 1704311.20  | 0.2087 | P   | 0.9 |
| 5 | <input type="checkbox"/> | 125.000  | 124.681    | 4266988.07  | 0.5283 | P   | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 249.491    | 8581276.45  | 1.0562 | P   | 1.1 |
| 7 | <input type="checkbox"/> | 500.000  | 501.901    | 17220379.58 | 2.1239 | A   | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.260    | 34594578.20 | 4.2276 | A   | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 65069.49    | 0.0089 | P   | 0.2 |

$$y = 0.0042 * x + 8.6975E-004$$

$$R = 1.0000$$

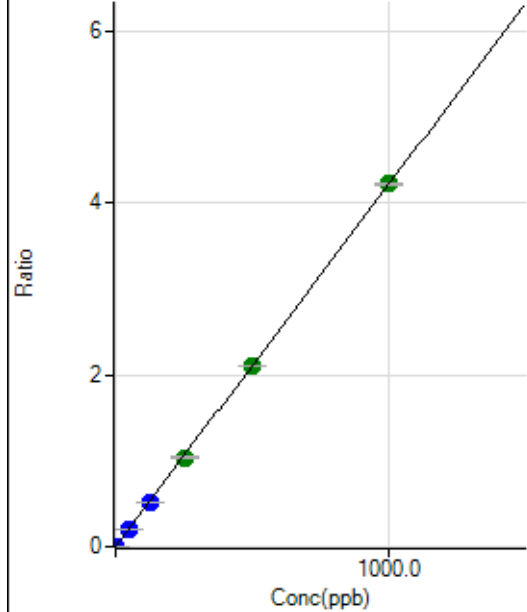
$$DL = 0.01604$$

$$BEC = 0.2056$$

Weight: &lt;None&gt;

Min Conc: 0

238 U [No Gas] ISTD :209 Bi [No Gas]



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 219.46      | 0.0000 | P   | 1.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.999      | 33611.20    | 0.0042 | P   | 2.7 |
| 4 | <input type="checkbox"/> | 50.000   | 47.505     | 1637118.96  | 0.2004 | P   | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 121.363    | 4135721.53  | 0.5120 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 250.000  | 246.503    | 8449086.13  | 1.0399 | A   | 1.2 |
| 7 | <input type="checkbox"/> | 500.000  | 498.613    | 17055215.66 | 2.1035 | A   | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.147   | 34595158.76 | 4.2277 | A   | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 7813.80     | 0.0011 | P   | 8.1 |

$$y = 0.0042 * x + 2.7374E-005$$

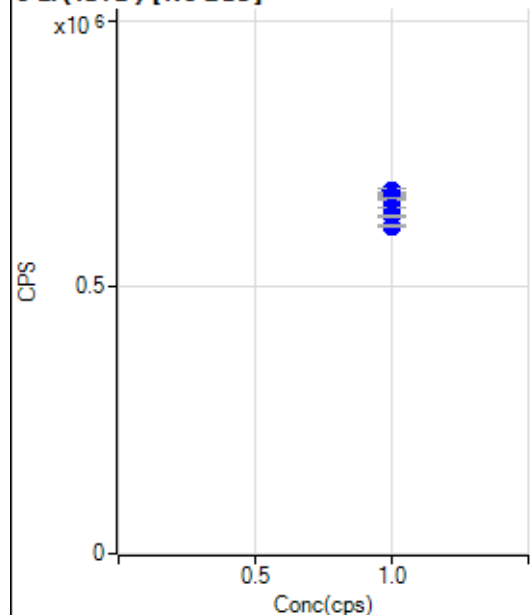
$$R = 1.0000$$

$$DL = 0.0003421$$

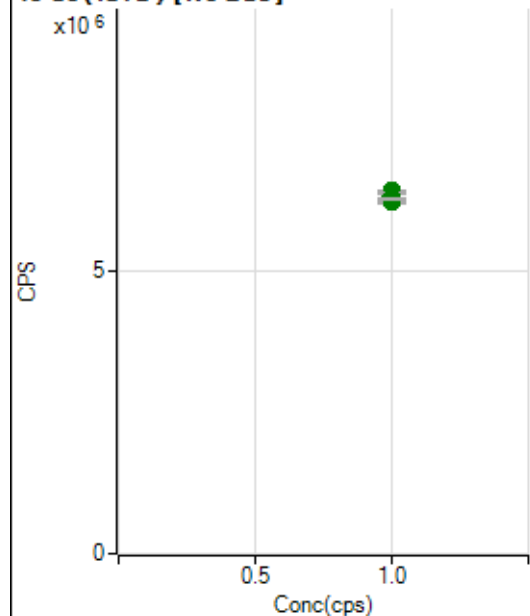
$$BEC = 0.006489$$

Weight: &lt;None&gt;

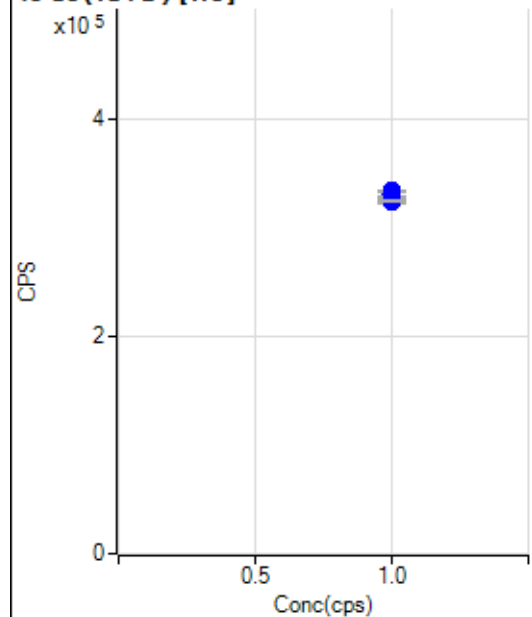
Min Conc: 0

**6 Li (ISTD) [No Gas]**

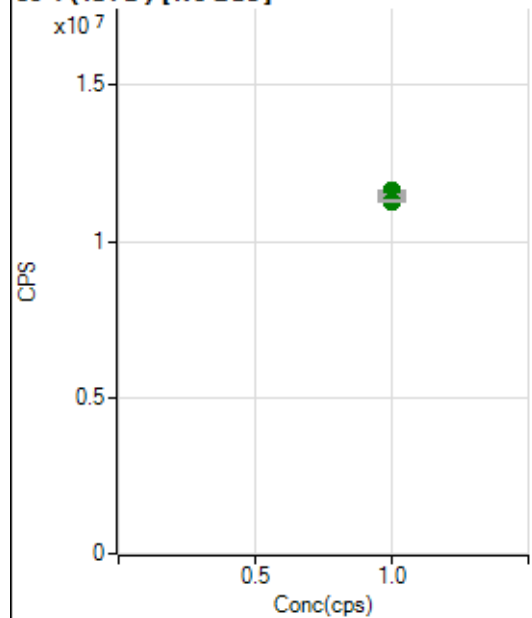
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 669911.66 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 671011.53 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 680279.77 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 671690.26 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 665373.35 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 648391.86 |       | P        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 633808.36 |       | P        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 613636.08 |       | P        | 0.7 |

**45 Sc (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6322109.73 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6279504.83 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6405311.08 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6373971.15 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6365756.56 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6210355.52 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6231630.30 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6268755.96 |       | A        | 0.5 |

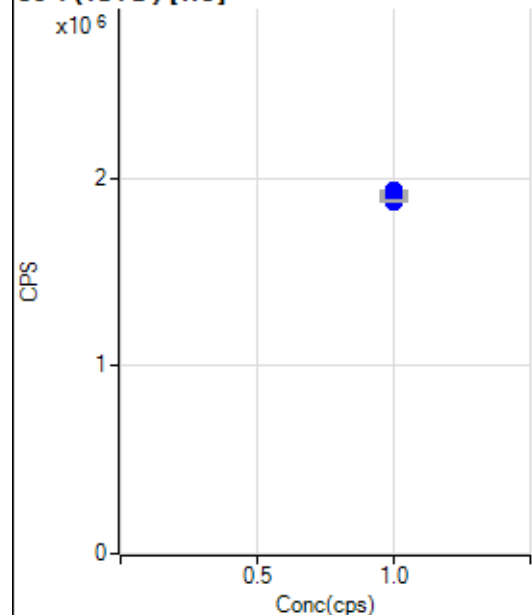
**45 Sc (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 325996.48 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 328876.94 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 334534.03 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 330999.97 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 329249.62 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 323635.48 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 326452.08 |       | P        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 325509.97 |       | P        | 0.2 |

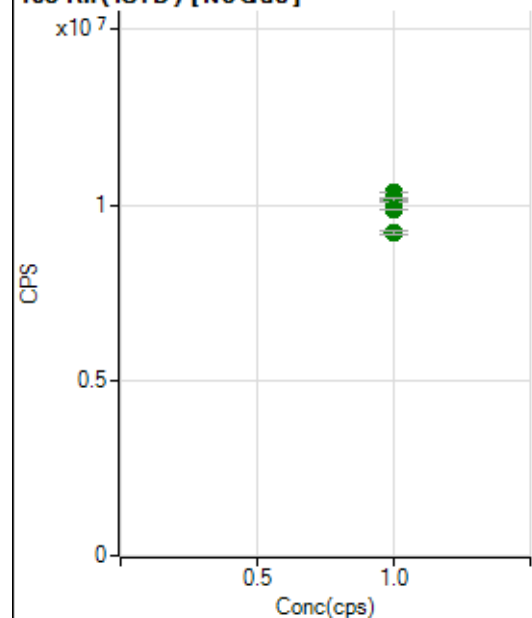
**89 Y (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11490871.36 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 11356607.19 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11602036.91 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11618189.83 |       | A        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11597362.88 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11386154.69 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11477374.69 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 11294224.97 |       | A        | 0.3 |

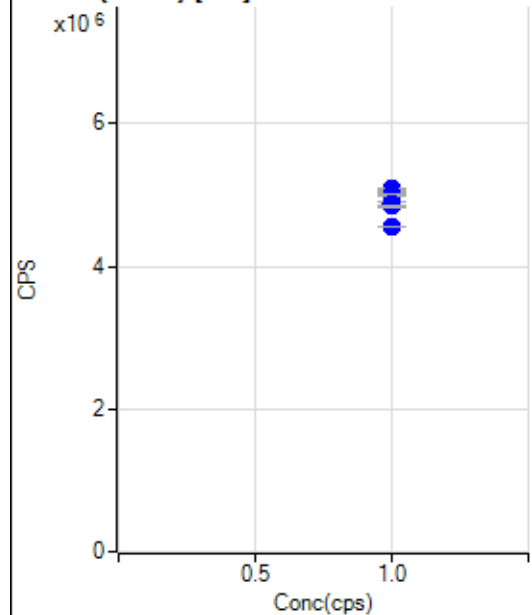


**89 Y(ISTD) [He]**

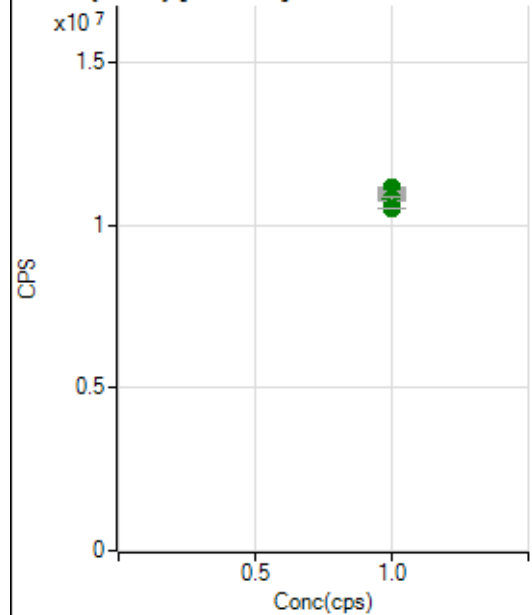
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1887040.56 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1904822.30 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1932146.55 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1921009.54 |       | P        | 0.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1916054.31 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1880793.65 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1889634.64 |       | P        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1878647.52 |       | P        | 0.8 |

**103 Rh(ISTD) [No Gas]**

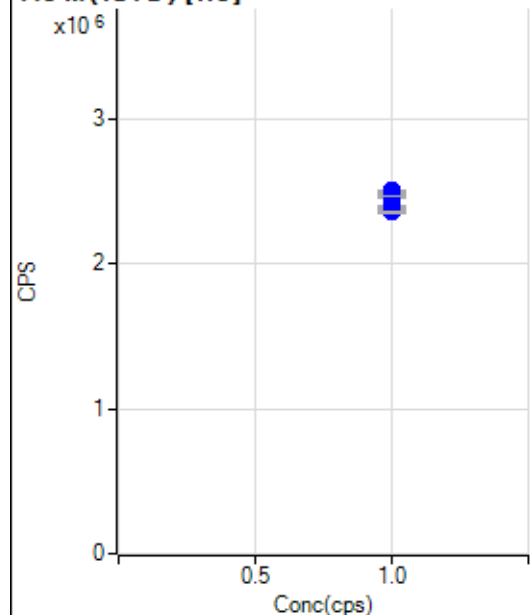
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10197150.31 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 10156592.50 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10345346.67 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10189362.90 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10140444.58 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9859007.86  |       | A        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9859236.42  |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9211313.06  |       | A        | 0.7 |

**103 Rh (ISTD) [He]**

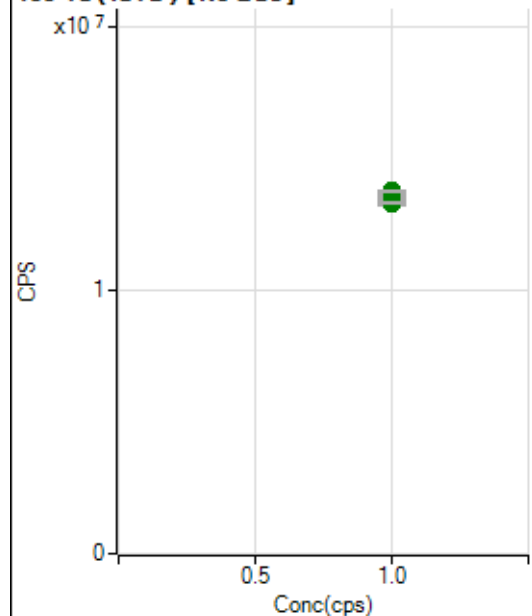
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5027833.71 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5044718.12 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5083411.97 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5022148.81 |       | P        | 0.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4998724.34 |       | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4874029.20 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4837042.39 |       | P        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4557746.08 |       | P        | 0.3 |

**115 In (ISTD) [No Gas]**

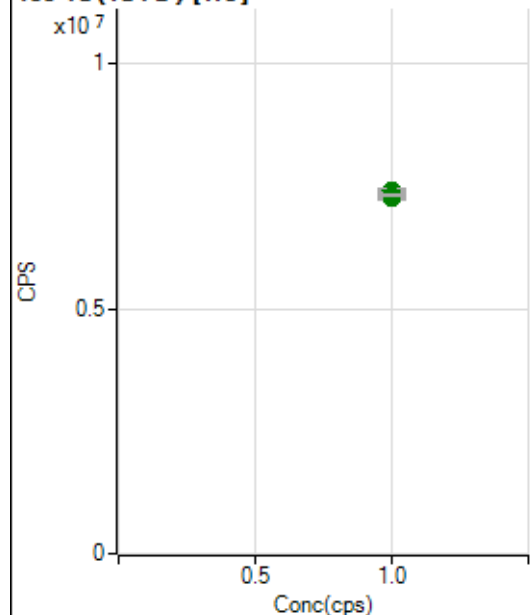
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 11065520.19 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 10880968.63 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11147504.09 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11002992.18 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11034498.07 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10809538.35 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10795563.29 |       | A        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 10526628.24 |       | A        | 0.2 |

**115 In (ISTD) [He]**

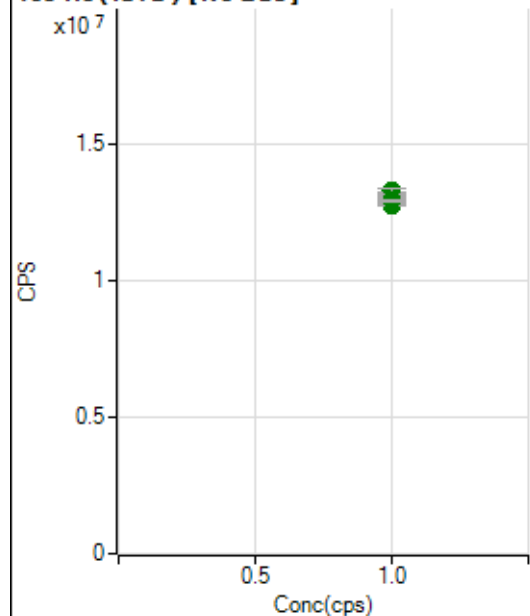
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2460098.25 |       | P        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2463733.18 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2500478.92 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2472743.16 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2467729.21 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2396547.44 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2368767.46 |       | P        | 0.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2358283.58 |       | P        | 0.5 |

**159 Tb (ISTD) [No Gas]**

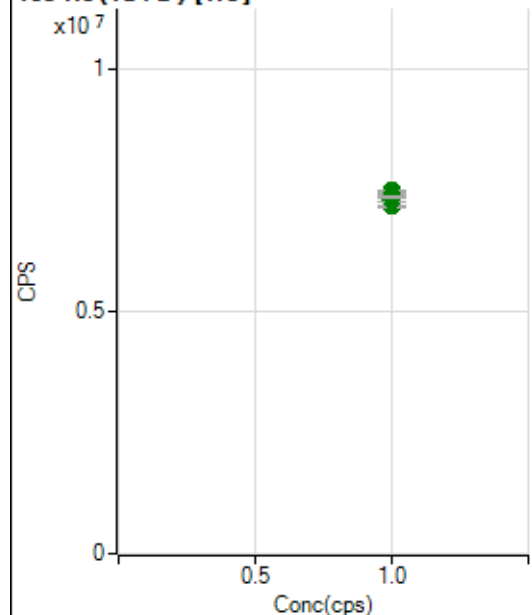
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13365009.80 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 13272902.72 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13476465.35 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13660378.69 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13737109.52 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 13779875.77 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 13795853.82 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 13354914.52 |       | A        | 0.4 |

**159 Tb (ISTD) [He]**

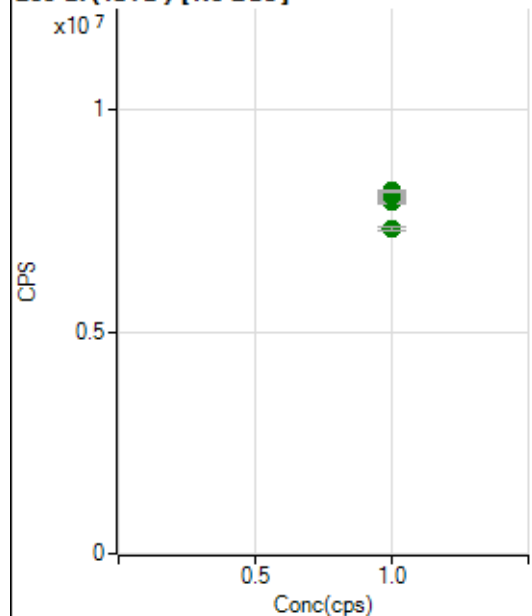
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7249817.60 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7254558.02 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7347272.53 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7373776.14 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7406942.11 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7391783.01 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7409155.72 |       | A        | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7305876.00 |       | A        | 0.5 |

**165 Ho (ISTD) [No Gas]**

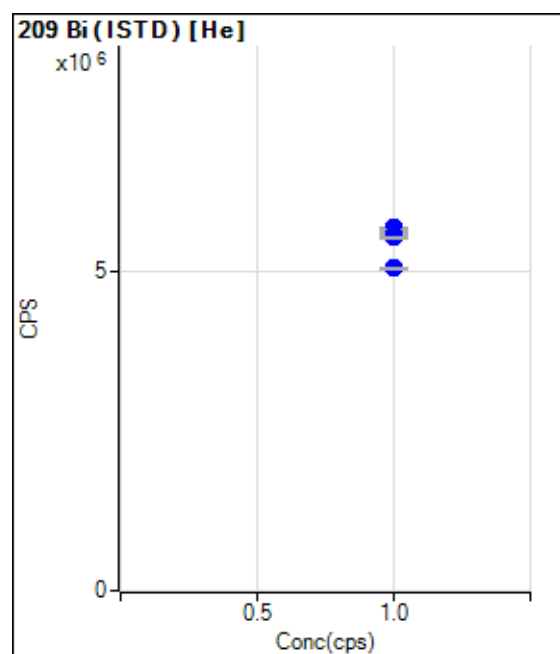
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12834617.73 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 12779802.37 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12980820.78 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13022546.90 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 13169101.08 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 13237193.00 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 13316209.33 |       | A        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 12960463.57 |       | A        | 0.7 |

**165 Ho (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7183613.64 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7308768.36 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7441816.00 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7439551.97 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7493373.22 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7411841.83 |       | A        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7493206.21 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7370945.38 |       | A        | 0.3 |

**209 Bi (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8016731.69 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7928169.81 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8167797.10 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8077486.41 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8125387.45 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8108154.67 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8183127.10 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7310941.97 |       | A        | 1.2 |



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5534266.86 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5543581.79 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5678717.28 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5635318.73 |       | P        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5643243.18 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5572581.58 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5528130.61 |       | P        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5041885.31 |       | P        | 0.5 |

US EPA Tune Check Sample Report

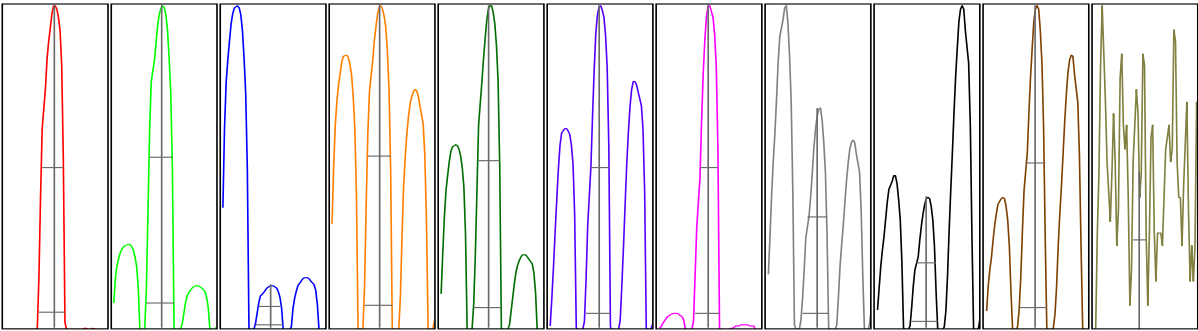
Batch Folder D:\ICP-MS Data\P7033117.b  
Report Comment  
Instrument Name G8403A JP14410463

[No Gas]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
|------|-----------------|------------------|--------------------|----------------|
| 9    | 43132           | 0.61             | 5.00               |                |
| 24   | 2105686         | 0.69             | 5.00               |                |
| 25   | 286488          | 0.34             | 5.00               |                |
| 26   | 338851          | 0.58             | 5.00               |                |
| 59   | 779048          | 0.49             | 5.00               |                |
| 113  | 135437          | 0.45             | 5.00               |                |
| 115  | 2101474         | 0.30             | 5.00               |                |
| 206  | 262852          | 0.74             | 5.00               |                |
| 207  | 228878          | 0.78             | 5.00               |                |
| 208  | 553730          | 0.72             | 5.00               |                |
| 220  | 10              | 33.29            |                    |                |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 42900                | 42903                | 43066                | 43519                | 43272                |
| 24   | 2094984              | 2092657              | 2098328              | 2124910              | 2117553              |
| 25   | 286116               | 285353               | 286543               | 288027               | 286400               |
| 26   | 338032               | 336308               | 338630               | 341538               | 339749               |
| 59   | 776100               | 774562               | 781727               | 783830               | 779020               |
| 113  | 135312               | 135001               | 135983               | 136146               | 134739               |
| 115  | 2096150              | 2101521              | 2111821              | 2101538              | 2096338              |
| 206  | 259844               | 262256               | 263806               | 263349               | 265007               |
| 207  | 226262               | 228320               | 231103               | 228971               | 229734               |
| 208  | 547171               | 553661               | 555241               | 557854               | 554722               |
| 220  | 12                   | 13                   | 7                    | 10                   | 6                    |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 7201           | 9.00             | 8.9 - 9.1          |                | 0.782                | 0.900                  |                        |
| 24   | 334533         | 23.95            | 23.9 - 24.1        |                | 0.811                | 0.900                  |                        |
| 25   | 45483          | 24.95            | 24.9 - 25.1        |                | 0.796                | 0.900                  |                        |
| 26   | 53683          | 25.95            | 25.9 - 26.1        |                | 0.815                | 0.900                  |                        |
| 59   | 129594         | 58.95            | 58.9 - 59.1        |                | 0.802                | 0.900                  |                        |
| 113  | 25091          | 113.00           | 112.9 - 113.1      |                | 0.736                | 0.900                  |                        |
| 115  | 390656         | 115.00           | 114.9 - 115.1      |                | 0.737                | 0.900                  |                        |
| 206  | 50187          | 206.00           | 205.9 - 206.1      |                | 0.778                | 0.900                  |                        |
| 207  | 43072          | 207.00           | 206.9 - 207.1      |                | 0.776                | 0.900                  |                        |
| 208  | 105757         | 208.00           | 207.9 - 208.1      |                | 0.784                | 0.900                  |                        |
| 220  | 1              | 219.85           | -                  |                |                      |                        |                        |

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 268 Y Axis = Linear

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName | Value | Unit |
|---------------|-------|------|----------------|-------|-------|---------------|-------|------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.80  | L/min |               |       |      |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     |               |       |      |
| Smpl Depth    | 10.0  | mm   | Nebulizer Pump | 0.10  | rps   |               |       |      |
| S/C Temp      | 2     | °C   |                |       |       |               |       |      |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 8.6   | V    |               |       |      |
| Extract 2     | -195.0 | V    | Cell Entrance | -30   | V    |               |       |      |
| Omega Bias    | -95    | V    | Cell Exit     | -50   | V    |               |       |      |
| Deflect       | 14.2   | V    |               |       |      |               |       |      |

## Cell Parameters ##

| ParameterName         | Value | Unit   | ParameterName | Value | Unit | ParameterName | Value | Unit |
|-----------------------|-------|--------|---------------|-------|------|---------------|-------|------|
| Use Gas               | false |        | OctP Bias     | -8.0  | V    |               |       |      |
| He Flow               | 0.0   | mL/min | OctP RF       | 200   | V    |               |       |      |
| Energy Discrimination | 5.0   | V      |               |       |      |               |       |      |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 225244          | 0.92             |                    |
| 89   | 190484          | 0.87             |                    |
| 205  | 272098          | 1.17             |                    |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 227193               | 226252               | 225291               | 225703               | 221780               |
| 89   | 191526               | 191337               | 191242               | 190750               | 187567               |
| 205  | 275160               | 273832               | 273518               | 270873               | 267105               |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName | Value | Unit |
|---------------|-------|------|----------------|-------|-------|---------------|-------|------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.80  | L/min |               |       |      |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     |               |       |      |
| Smpl Depth    | 10.0  | mm   | Nebulizer Pump | 0.10  | rps   |               |       |      |
| S/C Temp      | 2     | °C   |                |       |       |               |       |      |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 9.2   | V    |               |       |      |
| Extract 2     | -195.0 | V    | Cell Entrance | -40   | V    |               |       |      |
| Omega Bias    | -90    | V    | Cell Exit     | -60   | V    |               |       |      |
| Deflect       | 3.4    | V    |               |       |      |               |       |      |

## Cell Parameters ##

| ParameterName         | Value | Unit   | ParameterName | Value | Unit | ParameterName | Value | Unit |
|-----------------------|-------|--------|---------------|-------|------|---------------|-------|------|
| Use Gas               | true  |        | OctP Bias     | -18.0 | V    |               |       |      |
| He Flow               | 4.1   | mL/min | OctP RF       | 200   | V    |               |       |      |
| Energy Discrimination | 5.0   | V      |               |       |      |               |       |      |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:17:23 | DataFile Name :   | 003CALB_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.47    | -0.27   | -0.19   | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Arsenic    | 75-2  | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Barium     | 135-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Barium     | 137-1 | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Beryllium  | 9-1   | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 0.09    | 0.08    | -0.17   | 0.00       | N/A     | ppb   |
| Boron      | 11-1  | 0.07    | -0.03   | -0.05   | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | -0.53   | 0.65    | -0.12   | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | -0.04   | 0.02    | 0.02    | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | -0.04   | 0.05    | -0.01   | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | -1.59   | -0.85   | 2.44    | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | 0.23    | 1.43    | -1.66   | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Copper     | 63-2  | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.02    | -0.03   | 0.01    | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | 0.13    | -0.03   | -0.10   | 0.00       | N/A     | ppb   |
| Lead       | 206-1 | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 207-1 | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Lead       | 208-1 | 0.00    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | -0.31   | 0.40    | -0.10   | 0.00       | N/A     | ppb   |
| Manganese  | 55-2  | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:17:23 | DataFile Name :   | 003CALB_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | -0.01   | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 96-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 97-1  | -0.01   | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Molybdenum | 98-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.02   | -0.01   | 0.03    | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | -16.24  | -2.41   | 1.76    | -5.63      |         | ppb   |
| Potassium  | 39-2  | -1.07   | -1.36   | 2.43    | 0.00       | N/A     | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.04   | -0.88   | 0.93    | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | 0.46    | -0.82   | 0.35    | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | -1.95   | 3.03    | -1.08   | 0.00       | N/A     | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sodium     | 23-2  | 0.37    | 1.72    | -2.09   | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | -0.04   | 0.08    | -0.04   | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | -37.55  | 9.81    | -62.51  | -30.08     |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.00    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Thallium   | 205-1 | 0.00    | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Tin        | 118-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | 0.02    | -0.04   | 0.02    | 0.00       | N/A     | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Zirconium  | 90-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:17:23 | DataFile Name :   | 003CALB_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:24:40 | DataFile Name :   | 005CALS_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 21.92   | 21.83   | 20.21   | 21.32      | 4.53    | ppb   |
| Antimony   | 121-1 | 2.03    | 2.05    | 2.04    | 2.04       | 0.35    | ppb   |
| Arsenic    | 75-2  | 1.13    | 1.02    | 0.98    | 1.05       | 7.57    | ppb   |
| Barium     | 135-1 | 9.95    | 9.89    | 9.94    | 9.93       | 0.33    | ppb   |
| Barium     | 137-1 | 9.85    | 10.30   | 9.96    | 10.03      | 2.32    | ppb   |
| Beryllium  | 9-1   | 1.00    | 1.05    | 0.98    | 1.01       | 3.70    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 24.56   | 22.68   | 25.00   | 24.08      | 5.12    | ppb   |
| Boron      | 11-1  | 22.61   | 22.07   | 22.71   | 22.47      | 1.54    | ppb   |
| Cadmium    | 106-1 | 1.39    | 0.89    | 0.22    | 0.83       | 70.79   | ppb   |
| Cadmium    | 108-1 | 1.15    | 1.03    | 1.23    | 1.14       | 8.79    | ppb   |
| Cadmium    | 111-1 | 1.00    | 1.03    | 1.04    | 1.03       | 2.04    | ppb   |
| Calcium    | 43-1  | 477.20  | 494.92  | 488.62  | 486.91     | 1.85    | ppb   |
| Calcium    | 44-1  | 482.98  | 484.69  | 484.41  | 484.03     | 0.19    | ppb   |
| Chromium   | 52-2  | 2.11    | 2.18    | 2.13    | 2.14       | 1.54    | ppb   |
| Cobalt     | 59-2  | 1.01    | 1.02    | 1.00    | 1.01       | 0.77    | ppb   |
| Copper     | 63-2  | 2.19    | 2.16    | 2.21    | 2.19       | 1.15    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 50.15   | 49.97   | 49.66   | 49.93      | 0.50    | ppb   |
| Iron       | 57-2  | 49.71   | 47.06   | 51.15   | 49.31      | 4.21    | ppb   |
| Lead       | 206-1 | 1.42    | 1.40    | 1.43    | 1.42       | 1.05    | ppb   |
| Lead       | 207-1 | 1.36    | 1.33    | 1.35    | 1.35       | 1.03    | ppb   |
| Lead       | 208-1 | 1.40    | 1.39    | 1.38    | 1.39       | 0.83    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 508.08  | 498.82  | 505.49  | 504.13     | 0.95    | ppb   |
| Manganese  | 55-2  | 1.07    | 1.04    | 1.17    | 1.10       | 6.30    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:24:40 | DataFile Name :   | 005CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 2.18    | 2.07    | 2.01    | 2.09       | 3.91    | ppb   |
| Molybdenum | 95-1  | 4.99    | 4.79    | 4.75    | 4.84       | 2.63    | ppb   |
| Molybdenum | 96-1  | 4.09    | 4.16    | 4.24    | 4.16       | 1.83    | ppb   |
| Molybdenum | 97-1  | 5.17    | 5.00    | 4.94    | 5.04       | 2.33    | ppb   |
| Molybdenum | 98-1  | 4.87    | 4.73    | 4.79    | 4.80       | 1.47    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.01    | 1.06    | 1.05    | 1.04       | 2.72    | ppb   |
| Phosphorus | 31-2  | 10.23   | 12.51   | -5.86   | 5.63       | 177.88  | ppb   |
| Potassium  | 39-2  | 495.28  | 489.83  | 492.59  | 492.57     | 0.55    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 6.13    | 5.43    | 5.78    | 5.78       | 6.06    | ppb   |
| Selenium   | 78-2  | 5.94    | 4.84    | 3.72    | 4.83       | 22.93   | ppb   |
| Selenium   | 82-1  | 4.45    | 5.21    | 3.91    | 4.52       | 14.38   | ppb   |
| Silicon    | 28-1  | 8.42    | 6.24    | 6.83    | 7.16       | 15.80   | ppb   |
| Silver     | 109-1 | 1.10    | 1.06    | 1.08    | 1.08       | 1.81    | ppb   |
| Silver     | 107-1 | 1.08    | 1.11    | 1.08    | 1.09       | 1.73    | ppb   |
| Sodium     | 23-2  | 512.10  | 501.65  | 501.72  | 505.16     | 1.19    | ppb   |
| Strontium  | 86-1  | 1.02    | 1.02    | 0.93    | 0.99       | 5.64    | ppb   |
| Strontium  | 88-1  | 1.00    | 1.03    | 0.99    | 1.01       | 1.86    | ppb   |
| Sulfur     | 34-1  | 61.04   | -93.52  | 122.73  | 30.08      | 370.32  | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 1.02    | 0.98    | 1.02    | 1.01       | 2.42    | ppb   |
| Thallium   | 205-1 | 0.99    | 1.00    | 0.99    | 0.99       | 0.62    | ppb   |
| Tin        | 118-1 | 5.04    | 5.05    | 5.00    | 5.03       | 0.56    | ppb   |
| Titanium   | 47-1  | 5.24    | 4.92    | 4.98    | 5.05       | 3.41    | ppb   |
| Uranium    | 238-1 | 1.02    | 1.01    | 0.97    | 1.00       | 2.68    | ppb   |
| Vanadium   | 51-2  | 5.12    | 4.97    | 4.99    | 5.02       | 1.62    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 2.14    | 2.03    | 2.10    | 2.09       | 2.68    | ppb   |
| Zirconium  | 90-1  | 0.85    | 0.84    | 0.82    | 0.83       | 2.09    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:24:40 | DataFile Name :   | 005CALS_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.94    | 0.93    | 0.84    | 0.90       | 6.34    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:28:19 | DataFile Name :   | 006CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 983.35  | 963.14  | 965.58  | 970.69     | 1.14    | ppb   |
| Antimony   | 121-1 | 41.96   | 40.44   | 39.67   | 40.69      | 2.87    | ppb   |
| Arsenic    | 75-2  | 51.11   | 50.27   | 49.63   | 50.33      | 1.48    | ppb   |
| Barium     | 135-1 | 253.81  | 250.90  | 253.47  | 252.73     | 0.63    | ppb   |
| Barium     | 137-1 | 251.68  | 251.31  | 254.36  | 252.45     | 0.66    | ppb   |
| Beryllium  | 9-1   | 50.36   | 50.06   | 49.30   | 49.90      | 1.10    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 46.21   | 47.17   | 50.87   | 48.08      | 5.12    | ppb   |
| Boron      | 11-1  | 48.69   | 48.90   | 49.37   | 48.99      | 0.71    | ppb   |
| Cadmium    | 106-1 | 54.20   | 51.10   | 54.22   | 53.18      | 3.38    | ppb   |
| Cadmium    | 108-1 | 54.39   | 52.72   | 51.11   | 52.74      | 3.11    | ppb   |
| Cadmium    | 111-1 | 52.84   | 52.80   | 52.91   | 52.85      | 0.10    | ppb   |
| Calcium    | 43-1  | 4910.83 | 4986.36 | 4908.10 | 4935.10    | 0.90    | ppb   |
| Calcium    | 44-1  | 4854.23 | 4917.84 | 4871.37 | 4881.14    | 0.67    | ppb   |
| Chromium   | 52-2  | 50.99   | 51.19   | 51.26   | 51.15      | 0.27    | ppb   |
| Cobalt     | 59-2  | 50.51   | 50.46   | 51.13   | 50.70      | 0.74    | ppb   |
| Copper     | 63-2  | 101.97  | 101.36  | 102.21  | 101.85     | 0.43    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 2516.29 | 2530.39 | 2541.30 | 2529.33    | 0.50    | ppb   |
| Iron       | 57-2  | 2465.53 | 2457.43 | 2484.17 | 2469.05    | 0.56    | ppb   |
| Lead       | 206-1 | 49.36   | 49.02   | 49.64   | 49.34      | 0.62    | ppb   |
| Lead       | 207-1 | 48.89   | 48.41   | 49.78   | 49.03      | 1.42    | ppb   |
| Lead       | 208-1 | 49.08   | 48.72   | 49.58   | 49.13      | 0.88    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 5095.94 | 5044.58 | 5074.24 | 5071.58    | 0.51    | ppb   |
| Manganese  | 55-2  | 102.42  | 101.86  | 102.47  | 102.25     | 0.33    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:28:19 | DataFile Name :   | 006CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 48.11   | 49.00   | 48.48   | 48.53      | 0.92    | ppb   |
| Molybdenum | 95-1  | 47.94   | 48.29   | 47.93   | 48.05      | 0.43    | ppb   |
| Molybdenum | 96-1  | 48.17   | 48.28   | 47.37   | 47.94      | 1.04    | ppb   |
| Molybdenum | 97-1  | 49.08   | 49.21   | 49.84   | 49.38      | 0.83    | ppb   |
| Molybdenum | 98-1  | 48.25   | 48.18   | 47.90   | 48.11      | 0.39    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 51.67   | 52.24   | 51.79   | 51.90      | 0.58    | ppb   |
| Phosphorus | 31-2  | 1001.24 | 1059.59 | 1152.60 | 1071.15    | 7.13    | ppb   |
| Potassium  | 39-2  | 2498.11 | 2483.67 | 2499.84 | 2493.88    | 0.36    | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 53.31   | 49.81   | 44.07   | 49.07      | 9.51    | ppb   |
| Selenium   | 78-2  | 49.75   | 46.16   | 48.78   | 48.23      | 3.86    | ppb   |
| Selenium   | 82-1  | 50.76   | 50.26   | 50.05   | 50.35      | 0.73    | ppb   |
| Silicon    | 28-1  | 55.95   | 56.84   | 59.29   | 57.36      | 3.01    | ppb   |
| Silver     | 109-1 | 52.17   | 52.14   | 52.17   | 52.16      | 0.03    | ppb   |
| Silver     | 107-1 | 52.21   | 52.19   | 52.30   | 52.23      | 0.10    | ppb   |
| Sodium     | 23-2  | 4985.94 | 4937.47 | 4966.77 | 4963.39    | 0.49    | ppb   |
| Strontium  | 86-1  | 50.30   | 50.02   | 50.45   | 50.26      | 0.43    | ppb   |
| Strontium  | 88-1  | 49.38   | 49.94   | 49.68   | 49.67      | 0.57    | ppb   |
| Sulfur     | 34-1  | 1010.55 | 1086.12 | 979.39  | 1025.36    | 5.35    | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 48.85   | 49.11   | 48.31   | 48.76      | 0.84    | ppb   |
| Thallium   | 205-1 | 49.41   | 49.24   | 48.92   | 49.19      | 0.51    | ppb   |
| Tin        | 118-1 | 50.26   | 49.74   | 50.23   | 50.08      | 0.59    | ppb   |
| Titanium   | 47-1  | 50.58   | 50.91   | 50.98   | 50.82      | 0.42    | ppb   |
| Uranium    | 238-1 | 47.28   | 47.95   | 47.29   | 47.50      | 0.81    | ppb   |
| Vanadium   | 51-2  | 50.77   | 49.78   | 50.59   | 50.38      | 1.05    | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 102.50  | 103.97  | 104.16  | 103.54     | 0.88    | ppb   |
| Zirconium  | 90-1  | 48.24   | 48.38   | 48.33   | 48.32      | 0.15    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:28:19 | DataFile Name :   | 006CALS_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 49.64   | 50.94   | 49.72   | 50.10      | 1.46    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:31:58 | DataFile Name :   | 007CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2471.55  | 2408.12  | 2414.75  | 2431.48    | 1.43    | ppb   |
| Antimony   | 121-1 | 114.45   | 112.90   | 111.03   | 112.79     | 1.52    | ppb   |
| Arsenic    | 75-2  | 123.91   | 125.60   | 125.73   | 125.08     | 0.81    | ppb   |
| Barium     | 135-1 | 633.64   | 627.70   | 624.90   | 628.75     | 0.71    | ppb   |
| Barium     | 137-1 | 633.65   | 630.93   | 631.08   | 631.89     | 0.24    | ppb   |
| Beryllium  | 9-1   | 126.61   | 125.68   | 126.88   | 126.39     | 0.50    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 119.06   | 119.00   | 128.68   | 122.25     | 4.56    | ppb   |
| Boron      | 11-1  | 120.31   | 126.26   | 124.55   | 123.71     | 2.48    | ppb   |
| Cadmium    | 106-1 | 134.67   | 130.62   | 129.68   | 131.66     | 2.01    | ppb   |
| Cadmium    | 108-1 | 130.45   | 131.89   | 129.73   | 130.69     | 0.84    | ppb   |
| Cadmium    | 111-1 | 131.27   | 130.11   | 130.66   | 130.68     | 0.44    | ppb   |
| Calcium    | 43-1  | 12080.42 | 12227.52 | 12324.80 | 12210.91   | 1.01    | ppb   |
| Calcium    | 44-1  | 12350.40 | 12377.52 | 12336.76 | 12354.89   | 0.17    | ppb   |
| Chromium   | 52-2  | 128.71   | 126.88   | 127.23   | 127.61     | 0.76    | ppb   |
| Cobalt     | 59-2  | 127.23   | 126.01   | 126.04   | 126.42     | 0.55    | ppb   |
| Copper     | 63-2  | 253.40   | 251.08   | 251.95   | 252.15     | 0.47    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 6356.97  | 6291.37  | 6323.94  | 6324.09    | 0.52    | ppb   |
| Iron       | 57-2  | 6145.99  | 6109.71  | 6129.27  | 6128.32    | 0.30    | ppb   |
| Lead       | 206-1 | 124.68   | 125.60   | 125.74   | 125.34     | 0.46    | ppb   |
| Lead       | 207-1 | 122.57   | 123.68   | 124.79   | 123.68     | 0.90    | ppb   |
| Lead       | 208-1 | 123.88   | 124.91   | 125.25   | 124.68     | 0.57    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 12808.43 | 12574.84 | 12600.28 | 12661.18   | 1.01    | ppb   |
| Manganese  | 55-2  | 257.99   | 255.48   | 256.52   | 256.66     | 0.49    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:31:58 | DataFile Name :   | 007CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 121.90   | 122.16   | 122.12   | 122.06     | 0.11    | ppb   |
| Molybdenum | 95-1  | 121.80   | 120.94   | 120.86   | 121.20     | 0.43    | ppb   |
| Molybdenum | 96-1  | 122.19   | 120.87   | 121.41   | 121.49     | 0.55    | ppb   |
| Molybdenum | 97-1  | 125.83   | 124.72   | 125.80   | 125.45     | 0.50    | ppb   |
| Molybdenum | 98-1  | 123.32   | 122.15   | 122.02   | 122.50     | 0.58    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 131.08   | 129.25   | 128.30   | 129.54     | 1.09    | ppb   |
| Phosphorus | 31-2  | 2612.66  | 2514.19  | 2540.22  | 2555.69    | 2.00    | ppb   |
| Potassium  | 39-2  | 6260.40  | 6160.98  | 6218.78  | 6213.39    | 0.80    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 124.14   | 133.00   | 137.46   | 131.53     | 5.16    | ppb   |
| Selenium   | 78-2  | 123.11   | 126.79   | 128.16   | 126.02     | 2.07    | ppb   |
| Selenium   | 82-1  | 128.81   | 126.21   | 125.60   | 126.88     | 1.34    | ppb   |
| Silicon    | 28-1  | 150.88   | 153.05   | 156.13   | 153.35     | 1.72    | ppb   |
| Silver     | 109-1 | 128.65   | 127.92   | 128.31   | 128.29     | 0.28    | ppb   |
| Silver     | 107-1 | 129.08   | 128.19   | 127.61   | 128.29     | 0.58    | ppb   |
| Sodium     | 23-2  | 12666.19 | 12486.83 | 12592.39 | 12581.80   | 0.72    | ppb   |
| Strontium  | 86-1  | 125.89   | 127.19   | 126.10   | 126.39     | 0.55    | ppb   |
| Strontium  | 88-1  | 124.35   | 125.10   | 124.69   | 124.71     | 0.30    | ppb   |
| Sulfur     | 34-1  | 2580.09  | 2418.76  | 2330.40  | 2443.08    | 5.18    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 124.34   | 122.58   | 124.19   | 123.70     | 0.79    | ppb   |
| Thallium   | 205-1 | 124.81   | 124.80   | 125.99   | 125.20     | 0.55    | ppb   |
| Tin        | 118-1 | 124.41   | 123.06   | 123.46   | 123.64     | 0.56    | ppb   |
| Titanium   | 47-1  | 126.32   | 125.94   | 126.28   | 126.18     | 0.17    | ppb   |
| Uranium    | 238-1 | 120.50   | 121.32   | 122.27   | 121.36     | 0.73    | ppb   |
| Vanadium   | 51-2  | 127.97   | 126.21   | 126.00   | 126.73     | 0.85    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 259.52   | 256.84   | 257.60   | 257.98     | 0.54    | ppb   |
| Zirconium  | 90-1  | 122.20   | 122.22   | 122.32   | 122.24     | 0.05    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:31:58 | DataFile Name :   | 007CALS_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 125.69  | 125.45  | 125.75  | 125.63     | 0.13    | ppb   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : S5 Instrumnet Name : P7  
 Client Sample ID : S5 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 12:35:35 DataFile Name : 008CAL5\_P7033117.D

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4793.76  | 4746.35  | 4828.88  | 4789.66    | 0.86    | ppb   |
| Antimony   | 121-1 | 236.56   | 234.21   | 236.87   | 235.88     | 0.62    | ppb   |
| Arsenic    | 75-2  | 248.51   | 249.37   | 250.61   | 249.50     | 0.42    | ppb   |
| Barium     | 135-1 | 1250.45  | 1245.40  | 1273.32  | 1256.39    | 1.18    | ppb   |
| Barium     | 137-1 | 1264.89  | 1256.77  | 1287.84  | 1269.84    | 1.27    | ppb   |
| Beryllium  | 9-1   | 249.54   | 248.94   | 251.26   | 249.91     | 0.48    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 247.06   | 249.64   | 250.01   | 248.90     | 0.64    | ppb   |
| Boron      | 11-1  | 244.88   | 245.76   | 252.02   | 247.55     | 1.57    | ppb   |
| Cadmium    | 106-1 | 256.56   | 258.29   | 257.16   | 257.34     | 0.34    | ppb   |
| Cadmium    | 108-1 | 254.91   | 256.91   | 257.46   | 256.42     | 0.52    | ppb   |
| Cadmium    | 111-1 | 255.63   | 257.40   | 261.56   | 258.20     | 1.18    | ppb   |
| Calcium    | 43-1  | 23998.98 | 24346.64 | 24430.52 | 24258.71   | 0.94    | ppb   |
| Calcium    | 44-1  | 24582.23 | 24418.17 | 24873.72 | 24624.71   | 0.94    | ppb   |
| Chromium   | 52-2  | 252.93   | 251.68   | 255.75   | 253.46     | 0.82    | ppb   |
| Cobalt     | 59-2  | 251.67   | 251.83   | 253.40   | 252.30     | 0.38    | ppb   |
| Copper     | 63-2  | 501.11   | 502.37   | 506.50   | 503.32     | 0.56    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 12592.32 | 12639.31 | 12674.78 | 12635.47   | 0.33    | ppb   |
| Iron       | 57-2  | 12277.41 | 12232.43 | 12365.45 | 12291.76   | 0.55    | ppb   |
| Lead       | 206-1 | 253.52   | 249.49   | 251.22   | 251.41     | 0.81    | ppb   |
| Lead       | 207-1 | 252.45   | 244.39   | 247.46   | 248.10     | 1.64    | ppb   |
| Lead       | 208-1 | 251.99   | 246.72   | 249.77   | 249.49     | 1.06    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 25612.23 | 25499.16 | 25765.05 | 25625.48   | 0.52    | ppb   |
| Manganese  | 55-2  | 508.15   | 505.58   | 512.47   | 508.73     | 0.68    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:35:35 | DataFile Name :   | 008CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 247.05   | 246.23   | 244.27   | 245.85     | 0.58    | ppb   |
| Molybdenum | 95-1  | 244.62   | 244.22   | 242.23   | 243.69     | 0.53    | ppb   |
| Molybdenum | 96-1  | 243.62   | 243.89   | 243.85   | 243.79     | 0.06    | ppb   |
| Molybdenum | 97-1  | 251.33   | 248.88   | 247.87   | 249.36     | 0.71    | ppb   |
| Molybdenum | 98-1  | 246.59   | 245.54   | 243.86   | 245.33     | 0.56    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 258.57   | 255.68   | 261.03   | 258.43     | 1.04    | ppb   |
| Phosphorus | 31-2  | 5130.67  | 5109.82  | 4963.04  | 5067.84    | 1.80    | ppb   |
| Potassium  | 39-2  | 12375.05 | 12335.11 | 12391.78 | 12367.31   | 0.24    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 253.46   | 252.87   | 241.89   | 249.41     | 2.61    | ppb   |
| Selenium   | 78-2  | 255.60   | 251.69   | 254.29   | 253.86     | 0.78    | ppb   |
| Selenium   | 82-1  | 253.27   | 252.63   | 249.89   | 251.93     | 0.71    | ppb   |
| Silicon    | 28-1  | 304.35   | 306.23   | 316.02   | 308.87     | 2.03    | ppb   |
| Silver     | 109-1 | 251.10   | 249.99   | 256.85   | 252.65     | 1.46    | ppb   |
| Silver     | 107-1 | 250.36   | 250.25   | 254.99   | 251.87     | 1.07    | ppb   |
| Sodium     | 23-2  | 25153.78 | 24931.23 | 25115.31 | 25066.77   | 0.47    | ppb   |
| Strontium  | 86-1  | 251.42   | 252.03   | 253.71   | 252.38     | 0.47    | ppb   |
| Strontium  | 88-1  | 253.17   | 252.28   | 251.80   | 252.42     | 0.28    | ppb   |
| Sulfur     | 34-1  | 4289.94  | 4234.07  | 4737.30  | 4420.44    | 6.24    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 250.49   | 243.05   | 245.64   | 246.39     | 1.53    | ppb   |
| Thallium   | 205-1 | 253.88   | 250.45   | 249.88   | 251.40     | 0.86    | ppb   |
| Tin        | 118-1 | 244.58   | 245.74   | 248.21   | 246.18     | 0.75    | ppb   |
| Titanium   | 47-1  | 249.47   | 246.62   | 252.24   | 249.44     | 1.13    | ppb   |
| Uranium    | 238-1 | 249.02   | 243.24   | 247.25   | 246.50     | 1.20    | ppb   |
| Vanadium   | 51-2  | 251.65   | 252.25   | 253.11   | 252.34     | 0.29    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 512.47   | 516.50   | 516.35   | 515.11     | 0.44    | ppb   |
| Zirconium  | 90-1  | 244.96   | 246.28   | 246.10   | 245.78     | 0.29    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:35:35 | DataFile Name :   | 008CALS_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 251.05  | 251.42  | 252.31  | 251.59     | 0.26    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:39:12 | DataFile Name :   | 009CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9450.42  | 9567.70  | 9434.31  | 9484.14    | 0.77    | ppb   |
| Antimony   | 121-1 | 478.06   | 481.34   | 477.26   | 478.89     | 0.45    | ppb   |
| Arsenic    | 75-2  | 501.62   | 501.47   | 494.05   | 499.05     | 0.87    | ppb   |
| Barium     | 135-1 | 2530.06  | 2517.82  | 2501.06  | 2516.32    | 0.58    | ppb   |
| Barium     | 137-1 | 2513.62  | 2511.46  | 2506.37  | 2510.48    | 0.15    | ppb   |
| Beryllium  | 9-1   | 500.44   | 498.25   | 495.01   | 497.90     | 0.55    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 483.89   | 498.29   | 491.81   | 491.33     | 1.47    | ppb   |
| Boron      | 11-1  | 488.50   | 495.98   | 496.03   | 493.50     | 0.88    | ppb   |
| Cadmium    | 106-1 | 504.98   | 504.87   | 501.39   | 503.75     | 0.40    | ppb   |
| Cadmium    | 108-1 | 501.65   | 505.56   | 505.77   | 504.33     | 0.46    | ppb   |
| Cadmium    | 111-1 | 502.72   | 505.96   | 502.30   | 503.66     | 0.40    | ppb   |
| Calcium    | 43-1  | 48433.69 | 48081.89 | 48835.51 | 48450.37   | 0.78    | ppb   |
| Calcium    | 44-1  | 49074.95 | 49167.86 | 49617.55 | 49286.79   | 0.59    | ppb   |
| Chromium   | 52-2  | 503.72   | 506.75   | 502.05   | 504.17     | 0.47    | ppb   |
| Cobalt     | 59-2  | 497.28   | 502.46   | 498.53   | 499.42     | 0.54    | ppb   |
| Copper     | 63-2  | 992.48   | 999.86   | 991.97   | 994.77     | 0.44    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 24948.61 | 25095.55 | 24921.21 | 24988.46   | 0.38    | ppb   |
| Iron       | 57-2  | 24280.13 | 24367.78 | 24359.91 | 24335.94   | 0.20    | ppb   |
| Lead       | 206-1 | 501.29   | 503.06   | 499.49   | 501.28     | 0.36    | ppb   |
| Lead       | 207-1 | 498.11   | 499.04   | 497.65   | 498.27     | 0.14    | ppb   |
| Lead       | 208-1 | 505.48   | 502.72   | 497.51   | 501.90     | 0.81    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 50680.71 | 50993.87 | 50704.88 | 50793.15   | 0.34    | ppb   |
| Manganese  | 55-2  | 1009.39  | 1008.06  | 1008.43  | 1008.63    | 0.07    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:39:12 | DataFile Name :   | 009CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 487.09   | 493.10   | 492.92   | 491.04     | 0.70    | ppb   |
| Molybdenum | 95-1  | 487.61   | 493.26   | 487.75   | 489.54     | 0.66    | ppb   |
| Molybdenum | 96-1  | 490.84   | 493.25   | 491.63   | 491.90     | 0.25    | ppb   |
| Molybdenum | 97-1  | 502.15   | 503.27   | 502.89   | 502.77     | 0.11    | ppb   |
| Molybdenum | 98-1  | 494.19   | 492.45   | 492.16   | 492.93     | 0.22    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 506.66   | 510.13   | 508.15   | 508.31     | 0.34    | ppb   |
| Phosphorus | 31-2  | 10099.51 | 10025.42 | 10146.29 | 10090.41   | 0.60    | ppb   |
| Potassium  | 39-2  | 24911.39 | 24784.48 | 24816.39 | 24837.42   | 0.27    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 508.68   | 506.15   | 493.31   | 502.72     | 1.64    | ppb   |
| Selenium   | 78-2  | 514.37   | 500.17   | 502.13   | 505.56     | 1.52    | ppb   |
| Selenium   | 82-1  | 503.33   | 508.06   | 497.55   | 502.98     | 1.05    | ppb   |
| Silicon    | 28-1  | 476.32   | 481.07   | 487.17   | 481.52     | 1.13    | ppb   |
| Silver     | 109-1 | 496.66   | 505.37   | 498.84   | 500.29     | 0.91    | ppb   |
| Silver     | 107-1 | 503.93   | 507.26   | 508.13   | 506.44     | 0.44    | ppb   |
| Sodium     | 23-2  | 49640.43 | 50015.04 | 49825.39 | 49826.95   | 0.38    | ppb   |
| Strontium  | 86-1  | 502.56   | 504.52   | 506.76   | 504.61     | 0.42    | ppb   |
| Strontium  | 88-1  | 502.23   | 502.61   | 501.30   | 502.04     | 0.13    | ppb   |
| Sulfur     | 34-1  | 9646.70  | 9573.57  | 9552.18  | 9590.82    | 0.52    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 499.29   | 500.92   | 495.81   | 498.67     | 0.52    | ppb   |
| Thallium   | 205-1 | 505.02   | 501.80   | 502.94   | 503.25     | 0.33    | ppb   |
| Tin        | 118-1 | 482.18   | 486.36   | 486.51   | 485.01     | 0.51    | ppb   |
| Titanium   | 47-1  | 502.32   | 504.24   | 504.28   | 503.62     | 0.22    | ppb   |
| Uranium    | 238-1 | 497.74   | 501.27   | 496.83   | 498.61     | 0.47    | ppb   |
| Vanadium   | 51-2  | 499.33   | 504.05   | 501.74   | 501.70     | 0.47    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1022.13  | 1016.78  | 1016.10  | 1018.34    | 0.32    | ppb   |
| Zirconium  | 90-1  | 506.85   | 500.43   | 498.71   | 502.00     | 0.85    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:39:12 | DataFile Name :   | 009CALS_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 502.28  | 505.91  | 502.57  | 503.59     | 0.40    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:42:47 | DataFile Name :   | 010CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 18738.76 | 18715.22 | 18713.05 | 18722.34   | 0.08    | ppb   |
| Antimony   | 121-1 | 1011.21  | 1009.73  | 1027.30  | 1016.08    | 0.96    | ppb   |
| Arsenic    | 75-2  | 1001.89  | 998.37   | 1001.46  | 1000.57    | 0.19    | ppb   |
| Barium     | 135-1 | 4929.19  | 4977.30  | 5062.43  | 4989.64    | 1.35    | ppb   |
| Barium     | 137-1 | 4963.13  | 4974.39  | 5028.93  | 4988.82    | 0.71    | ppb   |
| Beryllium  | 9-1   | 1005.88  | 1005.81  | 991.01   | 1000.90    | 0.86    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 1005.51  | 1011.03  | 998.67   | 1005.07    | 0.62    | ppb   |
| Boron      | 11-1  | 995.46   | 1012.05  | 1004.89  | 1004.13    | 0.83    | ppb   |
| Cadmium    | 106-1 | 984.60   | 999.34   | 1001.96  | 995.30     | 0.94    | ppb   |
| Cadmium    | 108-1 | 986.04   | 999.95   | 1000.15  | 995.38     | 0.81    | ppb   |
| Cadmium    | 111-1 | 989.62   | 997.55   | 998.64   | 995.27     | 0.49    | ppb   |
| Calcium    | 43-1  | 96606.08 | 97213.57 | 96538.77 | 96786.14   | 0.38    | ppb   |
| Calcium    | 44-1  | 97422.82 | 99007.68 | 97641.78 | 98024.10   | 0.88    | ppb   |
| Chromium   | 52-2  | 993.23   | 998.93   | 997.85   | 996.67     | 0.30    | ppb   |
| Cobalt     | 59-2  | 993.80   | 1003.25  | 1001.45  | 999.50     | 0.50    | ppb   |
| Copper     | 63-2  | 1990.66  | 1988.33  | 2025.28  | 2001.42    | 1.03    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 49612.23 | 49167.59 | 49237.43 | 49339.08   | 0.48    | ppb   |
| Iron       | 57-2  | 47669.61 | 48017.56 | 48097.83 | 47928.33   | 0.47    | ppb   |
| Lead       | 206-1 | 1000.82  | 997.27   | 998.89   | 999.00     | 0.18    | ppb   |
| Lead       | 207-1 | 1000.97  | 1005.49  | 998.21   | 1001.56    | 0.37    | ppb   |
| Lead       | 208-1 | 994.82   | 1004.09  | 998.87   | 999.26     | 0.47    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 99839.57 | 99119.04 | 99329.59 | 99429.40   | 0.37    | ppb   |
| Manganese  | 55-2  | 1991.92  | 1992.01  | 1993.73  | 1992.56    | 0.05    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:42:47 | DataFile Name :   | 010CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 995.05   | 1017.59  | 1005.28  | 1005.98    | 1.12    | ppb   |
| Molybdenum | 95-1  | 1003.82  | 1018.56  | 999.76   | 1007.38    | 0.98    | ppb   |
| Molybdenum | 96-1  | 1006.02  | 1019.38  | 993.04   | 1006.15    | 1.31    | ppb   |
| Molybdenum | 97-1  | 994.95   | 1004.87  | 996.43   | 998.75     | 0.54    | ppb   |
| Molybdenum | 98-1  | 1012.74  | 1009.63  | 992.95   | 1005.11    | 1.06    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 984.69   | 998.46   | 996.07   | 993.07     | 0.74    | ppb   |
| Phosphorus | 31-2  | 20092.04 | 20095.50 | 19594.41 | 19927.32   | 1.45    | ppb   |
| Potassium  | 39-2  | 49645.40 | 49288.40 | 48955.19 | 49296.33   | 0.70    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 1011.07  | 992.30   | 990.68   | 998.02     | 1.14    | ppb   |
| Selenium   | 78-2  | 1006.71  | 983.60   | 998.35   | 996.22     | 1.17    | ppb   |
| Selenium   | 82-1  | 990.10   | 1006.64  | 996.60   | 997.78     | 0.84    | ppb   |
| Silicon    | 28-1  | 984.22   | 992.03   | 995.67   | 990.64     | 0.59    | ppb   |
| Silver     | 109-1 | 998.23   | 995.67   | 1002.12  | 998.67     | 0.33    | ppb   |
| Silver     | 107-1 | 987.29   | 995.33   | 1004.75  | 995.79     | 0.88    | ppb   |
| Sodium     | 23-2  | 97709.50 | 98396.50 | 97162.75 | 97756.25   | 0.63    | ppb   |
| Strontium  | 86-1  | 995.48   | 997.10   | 998.16   | 996.91     | 0.14    | ppb   |
| Strontium  | 88-1  | 996.23   | 1005.80  | 993.24   | 998.43     | 0.66    | ppb   |
| Sulfur     | 34-1  | 20208.03 | 20473.53 | 20384.43 | 20355.33   | 0.66    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 993.95   | 1002.31  | 1009.11  | 1001.79    | 0.76    | ppb   |
| Thallium   | 205-1 | 986.52   | 997.69   | 1009.91  | 998.04     | 1.17    | ppb   |
| Tin        | 118-1 | 995.18   | 1010.81  | 1019.86  | 1008.61    | 1.24    | ppb   |
| Titanium   | 47-1  | 997.88   | 1001.63  | 994.92   | 998.14     | 0.34    | ppb   |
| Uranium    | 238-1 | 995.87   | 1000.34  | 1010.23  | 1002.15    | 0.73    | ppb   |
| Vanadium   | 51-2  | 993.58   | 1001.36  | 1000.04  | 998.33     | 0.42    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1982.95  | 1990.56  | 1984.14  | 1985.88    | 0.21    | ppb   |
| Zirconium  | 90-1  | 996.54   | 1001.57  | 1003.34  | 1000.48    | 0.35    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:42:47 | DataFile Name :   | 010CALS_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 992.84  | 1002.18 | 998.15  | 997.72     | 0.47    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:46:19 | DataFile Name :   | 011CALS_P7033117.D |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 100138.89 | 100104.91 | 100715.12 | 100319.64  | 0.34    | ppb   |
| Antimony   | 121-1 | 5.24      | 5.64      | 5.97      | 5.62       | 6.56    | ppb   |
| Arsenic    | 75-2  | 1.55      | 1.60      | 1.67      | 1.61       | 3.76    | ppb   |
| Barium     | 135-1 | 1.96      | 1.84      | 1.58      | 1.79       | 11.03   | ppb   |
| Barium     | 137-1 | 1.78      | 1.71      | 1.70      | 1.73       | 2.32    | ppb   |
| Beryllium  | 9-1   | 0.27      | 0.23      | 0.15      | 0.22       | 29.25   | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 10-1  | 16.56     | 14.49     | 16.12     | 15.72      | 6.91    | ppb   |
| Boron      | 11-1  | 16.62     | 15.60     | 15.31     | 15.84      | 4.32    | ppb   |
| Cadmium    | 106-1 | 0.12      | -0.22     | -0.46     | -0.19      |         | ppb   |
| Cadmium    | 108-1 | 0.21      | 0.32      | 0.34      | 0.29       | 23.08   | ppb   |
| Cadmium    | 111-1 | 0.21      | 0.15      | 0.11      | 0.16       | 30.77   | ppb   |
| Calcium    | 43-1  | 499820.70 | 504860.76 | 497846.60 | 500842.69  | 0.72    | ppb   |
| Calcium    | 44-1  | 500240.94 | 501932.23 | 499297.13 | 500490.10  | 0.27    | ppb   |
| Chromium   | 52-2  | 23.20     | 22.92     | 23.29     | 23.14      | 0.82    | ppb   |
| Cobalt     | 59-2  | 1.29      | 1.22      | 1.28      | 1.26       | 2.72    | ppb   |
| Copper     | 63-2  | 2.78      | 2.72      | 2.67      | 2.72       | 2.17    | ppb   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Holmium    | 165-2 |           |           |           |            |         | %     |
| Holmium    | 165-1 |           |           |           |            |         | %     |
| Indium     | 115-1 |           |           |           |            |         | %     |
| Indium     | 115-2 |           |           |           |            |         | %     |
| Iron       | 56-2  | 251532.52 | 247477.65 | 251363.08 | 250124.42  | 0.92    | ppb   |
| Iron       | 57-2  | 252067.85 | 248029.70 | 251385.96 | 250494.50  | 0.86    | ppb   |
| Lead       | 206-1 | 1.97      | 1.95      | 1.99      | 1.97       | 1.04    | ppb   |
| Lead       | 207-1 | 1.81      | 1.85      | 1.81      | 1.82       | 1.39    | ppb   |
| Lead       | 208-1 | 1.90      | 1.89      | 1.90      | 1.90       | 0.25    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 500329.82 | 498641.25 | 501025.27 | 499998.78  | 0.25    | ppb   |
| Manganese  | 55-2  | 7.99      | 7.91      | 8.11      | 8.00       | 1.22    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:46:19 | DataFile Name :   | 011CAL5_P7033117.D |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 1.82      | 1.96      | 2.22      | 2.00       | 10.06   | ppb   |
| Molybdenum | 95-1  | 5.57      | 5.85      | 6.28      | 5.90       | 6.05    | ppb   |
| Molybdenum | 96-1  | 5.31      | 5.66      | 6.18      | 5.72       | 7.59    | ppb   |
| Molybdenum | 97-1  | 5.79      | 5.95      | 6.50      | 6.08       | 6.14    | ppb   |
| Molybdenum | 98-1  | 5.25      | 5.73      | 6.27      | 5.75       | 8.91    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 13.26     | 12.85     | 12.41     | 12.84      | 3.33    | ppb   |
| Phosphorus | 31-2  | -12.01    | -14.96    | -3.76     | -10.24     |         | ppb   |
| Potassium  | 39-2  | 251756.54 | 248662.44 | 250074.87 | 250164.62  | 0.62    | ppb   |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 1.84      | 1.84      | 1.82      | 1.83       | 0.84    | ppb   |
| Selenium   | 78-2  | 2.22      | 1.58      | 1.83      | 1.88       | 17.40   | ppb   |
| Selenium   | 82-1  | 2.20      | 4.08      | 3.22      | 3.17       | 29.67   | ppb   |
| Silicon    | 28-1  | 80.42     | 86.72     | 87.06     | 84.73      | 4.41    | ppb   |
| Silver     | 109-1 | 0.20      | 0.18      | 0.21      | 0.19       | 6.16    | ppb   |
| Silver     | 107-1 | 0.21      | 0.20      | 0.19      | 0.20       | 4.02    | ppb   |
| Sodium     | 23-2  | 502500.39 | 500456.64 | 498426.07 | 500461.03  | 0.41    | ppb   |
| Strontium  | 86-1  | 31.64     | 31.31     | 31.35     | 31.43      | 0.57    | ppb   |
| Strontium  | 88-1  | 30.98     | 31.01     | 31.12     | 31.04      | 0.23    | ppb   |
| Sulfur     | 34-1  | -1591.47  | -1325.32  | -1236.43  | -1384.41   |         | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 0.56      | 0.53      | 0.48      | 0.53       | 7.55    | ppb   |
| Thallium   | 205-1 | 0.57      | 0.50      | 0.46      | 0.51       | 10.56   | ppb   |
| Tin        | 118-1 | 1.00      | 1.00      | 1.17      | 1.05       | 9.27    | ppb   |
| Titanium   | 47-1  | 0.59      | 0.71      | 0.78      | 0.69       | 13.90   | ppb   |
| Uranium    | 238-1 | 0.26      | 0.26      | 0.22      | 0.25       | 8.26    | ppb   |
| Vanadium   | 51-2  | 0.38      | 0.36      | 0.41      | 0.38       | 6.92    | ppb   |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 22.59     | 22.60     | 21.49     | 22.23      | 2.88    | ppb   |
| Zirconium  | 90-1  | 0.23      | 0.25      | 0.27      | 0.25       | 7.25    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:46:19 | DataFile Name :   | 011CALS_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.29    | 0.25    | 0.25    | 0.26       | 9.05    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2017-03-31 12:55:30 | DataFile Name :   | 012ICV01_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 467.17  | 458.42  | 463.91  | 463.17     | 0.95    | ppb   |
| Antimony   | 121-1 | 202.48  | 200.09  | 203.07  | 201.88     | 0.78    | ppb   |
| Arsenic    | 75-2  | 195.25  | 195.66  | 194.95  | 195.29     | 0.18    | ppb   |
| Barium     | 135-1 | 98.34   | 95.48   | 99.06   | 97.62      | 1.94    | ppb   |
| Barium     | 137-1 | 97.70   | 96.71   | 97.62   | 97.34      | 0.57    | ppb   |
| Beryllium  | 9-1   | 95.32   | 94.59   | 93.87   | 94.59      | 0.76    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 524.58  | 520.78  | 516.98  | 520.78     | 0.73    | ppb   |
| Boron      | 11-1  | 522.91  | 524.59  | 525.17  | 524.22     | 0.22    | ppb   |
| Cadmium    | 106-1 | 177.50  | 181.04  | 174.88  | 177.81     | 1.74    | ppb   |
| Cadmium    | 108-1 | 143.16  | 144.44  | 143.75  | 143.79     | 0.45    | ppb   |
| Cadmium    | 111-1 | 103.98  | 104.15  | 104.31  | 104.15     | 0.16    | ppb   |
| Calcium    | 43-1  | 2052.39 | 2055.85 | 2099.75 | 2069.33    | 1.28    | ppb   |
| Calcium    | 44-1  | 2014.39 | 2006.01 | 1999.41 | 2006.60    | 0.37    | ppb   |
| Chromium   | 52-2  | 94.77   | 94.83   | 95.35   | 94.98      | 0.33    | ppb   |
| Cobalt     | 59-2  | 96.77   | 97.71   | 97.06   | 97.18      | 0.50    | ppb   |
| Copper     | 63-2  | 97.12   | 97.44   | 96.85   | 97.14      | 0.31    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 938.56  | 945.18  | 942.94  | 942.23     | 0.36    | ppb   |
| Iron       | 57-2  | 927.43  | 931.67  | 941.84  | 933.65     | 0.79    | ppb   |
| Lead       | 206-1 | 198.45  | 194.39  | 197.99  | 196.95     | 1.13    | ppb   |
| Lead       | 207-1 | 187.49  | 183.37  | 186.74  | 185.87     | 1.18    | ppb   |
| Lead       | 208-1 | 192.49  | 189.12  | 191.55  | 191.05     | 0.91    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1140.19 | 1158.36 | 1132.81 | 1143.79    | 1.15    | ppb   |
| Manganese  | 55-2  | 97.68   | 97.49   | 96.81   | 97.33      | 0.47    | ppb   |



|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2017-03-31 12:55:30 | DataFile Name :   | 012ICV01_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 493.22  | 509.72  | 497.85  | 500.26     | 1.70    | ppb   |
| Molybdenum | 95-1  | 490.95  | 492.09  | 492.52  | 491.85     | 0.16    | ppb   |
| Molybdenum | 96-1  | 488.29  | 491.09  | 490.78  | 490.05     | 0.31    | ppb   |
| Molybdenum | 97-1  | 498.75  | 503.71  | 501.24  | 501.23     | 0.49    | ppb   |
| Molybdenum | 98-1  | 492.55  | 496.51  | 497.04  | 495.37     | 0.50    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 99.21   | 100.55  | 100.19  | 99.99      | 0.70    | ppb   |
| Phosphorus | 31-2  | -7.21   | -18.14  | -21.06  | -15.47     |         | ppb   |
| Potassium  | 39-2  | 1905.65 | 1907.86 | 1919.36 | 1910.96    | 0.39    | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 196.15  | 196.37  | 204.24  | 198.92     | 2.32    | ppb   |
| Selenium   | 78-2  | 200.47  | 200.49  | 192.56  | 197.84     | 2.31    | ppb   |
| Selenium   | 82-1  | 193.10  | 194.20  | 194.52  | 193.94     | 0.38    | ppb   |
| Silicon    | 28-1  | 572.42  | 433.94  | 437.39  | 481.25     | 16.41   | ppb   |
| Silver     | 109-1 | 98.02   | 98.16   | 96.74   | 97.64      | 0.80    | ppb   |
| Silver     | 107-1 | 98.81   | 98.23   | 98.69   | 98.58      | 0.31    | ppb   |
| Sodium     | 23-2  | 1931.55 | 1943.26 | 1930.91 | 1935.24    | 0.36    | ppb   |
| Strontium  | 86-1  | 492.61  | 493.54  | 495.79  | 493.98     | 0.33    | ppb   |
| Strontium  | 88-1  | 493.13  | 498.03  | 493.45  | 494.87     | 0.55    | ppb   |
| Sulfur     | 34-1  | -554.18 | -833.31 | -924.45 | -770.65    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 192.39  | 191.62  | 196.37  | 193.46     | 1.32    | ppb   |
| Thallium   | 205-1 | 197.79  | 192.75  | 197.79  | 196.11     | 1.48    | ppb   |
| Tin        | 118-1 | 494.41  | 492.57  | 503.87  | 496.95     | 1.22    | ppb   |
| Titanium   | 47-1  | 499.91  | 497.33  | 496.87  | 498.04     | 0.33    | ppb   |
| Uranium    | 238-1 | 523.30  | 514.90  | 519.29  | 519.16     | 0.81    | ppb   |
| Vanadium   | 51-2  | 94.84   | 94.84   | 95.77   | 95.15      | 0.56    | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 196.87  | 198.66  | 197.73  | 197.75     | 0.45    | ppb   |
| Zirconium  | 90-1  | 502.85  | 506.71  | 508.85  | 506.14     | 0.60    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2017-03-31 12:55:30 | DataFile Name :   | 012ICV01_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 502.25  | 503.12  | 506.47  | 503.95     | 0.44    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLICV0101           | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLICV0101           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:13:43 | DataFile Name :   | 014LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 18.50   | 17.63   | 16.85   | 17.66      | 4.65    | ppb   |
| Antimony   | 121-1 | 2.00    | 2.17    | 2.21    | 2.13       | 5.27    | ppb   |
| Arsenic    | 75-2  | 0.98    | 1.00    | 0.90    | 0.96       | 5.55    | ppb   |
| Barium     | 135-1 | 8.43    | 8.92    | 8.50    | 8.62       | 3.08    | ppb   |
| Barium     | 137-1 | 8.71    | 8.75    | 8.43    | 8.63       | 2.00    | ppb   |
| Beryllium  | 9-1   | 0.89    | 1.04    | 0.85    | 0.92       | 10.89   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 20.09   | 20.76   | 20.33   | 20.39      | 1.68    | ppb   |
| Boron      | 11-1  | 21.71   | 23.02   | 22.32   | 22.35      | 2.94    | ppb   |
| Cadmium    | 106-1 | -1.23   | 0.51    | 0.40    | -0.11      |         | ppb   |
| Cadmium    | 108-1 | 0.76    | 0.75    | 1.17    | 0.90       | 26.77   | ppb   |
| Cadmium    | 111-1 | 0.71    | 0.93    | 0.83    | 0.83       | 13.39   | ppb   |
| Calcium    | 43-1  | 440.46  | 453.07  | 441.31  | 444.95     | 1.58    | ppb   |
| Calcium    | 44-1  | 424.54  | 416.01  | 421.31  | 420.62     | 1.02    | ppb   |
| Chromium   | 52-2  | 1.83    | 1.87    | 1.90    | 1.87       | 1.76    | ppb   |
| Cobalt     | 59-2  | 0.89    | 0.87    | 0.88    | 0.88       | 1.62    | ppb   |
| Copper     | 63-2  | 1.88    | 1.96    | 1.91    | 1.92       | 2.17    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 43.43   | 42.90   | 43.73   | 43.35      | 0.97    | ppb   |
| Iron       | 57-2  | 46.08   | 43.30   | 44.39   | 44.59      | 3.15    | ppb   |
| Lead       | 206-1 | 1.04    | 1.12    | 1.09    | 1.09       | 3.88    | ppb   |
| Lead       | 207-1 | 1.01    | 1.11    | 1.11    | 1.07       | 5.27    | ppb   |
| Lead       | 208-1 | 1.05    | 1.10    | 1.09    | 1.08       | 2.54    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 450.41  | 435.64  | 448.36  | 444.80     | 1.80    | ppb   |
| Manganese  | 55-2  | 0.93    | 0.95    | 0.91    | 0.93       | 1.87    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLICV0101           | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLICV0101           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:13:43 | DataFile Name :   | 014LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 1.89    | 1.87    | 1.78    | 1.85       | 3.32    | ppb   |
| Molybdenum | 95-1  | 4.30    | 4.31    | 4.34    | 4.32       | 0.50    | ppb   |
| Molybdenum | 96-1  | 3.67    | 3.67    | 3.69    | 3.68       | 0.22    | ppb   |
| Molybdenum | 97-1  | 4.56    | 4.59    | 4.27    | 4.47       | 3.90    | ppb   |
| Molybdenum | 98-1  | 4.40    | 4.36    | 4.37    | 4.38       | 0.45    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.87    | 0.93    | 0.87    | 0.89       | 3.83    | ppb   |
| Phosphorus | 31-2  | 6.36    | 3.94    | 7.04    | 5.78       | 28.20   | ppb   |
| Potassium  | 39-2  | 450.64  | 445.26  | 445.19  | 447.03     | 0.70    | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 4.71    | 6.11    | 7.19    | 6.00       | 20.71   | ppb   |
| Selenium   | 78-2  | 3.75    | 4.01    | 3.18    | 3.64       | 11.75   | ppb   |
| Selenium   | 82-1  | 5.78    | 6.30    | 5.31    | 5.80       | 8.49    | ppb   |
| Silicon    | 28-1  | -7.73   | -9.76   | -9.00   | -8.83      |         | ppb   |
| Silver     | 109-1 | 0.94    | 0.91    | 0.94    | 0.93       | 2.07    | ppb   |
| Silver     | 107-1 | 0.89    | 0.91    | 0.88    | 0.89       | 1.54    | ppb   |
| Sodium     | 23-2  | 483.09  | 472.54  | 473.54  | 476.39     | 1.22    | ppb   |
| Strontium  | 86-1  | 0.84    | 0.92    | 0.92    | 0.90       | 4.99    | ppb   |
| Strontium  | 88-1  | 0.89    | 0.89    | 0.84    | 0.87       | 3.47    | ppb   |
| Sulfur     | 34-1  | -223.22 | -424.96 | -428.94 | -359.04    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.83    | 0.87    | 0.93    | 0.88       | 5.76    | ppb   |
| Thallium   | 205-1 | 0.92    | 0.91    | 0.92    | 0.92       | 0.63    | ppb   |
| Tin        | 118-1 | 4.49    | 4.55    | 4.47    | 4.50       | 0.91    | ppb   |
| Titanium   | 47-1  | 4.38    | 4.16    | 4.84    | 4.46       | 7.79    | ppb   |
| Uranium    | 238-1 | 0.89    | 0.83    | 0.88    | 0.86       | 3.54    | ppb   |
| Vanadium   | 51-2  | 4.49    | 4.45    | 4.49    | 4.48       | 0.55    | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 1.99    | 1.99    | 1.86    | 1.95       | 3.77    | ppb   |
| Zirconium  | 90-1  | 0.81    | 0.77    | 0.74    | 0.77       | 4.81    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLICV0101           | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLICV0101           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:13:43 | DataFile Name :   | 014LCSE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.82    | 0.79    | 0.84    | 0.81       | 2.73    | ppb   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 13:25:20 DataFile Name : 017CCBE\_P7033117.D

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 3.27    | 3.02    | 2.19    | 2.83       | 19.94   | ppb   |
| Antimony   | 121-1 | 0.12    | 0.16    | 0.20    | 0.16       | 24.17   | ppb   |
| Arsenic    | 75-2  | 0.05    | 0.07    | 0.08    | 0.07       | 21.46   | ppb   |
| Barium     | 135-1 | -0.02   | -0.02   | -0.01   | -0.02      |         | ppb   |
| Barium     | 137-1 | -0.01   | 0.00    | -0.01   | 0.00       |         | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.02    | -0.02   | 0.00       |         | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 0.88    | 1.09    | 0.84    | 0.94       | 14.72   | ppb   |
| Boron      | 11-1  | 1.85    | 1.31    | 1.40    | 1.52       | 18.97   | ppb   |
| Cadmium    | 106-1 | -1.44   | -0.46   | -1.08   | -0.99      |         | ppb   |
| Cadmium    | 108-1 | 0.04    | 0.04    | 0.04    | 0.04       | 0.64    | ppb   |
| Cadmium    | 111-1 | -0.11   | -0.04   | -0.08   | -0.08      |         | ppb   |
| Calcium    | 43-1  | 7.41    | 3.14    | 6.29    | 5.61       | 39.45   | ppb   |
| Calcium    | 44-1  | 1.96    | 0.87    | 1.28    | 1.37       | 40.19   | ppb   |
| Chromium   | 52-2  | 0.01    | 0.02    | -0.01   | 0.01       | 180.13  | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.11    | 0.12    | 0.10    | 0.11       | 6.70    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 4.62    | 4.57    | 4.62    | 4.60       | 0.70    | ppb   |
| Iron       | 57-2  | 4.70    | 4.68    | 4.91    | 4.76       | 2.64    | ppb   |
| Lead       | 206-1 | 0.02    | -0.01   | -0.01   | 0.00       | 1015.15 | ppb   |
| Lead       | 207-1 | 0.00    | 0.00    | 0.02    | 0.01       | 141.45  | ppb   |
| Lead       | 208-1 | 0.01    | 0.00    | 0.01    | 0.01       | 81.54   | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1.97    | 2.69    | 2.81    | 2.49       | 18.28   | ppb   |
| Manganese  | 55-2  | 0.00    | -0.03   | -0.03   | -0.02      |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:25:20 | DataFile Name :   | 017CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.31     | 0.42     | 0.51     | 0.41       | 24.38   | ppb   |
| Molybdenum | 95-1  | 0.92     | 1.15     | 1.45     | 1.18       | 22.60   | ppb   |
| Molybdenum | 96-1  | 0.82     | 0.99     | 1.26     | 1.02       | 21.54   | ppb   |
| Molybdenum | 97-1  | 0.93     | 1.22     | 1.54     | 1.23       | 24.75   | ppb   |
| Molybdenum | 98-1  | 0.93     | 1.20     | 1.60     | 1.24       | 27.37   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.10    | -0.06    | -0.13    | -0.10      |         | ppb   |
| Phosphorus | 31-2  | -10.18   | -15.87   | 4.38     | -7.22      |         | ppb   |
| Potassium  | 39-2  | 7.84     | 13.00    | 12.37    | 11.07      | 25.44   | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.35     | 0.12       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.37    | -0.02    | -1.11    | -0.50      |         | ppb   |
| Selenium   | 82-1  | 0.34     | 1.22     | 0.93     | 0.83       | 54.25   | ppb   |
| Silicon    | 28-1  | -18.77   | -16.20   | -16.54   | -17.17     |         | ppb   |
| Silver     | 109-1 | 0.03     | 0.02     | 0.03     | 0.03       | 22.35   | ppb   |
| Silver     | 107-1 | 0.05     | 0.03     | 0.03     | 0.04       | 21.15   | ppb   |
| Sodium     | 23-2  | 44.22    | 40.14    | 42.98    | 42.45      | 4.92    | ppb   |
| Strontium  | 86-1  | 0.05     | 0.07     | -0.07    | 0.02       | 464.07  | ppb   |
| Strontium  | 88-1  | 0.00     | 0.00     | 0.00     | 0.00       | 54.88   | ppb   |
| Sulfur     | 34-1  | -3062.57 | -2797.08 | -2749.14 | -2869.60   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.02     | 0.01     | 0.02     | 0.02       | 26.06   | ppb   |
| Thallium   | 205-1 | 0.02     | 0.02     | 0.02     | 0.02       | 1.80    | ppb   |
| Tin        | 118-1 | 0.01     | 0.03     | 0.05     | 0.03       | 71.67   | ppb   |
| Titanium   | 47-1  | 0.14     | 0.13     | 0.19     | 0.15       | 23.78   | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.03     | 0.06     | 0.00     | 0.03       | 107.37  | ppb   |
| Zirconium  | 90-1  | 0.03     | 0.05     | 0.05     | 0.04       | 24.47   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:25:20 | DataFile Name :   | 017CCBE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.03    | 0.05    | 0.05    | 0.04       | 29.97   | ppb   |



|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2017-03-31 13:28:52 | DataFile Name :   | 018ICSA01_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 90962.27 | 91102.58 | 92021.32 | 91362.06   | 0.63    | ppb   |
| Antimony   | 121-1 | 1.16     | 1.25     | 1.28     | 1.23       | 4.87    | ppb   |
| Arsenic    | 75-2  | 0.28     | 0.38     | 0.36     | 0.34       | 15.36   | ppb   |
| Barium     | 135-1 | 1.50     | 1.49     | 1.46     | 1.48       | 1.45    | ppb   |
| Barium     | 137-1 | 1.52     | 1.48     | 1.37     | 1.46       | 5.10    | ppb   |
| Beryllium  | 9-1   | 0.33     | 0.26     | 0.33     | 0.31       | 13.18   | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 1.97     | 1.74     | 2.39     | 2.04       | 16.19   | ppb   |
| Boron      | 11-1  | 1.62     | 1.65     | 1.72     | 1.66       | 3.08    | ppb   |
| Cadmium    | 106-1 | -1.73    | -1.03    | -1.11    | -1.29      |         | ppb   |
| Cadmium    | 108-1 | 9.81     | 9.97     | 10.44    | 10.07      | 3.28    | ppb   |
| Cadmium    | 111-1 | 0.22     | 0.28     | 0.30     | 0.27       | 15.66   | ppb   |
| Calcium    | 43-1  | 94494.62 | 93746.37 | 94380.83 | 94207.27   | 0.43    | ppb   |
| Calcium    | 44-1  | 95725.40 | 96570.14 | 96345.16 | 96213.56   | 0.45    | ppb   |
| Chromium   | 52-2  | 19.21    | 19.32    | 19.04    | 19.19      | 0.72    | ppb   |
| Cobalt     | 59-2  | 1.09     | 1.16     | 1.13     | 1.13       | 2.87    | ppb   |
| Copper     | 63-2  | 7.74     | 7.67     | 7.77     | 7.72       | 0.65    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 96666.87 | 96976.37 | 96491.23 | 96711.49   | 0.25    | ppb   |
| Iron       | 57-2  | 96551.43 | 96878.78 | 96986.20 | 96805.47   | 0.23    | ppb   |
| Lead       | 206-1 | 4.49     | 4.48     | 4.73     | 4.57       | 3.09    | ppb   |
| Lead       | 207-1 | 3.89     | 3.89     | 3.94     | 3.91       | 0.69    | ppb   |
| Lead       | 208-1 | 4.14     | 4.17     | 4.23     | 4.18       | 1.06    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 94974.65 | 95670.84 | 96737.62 | 95794.37   | 0.93    | ppb   |
| Manganese  | 55-2  | 7.60     | 7.72     | 7.78     | 7.70       | 1.16    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2017-03-31 13:28:52 | DataFile Name :   | 018ICSA01_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 585.96   | 587.37   | 588.34   | 587.22     | 0.20    | ppb   |
| Molybdenum | 95-1  | 1945.70  | 1914.42  | 1934.44  | 1931.52    | 0.82    | ppb   |
| Molybdenum | 96-1  | 1595.05  | 1582.30  | 1590.64  | 1589.33    | 0.41    | ppb   |
| Molybdenum | 97-1  | 1975.15  | 1967.81  | 1969.96  | 1970.97    | 0.19    | ppb   |
| Molybdenum | 98-1  | 1922.20  | 1904.08  | 1934.43  | 1920.24    | 0.80    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 4.98     | 4.87     | 4.99     | 4.95       | 1.39    | ppb   |
| Phosphorus | 31-2  | 95870.58 | 97361.34 | 96971.44 | 96734.45   | 0.80    | ppb   |
| Potassium  | 39-2  | 97544.26 | 97989.43 | 97961.69 | 97831.79   | 0.25    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.36     | 0.00     | 0.36     | 0.24       | 86.60   | ppb   |
| Selenium   | 78-2  | 0.47     | -0.14    | 0.39     | 0.24       | 139.82  | ppb   |
| Selenium   | 82-1  | 0.30     | 1.52     | 0.96     | 0.93       | 65.75   | ppb   |
| Silicon    | 28-1  | 9.02     | 6.61     | 5.77     | 7.13       | 23.65   | ppb   |
| Silver     | 109-1 | 0.09     | 0.11     | 0.11     | 0.10       | 14.41   | ppb   |
| Silver     | 107-1 | 0.10     | 0.10     | 0.12     | 0.10       | 13.00   | ppb   |
| Sodium     | 23-2  | 96131.20 | 96441.50 | 97688.30 | 96753.67   | 0.85    | ppb   |
| Strontium  | 86-1  | 32.34    | 32.00    | 32.07    | 32.14      | 0.56    | ppb   |
| Strontium  | 88-1  | 31.70    | 31.09    | 31.69    | 31.49      | 1.10    | ppb   |
| Sulfur     | 34-1  | 78936.10 | 77235.17 | 77388.69 | 77853.32   | 1.21    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.02     | 0.02     | 0.02     | 0.02       | 8.70    | ppb   |
| Thallium   | 205-1 | 0.02     | 0.01     | 0.02     | 0.02       | 26.78   | ppb   |
| Tin        | 118-1 | 0.18     | 0.17     | 0.18     | 0.18       | 2.90    | ppb   |
| Titanium   | 47-1  | 1928.20  | 1914.88  | 1914.51  | 1919.19    | 0.41    | ppb   |
| Uranium    | 238-1 | 0.01     | 0.01     | 0.01     | 0.01       | 4.81    | ppb   |
| Vanadium   | 51-2  | 0.17     | 0.16     | 0.18     | 0.17       | 4.43    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 11.28    | 11.22    | 11.11    | 11.20      | 0.76    | ppb   |
| Zirconium  | 90-1  | 0.18     | 0.16     | 0.19     | 0.18       | 7.01    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2017-03-31 13:28:52 | DataFile Name :   | 018ICSA01_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.19    | 0.18    | 0.19    | 0.19       | 4.48    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:32:19 | DataFile Name :   | 019SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 91445.16 | 91492.51 | 91456.52 | 91464.73   | 0.03    | ppb   |
| Antimony   | 121-1 | 20.51    | 20.22    | 20.04    | 20.26      | 1.17    | ppb   |
| Arsenic    | 75-2  | 19.59    | 19.43    | 19.29    | 19.43      | 0.78    | ppb   |
| Barium     | 135-1 | 21.07    | 21.13    | 21.03    | 21.08      | 0.24    | ppb   |
| Barium     | 137-1 | 21.26    | 21.31    | 21.02    | 21.20      | 0.72    | ppb   |
| Beryllium  | 9-1   | 19.51    | 20.30    | 20.00    | 19.93      | 2.01    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 52.21    | 49.43    | 52.43    | 51.36      | 3.26    | ppb   |
| Boron      | 11-1  | 52.40    | 52.70    | 53.11    | 52.74      | 0.68    | ppb   |
| Cadmium    | 106-1 | 23.81    | 22.95    | 21.26    | 22.67      | 5.73    | ppb   |
| Cadmium    | 108-1 | 33.76    | 32.49    | 31.67    | 32.64      | 3.23    | ppb   |
| Cadmium    | 111-1 | 19.93    | 19.81    | 19.54    | 19.76      | 1.00    | ppb   |
| Calcium    | 43-1  | 94780.93 | 93942.85 | 93535.84 | 94086.54   | 0.67    | ppb   |
| Calcium    | 44-1  | 97300.95 | 96440.35 | 95188.07 | 96309.79   | 1.10    | ppb   |
| Chromium   | 52-2  | 39.11    | 38.91    | 38.42    | 38.81      | 0.92    | ppb   |
| Cobalt     | 59-2  | 20.88    | 20.48    | 20.51    | 20.62      | 1.06    | ppb   |
| Copper     | 63-2  | 26.83    | 27.34    | 27.15    | 27.11      | 0.95    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Iron       | 56-2  | 96806.99 | 96278.65 | 95924.88 | 96336.84   | 0.46    | ppb   |
| Iron       | 57-2  | 96991.41 | 96813.28 | 96038.29 | 96614.33   | 0.52    | ppb   |
| Lead       | 206-1 | 24.81    | 25.08    | 24.80    | 24.90      | 0.66    | ppb   |
| Lead       | 207-1 | 22.66    | 22.52    | 22.38    | 22.52      | 0.61    | ppb   |
| Lead       | 208-1 | 23.36    | 23.47    | 23.26    | 23.36      | 0.47    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 95106.31 | 95357.07 | 94832.94 | 95098.77   | 0.28    | ppb   |
| Manganese  | 55-2  | 27.84    | 27.95    | 27.50    | 27.76      | 0.84    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:32:19 | DataFile Name :   | 019SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 97-1  | 2014.67  | 2031.20  | 2024.33  | 2023.40    | 0.41    | ppb   |
| Molybdenum | 98-1  | 1982.72  | 1975.83  | 2000.58  | 1986.38    | 0.64    | ppb   |
| Molybdenum | 94-1  | 637.22   | 643.15   | 642.52   | 640.96     | 0.51    | ppb   |
| Molybdenum | 95-1  | 1986.49  | 1979.11  | 2006.38  | 1990.66    | 0.71    | ppb   |
| Molybdenum | 96-1  | 1645.21  | 1681.80  | 1657.71  | 1661.57    | 1.12    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 25.24    | 25.09    | 24.48    | 24.94      | 1.62    | ppb   |
| Phosphorus | 31-2  | 96652.09 | 96702.33 | 95939.07 | 96431.17   | 0.44    | ppb   |
| Potassium  | 39-2  | 97586.32 | 98197.83 | 97198.82 | 97660.99   | 0.52    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Selenium   | 82-1  | 21.30    | 21.47    | 21.16    | 21.31      | 0.72    | ppb   |
| Selenium   | 77-2  | 19.05    | 15.69    | 20.75    | 18.49      | 13.92   | ppb   |
| Selenium   | 78-2  | 19.65    | 18.13    | 22.88    | 20.22      | 12.01   | ppb   |
| Silicon    | 28-1  | 70.78    | 67.44    | 65.56    | 67.93      | 3.89    | ppb   |
| Silver     | 107-1 | 18.56    | 18.39    | 18.13    | 18.36      | 1.19    | ppb   |
| Silver     | 109-1 | 18.71    | 18.51    | 18.39    | 18.54      | 0.89    | ppb   |
| Sodium     | 23-2  | 97613.65 | 96626.23 | 96844.62 | 97028.17   | 0.53    | ppb   |
| Strontium  | 86-1  | 80.60    | 80.73    | 80.86    | 80.73      | 0.16    | ppb   |
| Strontium  | 88-1  | 79.45    | 79.98    | 79.81    | 79.75      | 0.34    | ppb   |
| Sulfur     | 34-1  | 78733.53 | 77558.53 | 77474.39 | 77922.15   | 0.90    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 19.30    | 19.74    | 20.01    | 19.68      | 1.83    | ppb   |
| Thallium   | 205-1 | 19.62    | 20.12    | 19.97    | 19.90      | 1.28    | ppb   |
| Tin        | 118-1 | 49.33    | 48.70    | 48.00    | 48.68      | 1.36    | ppb   |
| Titanium   | 47-1  | 1963.67  | 1957.40  | 1961.35  | 1960.81    | 0.16    | ppb   |
| Uranium    | 238-1 | 48.64    | 48.35    | 48.16    | 48.38      | 0.50    | ppb   |
| Vanadium   | 51-2  | 19.36    | 19.38    | 19.63    | 19.45      | 0.78    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 31.12    | 30.59    | 31.39    | 31.03      | 1.31    | ppb   |
| Zirconium  | 90-1  | 48.39    | 48.73    | 49.14    | 48.75      | 0.77    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:32:19 | DataFile Name :   | 019SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 50.21   | 50.40   | 50.21   | 50.27      | 0.22    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCV48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCV48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:35:46 | DataFile Name :   | 020SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9371.96  | 9403.76  | 9419.70  | 9398.47    | 0.26    | ppb   |
| Antimony   | 121-1 | 500.12   | 478.29   | 469.45   | 482.62     | 3.27    | ppb   |
| Arsenic    | 75-2  | 503.81   | 505.70   | 501.89   | 503.80     | 0.38    | ppb   |
| Barium     | 135-1 | 2486.42  | 2545.49  | 2543.15  | 2525.02    | 1.32    | ppb   |
| Barium     | 137-1 | 2482.60  | 2538.96  | 2500.11  | 2507.22    | 1.15    | ppb   |
| Beryllium  | 9-1   | 487.95   | 487.98   | 491.85   | 489.26     | 0.46    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 477.71   | 497.77   | 491.50   | 488.99     | 2.10    | ppb   |
| Boron      | 11-1  | 490.77   | 493.08   | 496.47   | 493.44     | 0.58    | ppb   |
| Cadmium    | 106-1 | 502.86   | 509.09   | 501.45   | 504.47     | 0.81    | ppb   |
| Cadmium    | 108-1 | 500.54   | 507.83   | 505.17   | 504.51     | 0.73    | ppb   |
| Cadmium    | 111-1 | 504.51   | 510.61   | 501.55   | 505.56     | 0.91    | ppb   |
| Calcium    | 43-1  | 48419.74 | 48249.23 | 48737.03 | 48468.67   | 0.51    | ppb   |
| Calcium    | 44-1  | 49702.42 | 49688.64 | 49957.75 | 49782.94   | 0.30    | ppb   |
| Chromium   | 52-2  | 504.83   | 504.17   | 506.01   | 505.00     | 0.19    | ppb   |
| Cobalt     | 59-2  | 498.75   | 497.90   | 499.98   | 498.88     | 0.21    | ppb   |
| Copper     | 63-2  | 992.14   | 992.08   | 1000.34  | 994.85     | 0.48    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 25067.50 | 25028.02 | 25196.76 | 25097.43   | 0.35    | ppb   |
| Iron       | 57-2  | 24269.33 | 24208.61 | 24375.26 | 24284.40   | 0.35    | ppb   |
| Lead       | 206-1 | 506.55   | 503.29   | 498.78   | 502.87     | 0.78    | ppb   |
| Lead       | 207-1 | 499.31   | 495.66   | 491.42   | 495.46     | 0.80    | ppb   |
| Lead       | 208-1 | 506.62   | 501.79   | 494.68   | 501.03     | 1.20    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 50361.52 | 50104.94 | 50508.40 | 50324.95   | 0.41    | ppb   |
| Manganese  | 55-2  | 1009.90  | 1009.23  | 1016.14  | 1011.75    | 0.38    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCV48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCV48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:35:46 | DataFile Name :   | 020SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 506.19   | 484.93   | 500.00   | 497.04     | 2.20    | ppb   |
| Molybdenum | 95-1  | 487.49   | 486.01   | 483.72   | 485.74     | 0.39    | ppb   |
| Molybdenum | 96-1  | 486.86   | 486.36   | 482.62   | 485.28     | 0.48    | ppb   |
| Molybdenum | 97-1  | 498.56   | 499.42   | 496.85   | 498.28     | 0.26    | ppb   |
| Molybdenum | 98-1  | 488.91   | 489.86   | 489.19   | 489.32     | 0.10    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 508.14   | 508.28   | 510.40   | 508.94     | 0.25    | ppb   |
| Phosphorus | 31-2  | 10169.54 | 10040.88 | 10302.18 | 10170.87   | 1.28    | ppb   |
| Potassium  | 39-2  | 25238.24 | 25330.98 | 25232.02 | 25267.08   | 0.22    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 488.25   | 512.30   | 513.61   | 504.72     | 2.83    | ppb   |
| Selenium   | 78-2  | 496.76   | 497.59   | 500.06   | 498.14     | 0.34    | ppb   |
| Selenium   | 82-1  | 501.86   | 495.53   | 498.05   | 498.48     | 0.64    | ppb   |
| Silicon    | 28-1  | 464.49   | 463.52   | 472.70   | 466.90     | 1.08    | ppb   |
| Silver     | 109-1 | 512.83   | 514.02   | 508.21   | 511.69     | 0.60    | ppb   |
| Silver     | 107-1 | 515.80   | 516.33   | 511.13   | 514.42     | 0.56    | ppb   |
| Sodium     | 23-2  | 50404.22 | 50176.14 | 50117.40 | 50232.59   | 0.30    | ppb   |
| Strontium  | 86-1  | 496.95   | 497.58   | 497.08   | 497.20     | 0.07    | ppb   |
| Strontium  | 88-1  | 502.03   | 500.64   | 496.75   | 499.81     | 0.55    | ppb   |
| Sulfur     | 34-1  | 8899.65  | 8947.91  | 8969.05  | 8938.87    | 0.40    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 494.19   | 498.30   | 501.82   | 498.10     | 0.77    | ppb   |
| Thallium   | 205-1 | 509.33   | 508.67   | 511.70   | 509.90     | 0.31    | ppb   |
| Tin        | 118-1 | 485.01   | 490.62   | 484.91   | 486.85     | 0.67    | ppb   |
| Titanium   | 47-1  | 496.27   | 497.59   | 501.43   | 498.43     | 0.54    | ppb   |
| Uranium    | 238-1 | 489.12   | 491.75   | 491.91   | 490.93     | 0.32    | ppb   |
| Vanadium   | 51-2  | 503.56   | 500.41   | 505.14   | 503.04     | 0.48    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1019.85  | 1014.58  | 1024.18  | 1019.54    | 0.47    | ppb   |
| Zirconium  | 90-1  | 496.79   | 499.97   | 496.09   | 497.62     | 0.42    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCV48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCV48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:35:46 | DataFile Name :   | 020SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 492.82  | 496.27  | 496.33  | 495.14     | 0.41    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV1              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV1              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:55:35 | DataFile Name :   | 022LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 18.79   | 20.47   | 17.63   | 18.96      | 7.52    | ppb   |
| Antimony   | 121-1 | 2.19    | 2.22    | 2.26    | 2.22       | 1.47    | ppb   |
| Arsenic    | 75-2  | 1.00    | 0.87    | 0.98    | 0.95       | 7.46    | ppb   |
| Barium     | 135-1 | 9.18    | 9.45    | 9.02    | 9.22       | 2.31    | ppb   |
| Barium     | 137-1 | 9.17    | 9.31    | 9.13    | 9.21       | 1.04    | ppb   |
| Beryllium  | 9-1   | 0.88    | 0.98    | 1.04    | 0.97       | 8.01    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 20.22   | 21.13   | 24.33   | 21.89      | 9.84    | ppb   |
| Boron      | 11-1  | 22.21   | 23.04   | 23.67   | 22.97      | 3.17    | ppb   |
| Cadmium    | 106-1 | 0.72    | -0.40   | -1.06   | -0.25      |         | ppb   |
| Cadmium    | 108-1 | 0.99    | 1.02    | 0.71    | 0.91       | 18.70   | ppb   |
| Cadmium    | 111-1 | 0.93    | 0.90    | 0.86    | 0.90       | 3.80    | ppb   |
| Calcium    | 43-1  | 441.80  | 450.99  | 445.30  | 446.03     | 1.04    | ppb   |
| Calcium    | 44-1  | 444.71  | 451.63  | 445.66  | 447.33     | 0.84    | ppb   |
| Chromium   | 52-2  | 2.02    | 1.92    | 1.96    | 1.97       | 2.66    | ppb   |
| Cobalt     | 59-2  | 0.95    | 0.98    | 0.96    | 0.96       | 1.59    | ppb   |
| Copper     | 63-2  | 2.09    | 2.15    | 2.16    | 2.13       | 1.93    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 46.79   | 47.56   | 47.17   | 47.17      | 0.82    | ppb   |
| Iron       | 57-2  | 45.16   | 47.21   | 47.09   | 46.49      | 2.46    | ppb   |
| Lead       | 206-1 | 1.07    | 1.09    | 1.14    | 1.10       | 3.50    | ppb   |
| Lead       | 207-1 | 1.08    | 1.07    | 1.04    | 1.06       | 1.59    | ppb   |
| Lead       | 208-1 | 1.07    | 1.06    | 1.08    | 1.07       | 1.06    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 474.17  | 480.77  | 474.83  | 476.59     | 0.76    | ppb   |
| Manganese  | 55-2  | 0.99    | 1.01    | 1.01    | 1.01       | 0.99    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV1              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV1              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:55:35 | DataFile Name :   | 022LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 2.02     | 2.01     | 2.07     | 2.03       | 1.61    | ppb   |
| Molybdenum | 95-1  | 4.64     | 4.76     | 4.56     | 4.65       | 2.17    | ppb   |
| Molybdenum | 96-1  | 3.96     | 4.01     | 4.04     | 4.00       | 0.98    | ppb   |
| Molybdenum | 97-1  | 4.86     | 4.87     | 4.80     | 4.84       | 0.77    | ppb   |
| Molybdenum | 98-1  | 4.59     | 4.68     | 4.80     | 4.69       | 2.22    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.91     | 0.87     | 0.97     | 0.92       | 5.80    | ppb   |
| Phosphorus | 31-2  | 17.65    | -0.97    | -10.75   | 1.98       | 730.12  | ppb   |
| Potassium  | 39-2  | 462.43   | 475.62   | 478.15   | 472.06     | 1.79    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 3.28     | 6.53     | 1.46     | 3.76       | 68.35   | ppb   |
| Selenium   | 78-2  | 3.89     | 5.48     | 4.72     | 4.69       | 16.96   | ppb   |
| Selenium   | 82-1  | 4.61     | 4.29     | 6.67     | 5.19       | 24.86   | ppb   |
| Silicon    | 28-1  | -14.53   | -14.75   | -14.65   | -14.65     |         | ppb   |
| Silver     | 109-1 | 1.00     | 0.99     | 0.95     | 0.98       | 2.52    | ppb   |
| Silver     | 107-1 | 0.94     | 0.98     | 0.92     | 0.95       | 3.22    | ppb   |
| Sodium     | 23-2  | 504.60   | 512.46   | 501.11   | 506.06     | 1.15    | ppb   |
| Strontium  | 86-1  | 0.88     | 1.06     | 0.91     | 0.95       | 9.89    | ppb   |
| Strontium  | 88-1  | 0.93     | 0.94     | 0.92     | 0.93       | 0.96    | ppb   |
| Sulfur     | 34-1  | -1162.24 | -1102.91 | -1115.14 | -1126.77   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.90     | 0.88     | 0.91     | 0.90       | 1.59    | ppb   |
| Thallium   | 205-1 | 0.93     | 0.93     | 0.89     | 0.92       | 3.03    | ppb   |
| Tin        | 118-1 | 4.56     | 4.85     | 4.61     | 4.67       | 3.36    | ppb   |
| Titanium   | 47-1  | 4.85     | 4.67     | 4.46     | 4.66       | 4.24    | ppb   |
| Uranium    | 238-1 | 0.89     | 0.87     | 0.89     | 0.88       | 1.01    | ppb   |
| Vanadium   | 51-2  | 4.67     | 4.71     | 4.79     | 4.72       | 1.27    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1.96     | 1.80     | 2.07     | 1.94       | 6.90    | ppb   |
| Zirconium  | 90-1  | 0.84     | 0.82     | 0.78     | 0.81       | 3.60    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV1              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV1              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:55:35 | DataFile Name :   | 022LCSE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.95    | 0.84    | 0.93    | 0.91       | 6.16    | ppb   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : CCB48 Instrumnet Name : P7  
 Client Sample ID : CCB48 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 13:59:05 DataFile Name : 023CCBE\_P7033117.D

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.47    | 0.63    | 0.22    | 0.44       | 47.40   | ppb   |
| Antimony   | 121-1 | 0.15    | 0.18    | 0.21    | 0.18       | 15.03   | ppb   |
| Arsenic    | 75-2  | 0.07    | 0.03    | 0.07    | 0.05       | 44.44   | ppb   |
| Barium     | 135-1 | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Barium     | 137-1 | -0.01   | 0.00    | -0.01   | -0.01      |         | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 0.72    | 1.23    | 1.88    | 1.28       | 45.79   | ppb   |
| Boron      | 11-1  | 1.26    | 1.34    | 1.21    | 1.27       | 5.07    | ppb   |
| Cadmium    | 106-1 | -0.76   | -1.68   | -1.83   | -1.42      |         | ppb   |
| Cadmium    | 108-1 | 0.04    | 0.04    | 0.00    | 0.03       | 88.88   | ppb   |
| Cadmium    | 111-1 | -0.06   | -0.13   | -0.14   | -0.11      |         | ppb   |
| Calcium    | 43-1  | 1.39    | -0.03   | 0.06    | 0.47       | 167.35  | ppb   |
| Calcium    | 44-1  | -2.46   | -5.61   | -3.71   | -3.93      |         | ppb   |
| Chromium   | 52-2  | 0.01    | 0.02    | 0.00    | 0.01       | 99.64   | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.04    | 0.06    | 0.05    | 0.05       | 18.94   | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.35    | 0.56    | 0.39    | 0.43       | 25.75   | ppb   |
| Iron       | 57-2  | 0.41    | -0.16   | 0.76    | 0.33       | 138.96  | ppb   |
| Lead       | 206-1 | -0.03   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Lead       | 207-1 | -0.03   | -0.02   | -0.03   | -0.03      |         | ppb   |
| Lead       | 208-1 | -0.03   | -0.02   | -0.03   | -0.03      |         | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.59    | 0.23    | 0.80    | 0.54       | 53.42   | ppb   |
| Manganese  | 55-2  | -0.02   | -0.01   | -0.02   | -0.02      |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:59:05 | DataFile Name :   | 023CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.05    | 0.09     | 0.08     | 0.07       | 24.73   | ppb   |
| Molybdenum | 95-1  | 0.11    | 0.15     | 0.18     | 0.14       | 24.93   | ppb   |
| Molybdenum | 96-1  | 0.08    | 0.15     | 0.18     | 0.14       | 38.10   | ppb   |
| Molybdenum | 97-1  | 0.11    | 0.15     | 0.23     | 0.16       | 36.02   | ppb   |
| Molybdenum | 98-1  | 0.12    | 0.18     | 0.21     | 0.17       | 25.93   | ppb   |
| Neodymium  | 150-1 |         |          |          |            |         | cps   |
| Neodymium  | 150-2 |         |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.11   | -0.11    | -0.10    | -0.11      |         | ppb   |
| Phosphorus | 31-2  | -20.50  | -10.70   | 3.31     | -9.30      |         | ppb   |
| Potassium  | 39-2  | -1.51   | 8.80     | 2.94     | 3.41       | 151.68  | ppb   |
| Rhodium    | 103-2 |         |          |          |            |         | %     |
| Rhodium    | 103-1 |         |          |          |            |         | %     |
| Scandium   | 45-1  |         |          |          |            |         | %     |
| Scandium   | 45-2  |         |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.37     | 0.00     | 0.12       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.74   | -1.09    | -0.79    | -0.87      |         | ppb   |
| Selenium   | 82-1  | 1.18    | 0.44     | 0.53     | 0.72       | 56.09   | ppb   |
| Silicon    | 28-1  | -14.80  | -19.78   | -18.38   | -17.65     |         | ppb   |
| Silver     | 109-1 | 0.01    | 0.01     | 0.01     | 0.01       | 29.52   | ppb   |
| Silver     | 107-1 | 0.01    | 0.01     | 0.01     | 0.01       | 13.41   | ppb   |
| Sodium     | 23-2  | 26.58   | 30.29    | 25.14    | 27.34      | 9.72    | ppb   |
| Strontium  | 86-1  | 0.01    | 0.02     | 0.05     | 0.03       | 71.61   | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00     | 0.00     | 0.00       | 52.50   | ppb   |
| Sulfur     | 34-1  | -873.66 | -1243.20 | -1202.90 | -1106.59   |         | ppb   |
| Terbium    | 159-1 |         |          |          |            |         | %     |
| Terbium    | 159-2 |         |          |          |            |         | %     |
| Thallium   | 203-1 | -0.01   | -0.01    | 0.00     | 0.00       |         | ppb   |
| Thallium   | 205-1 | 0.00    | -0.01    | 0.00     | 0.00       |         | ppb   |
| Tin        | 118-1 | 0.02    | 0.03     | 0.03     | 0.03       | 17.76   | ppb   |
| Titanium   | 47-1  | 0.02    | 0.00     | 0.01     | 0.01       | 61.16   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00     | -0.01    | 0.00       |         | ppb   |
| Yttrium    | 89-2  |         |          |          |            |         | %     |
| Yttrium    | 89-1  |         |          |          |            |         | %     |
| Zinc       | 66-2  | -0.10   | 0.05     | 0.12     | 0.03       | 446.98  | ppb   |
| Zirconium  | 90-1  | 0.02    | 0.02     | 0.04     | 0.03       | 42.45   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:59:05 | DataFile Name :   | 023CCBE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.04    | 0.04    | 0.05    | 0.05       | 15.45   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                 |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:02:35 | DataFile Name :   | 024LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 18.93   | 19.21   | 17.56   | 18.57      | 4.75    | ppb   |
| Antimony   | 121-1 | 2.01    | 2.10    | 2.06    | 2.05       | 2.16    | ppb   |
| Arsenic    | 75-2  | 0.94    | 1.10    | 1.01    | 1.01       | 7.90    | ppb   |
| Barium     | 135-1 | 9.85    | 9.79    | 9.54    | 9.73       | 1.68    | ppb   |
| Barium     | 137-1 | 9.42    | 9.48    | 9.83    | 9.58       | 2.31    | ppb   |
| Beryllium  | 9-1   | 0.93    | 1.00    | 0.92    | 0.95       | 4.47    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 24.21   | 22.68   | 23.18   | 23.36      | 3.34    | ppb   |
| Boron      | 11-1  | 22.77   | 23.68   | 23.79   | 23.41      | 2.38    | ppb   |
| Cadmium    | 106-1 | 0.11    | -0.98   | -0.10   | -0.32      |         | ppb   |
| Cadmium    | 108-1 | 1.01    | 1.16    | 1.01    | 1.06       | 7.93    | ppb   |
| Cadmium    | 111-1 | 0.96    | 0.87    | 0.91    | 0.91       | 5.09    | ppb   |
| Calcium    | 43-1  | 473.52  | 472.38  | 464.51  | 470.14     | 1.04    | ppb   |
| Calcium    | 44-1  | 463.45  | 466.15  | 460.96  | 463.52     | 0.56    | ppb   |
| Chromium   | 52-2  | 2.06    | 2.08    | 2.05    | 2.06       | 0.61    | ppb   |
| Cobalt     | 59-2  | 0.97    | 0.98    | 0.95    | 0.97       | 1.49    | ppb   |
| Copper     | 63-2  | 2.14    | 2.08    | 2.16    | 2.13       | 2.00    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 48.36   | 48.87   | 48.00   | 48.41      | 0.91    | ppb   |
| Iron       | 57-2  | 49.75   | 49.68   | 46.39   | 48.61      | 3.95    | ppb   |
| Lead       | 206-1 | 1.10    | 1.02    | 1.05    | 1.06       | 3.56    | ppb   |
| Lead       | 207-1 | 1.05    | 1.00    | 1.07    | 1.04       | 3.42    | ppb   |
| Lead       | 208-1 | 1.03    | 1.03    | 1.06    | 1.04       | 1.76    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 497.18  | 503.56  | 497.00  | 499.25     | 0.75    | ppb   |
| Manganese  | 55-2  | 1.04    | 0.99    | 1.07    | 1.03       | 3.86    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                 |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:02:35 | DataFile Name :   | 024LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 2.06    | 2.06    | 2.11    | 2.08       | 1.23    | ppb   |
| Molybdenum | 95-1  | 4.72    | 4.84    | 4.76    | 4.77       | 1.22    | ppb   |
| Molybdenum | 96-1  | 4.06    | 4.09    | 4.04    | 4.06       | 0.69    | ppb   |
| Molybdenum | 97-1  | 5.01    | 4.76    | 4.92    | 4.90       | 2.66    | ppb   |
| Molybdenum | 98-1  | 4.84    | 4.73    | 4.77    | 4.78       | 1.18    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.92    | 0.96    | 0.97    | 0.95       | 2.85    | ppb   |
| Phosphorus | 31-2  | -4.93   | 27.09   | 12.97   | 11.71      | 136.98  | ppb   |
| Potassium  | 39-2  | 487.67  | 485.35  | 491.61  | 488.21     | 0.65    | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 6.96    | 5.48    | 5.87    | 6.11       | 12.52   | ppb   |
| Selenium   | 78-2  | 6.64    | 4.10    | 3.78    | 4.84       | 32.36   | ppb   |
| Selenium   | 82-1  | 6.66    | 5.86    | 5.05    | 5.86       | 13.72   | ppb   |
| Silicon    | 28-1  | -9.90   | -8.88   | -13.51  | -10.76     |         | ppb   |
| Silver     | 109-1 | 1.01    | 1.05    | 1.06    | 1.04       | 2.50    | ppb   |
| Silver     | 107-1 | 1.05    | 1.06    | 1.04    | 1.05       | 0.87    | ppb   |
| Sodium     | 23-2  | 526.03  | 523.56  | 515.10  | 521.56     | 1.10    | ppb   |
| Strontium  | 86-1  | 0.90    | 0.96    | 0.94    | 0.93       | 3.37    | ppb   |
| Strontium  | 88-1  | 0.98    | 0.98    | 0.98    | 0.98       | 0.22    | ppb   |
| Sulfur     | 34-1  | -838.37 | -569.97 | -861.29 | -756.54    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.95    | 0.94    | 0.94    | 0.94       | 0.54    | ppb   |
| Thallium   | 205-1 | 0.95    | 0.96    | 0.94    | 0.95       | 1.42    | ppb   |
| Tin        | 118-1 | 4.74    | 4.67    | 4.84    | 4.75       | 1.79    | ppb   |
| Titanium   | 47-1  | 4.87    | 4.85    | 4.46    | 4.73       | 4.79    | ppb   |
| Uranium    | 238-1 | 0.94    | 0.91    | 0.92    | 0.92       | 1.64    | ppb   |
| Vanadium   | 51-2  | 4.92    | 4.72    | 4.87    | 4.83       | 2.19    | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 2.11    | 2.15    | 2.15    | 2.14       | 1.14    | ppb   |
| Zirconium  | 90-1  | 0.88    | 0.87    | 0.83    | 0.86       | 2.85    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                 |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:02:35 | DataFile Name :   | 024LCSE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.90    | 0.96    | 0.91    | 0.92       | 3.29    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:06:06 | DataFile Name :   | 025SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1423.15 | 1410.08 | 1432.99 | 1422.08    | 0.81    | ppb   |
| Antimony   | 121-1 | 144.39  | 144.74  | 143.07  | 144.06     | 0.61    | ppb   |
| Arsenic    | 75-2  | 718.58  | 714.01  | 714.13  | 715.57     | 0.36    | ppb   |
| Barium     | 135-1 | 1592.67 | 1597.78 | 1573.76 | 1588.07    | 0.80    | ppb   |
| Barium     | 137-1 | 1622.73 | 1615.11 | 1607.18 | 1615.00    | 0.48    | ppb   |
| Beryllium  | 9-1   | 298.44  | 298.56  | 298.25  | 298.42     | 0.05    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 969.81  | 961.83  | 977.36  | 969.67     | 0.80    | ppb   |
| Boron      | 11-1  | 955.59  | 976.66  | 985.84  | 972.70     | 1.59    | ppb   |
| Cadmium    | 106-1 | 166.90  | 163.51  | 165.65  | 165.35     | 1.04    | ppb   |
| Cadmium    | 108-1 | 188.72  | 182.00  | 180.29  | 183.67     | 2.43    | ppb   |
| Cadmium    | 111-1 | 202.73  | 201.71  | 200.07  | 201.50     | 0.67    | ppb   |
| Calcium    | 43-1  | 129.50  | 121.41  | 125.89  | 125.60     | 3.23    | ppb   |
| Calcium    | 44-1  | 59.38   | 59.64   | 58.44   | 59.15      | 1.07    | ppb   |
| Chromium   | 52-2  | 239.51  | 238.26  | 237.09  | 238.29     | 0.51    | ppb   |
| Cobalt     | 59-2  | 248.75  | 248.03  | 246.85  | 247.88     | 0.39    | ppb   |
| Copper     | 63-2  | 553.52  | 550.47  | 550.78  | 551.59     | 0.30    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 2412.49 | 2381.40 | 2375.98 | 2389.96    | 0.82    | ppb   |
| Iron       | 57-2  | 2330.09 | 2305.74 | 2310.55 | 2315.46    | 0.56    | ppb   |
| Lead       | 206-1 | 1055.18 | 1071.21 | 1072.72 | 1066.37    | 0.91    | ppb   |
| Lead       | 207-1 | 1009.47 | 1009.99 | 1018.78 | 1012.75    | 0.52    | ppb   |
| Lead       | 208-1 | 1038.02 | 1040.21 | 1040.16 | 1039.47    | 0.12    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.08    | 0.25    | -0.24   | 0.03       | 921.77  | ppb   |
| Manganese  | 55-2  | 1410.53 | 1399.91 | 1400.43 | 1403.62    | 0.43    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:06:06 | DataFile Name :   | 025SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 39.43    | 38.91    | 39.78    | 39.37      | 1.11    | ppb   |
| Molybdenum | 95-1  | 128.79   | 126.20   | 126.70   | 127.23     | 1.08    | ppb   |
| Molybdenum | 96-1  | 106.88   | 105.75   | 105.86   | 106.16     | 0.59    | ppb   |
| Molybdenum | 97-1  | 132.00   | 132.28   | 130.60   | 131.62     | 0.68    | ppb   |
| Molybdenum | 98-1  | 129.05   | 128.51   | 128.10   | 128.56     | 0.37    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 822.00   | 817.38   | 816.66   | 818.68     | 0.35    | ppb   |
| Phosphorus | 31-2  | -12.38   | -7.26    | -15.44   | -11.69     |         | ppb   |
| Potassium  | 39-2  | -3.05    | -1.77    | 6.21     | 0.46       | 1087.33 | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 184.57   | 202.41   | 181.74   | 189.57     | 5.91    | ppb   |
| Selenium   | 78-2  | 181.31   | 185.67   | 185.73   | 184.24     | 1.38    | ppb   |
| Selenium   | 82-1  | 184.12   | 183.09   | 185.74   | 184.32     | 0.73    | ppb   |
| Silicon    | 28-1  | 484.05   | 485.89   | 481.57   | 483.84     | 0.45    | ppb   |
| Silver     | 109-1 | 298.53   | 296.88   | 295.07   | 296.83     | 0.58    | ppb   |
| Silver     | 107-1 | 299.62   | 296.08   | 294.63   | 296.78     | 0.86    | ppb   |
| Sodium     | 23-2  | 86.68    | 83.90    | 87.23    | 85.93      | 2.07    | ppb   |
| Strontium  | 86-1  | 315.96   | 314.58   | 314.57   | 315.04     | 0.25    | ppb   |
| Strontium  | 88-1  | 321.37   | 318.26   | 316.70   | 318.77     | 0.75    | ppb   |
| Sulfur     | 34-1  | -1385.59 | -1479.88 | -1605.44 | -1490.30   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 113.10   | 113.55   | 113.87   | 113.51     | 0.34    | ppb   |
| Thallium   | 205-1 | 114.30   | 115.99   | 115.92   | 115.40     | 0.83    | ppb   |
| Tin        | 118-1 | 0.03     | 0.04     | 0.03     | 0.04       | 21.90   | ppb   |
| Titanium   | 47-1  | 0.11     | 0.21     | 0.26     | 0.19       | 40.97   | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 1721.52  | 1729.07  | 1716.91  | 1722.50    | 0.36    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1018.80  | 1014.10  | 1014.56  | 1015.82    | 0.26    | ppb   |
| Zirconium  | 90-1  | 0.66     | 0.68     | 0.70     | 0.68       | 2.36    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:06:06 | DataFile Name :   | 025SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.86    | 0.83    | 0.94    | 0.88       | 6.92    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:09:33 | DataFile Name :   | 026SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 39.09   | 34.91   | 32.34   | 35.45      | 9.61    | ppb   |
| Antimony   | 121-1 | 0.27    | 0.28    | 0.34    | 0.30       | 12.60   | ppb   |
| Arsenic    | 75-2  | 0.74    | 0.82    | 0.86    | 0.81       | 7.61    | ppb   |
| Barium     | 135-1 | 0.19    | 0.21    | 0.16    | 0.18       | 12.80   | ppb   |
| Barium     | 137-1 | 0.18    | 0.18    | 0.16    | 0.17       | 8.51    | ppb   |
| Beryllium  | 9-1   | 0.06    | 0.05    | 0.01    | 0.04       | 62.84   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 136.99  | 142.25  | 135.03  | 138.09     | 2.70    | ppb   |
| Boron      | 11-1  | 134.50  | 137.93  | 135.63  | 136.02     | 1.29    | ppb   |
| Cadmium    | 106-1 | -2.58   | -2.32   | -1.87   | -2.26      |         | ppb   |
| Cadmium    | 108-1 | 0.08    | 0.24    | 0.04    | 0.12       | 89.26   | ppb   |
| Cadmium    | 111-1 | -0.19   | -0.19   | -0.14   | -0.17      |         | ppb   |
| Calcium    | 43-1  | 0.87    | -4.53   | -0.22   | -1.29      |         | ppb   |
| Calcium    | 44-1  | -2.73   | -2.54   | -1.63   | -2.30      |         | ppb   |
| Chromium   | 52-2  | 0.03    | 0.05    | 0.02    | 0.03       | 47.45   | ppb   |
| Cobalt     | 59-2  | 0.06    | 0.07    | 0.06    | 0.06       | 10.29   | ppb   |
| Copper     | 63-2  | 0.13    | 0.12    | 0.15    | 0.13       | 11.17   | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.96    | 0.95    | 0.98    | 0.96       | 1.57    | ppb   |
| Iron       | 57-2  | 0.90    | 0.82    | 1.86    | 1.19       | 48.71   | ppb   |
| Lead       | 206-1 | 0.17    | 0.15    | 0.19    | 0.17       | 12.54   | ppb   |
| Lead       | 207-1 | 0.16    | 0.14    | 0.20    | 0.17       | 17.29   | ppb   |
| Lead       | 208-1 | 0.16    | 0.17    | 0.19    | 0.17       | 7.84    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.52    | 0.04    | 0.78    | 0.45       | 83.89   | ppb   |
| Manganese  | 55-2  | 0.06    | 0.05    | 0.04    | 0.05       | 21.80   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:09:33 | DataFile Name :   | 026SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.70     | 0.70     | 0.76     | 0.72       | 5.23    | ppb   |
| Molybdenum | 95-1  | 0.28     | 0.39     | 0.51     | 0.40       | 29.42   | ppb   |
| Molybdenum | 96-1  | 0.38     | 0.45     | 0.57     | 0.47       | 20.55   | ppb   |
| Molybdenum | 97-1  | 0.31     | 0.46     | 0.56     | 0.44       | 27.84   | ppb   |
| Molybdenum | 98-1  | 0.28     | 0.39     | 0.51     | 0.40       | 29.52   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.36     | 0.26     | 0.23     | 0.28       | 24.18   | ppb   |
| Phosphorus | 31-2  | -10.73   | -9.64    | -20.99   | -13.79     |         | ppb   |
| Potassium  | 39-2  | 30.20    | 32.48    | 25.71    | 29.46      | 11.69   | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 1.09     | 0.37     | 0.73     | 0.73       | 49.80   | ppb   |
| Selenium   | 78-2  | 0.32     | 1.12     | -0.31    | 0.38       | 189.36  | ppb   |
| Selenium   | 82-1  | 1.24     | -0.03    | 0.75     | 0.65       | 98.34   | ppb   |
| Silicon    | 28-1  | 885.72   | 883.76   | 890.40   | 886.62     | 0.39    | ppb   |
| Silver     | 109-1 | 0.05     | 0.04     | 0.05     | 0.05       | 11.69   | ppb   |
| Silver     | 107-1 | 0.04     | 0.04     | 0.05     | 0.04       | 7.23    | ppb   |
| Sodium     | 23-2  | 156.58   | 153.74   | 152.68   | 154.34     | 1.31    | ppb   |
| Strontium  | 86-1  | 0.04     | 0.06     | 0.09     | 0.06       | 45.62   | ppb   |
| Strontium  | 88-1  | 0.03     | 0.03     | 0.02     | 0.02       | 9.92    | ppb   |
| Sulfur     | 34-1  | -2160.77 | -2201.37 | -2188.19 | -2183.45   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.00     | 0.01     | 0.02     | 0.01       | 85.52   | ppb   |
| Thallium   | 205-1 | 0.02     | 0.01     | 0.02     | 0.02       | 21.71   | ppb   |
| Tin        | 118-1 | 1633.11  | 1628.02  | 1624.80  | 1628.64    | 0.26    | ppb   |
| Titanium   | 47-1  | 100.74   | 102.81   | 102.55   | 102.03     | 1.10    | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.09     | 0.07     | 0.08     | 0.08       | 17.31   | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | -0.03    | -0.11    | -0.16    | -0.10      |         | ppb   |
| Zirconium  | 90-1  | 0.83     | 0.81     | 0.81     | 0.81       | 1.67    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:09:33 | DataFile Name :   | 026SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.90    | 0.84    | 0.84    | 0.86       | 3.86    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:13:03 | DataFile Name :   | 027SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9.48     | 9.88     | 10.02    | 9.79       | 2.84    | ppb   |
| Antimony   | 121-1 | -0.01    | -0.01    | 0.00     | 0.00       |         | ppb   |
| Arsenic    | 75-2  | 0.03     | 0.04     | 0.05     | 0.04       | 23.44   | ppb   |
| Barium     | 135-1 | 0.62     | 0.58     | 0.59     | 0.60       | 3.60    | ppb   |
| Barium     | 137-1 | 0.63     | 0.63     | 0.60     | 0.62       | 2.58    | ppb   |
| Beryllium  | 9-1   | 0.01     | -0.01    | 0.00     | 0.00       | 922.18  | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 4.89     | 3.83     | 5.55     | 4.76       | 18.19   | ppb   |
| Boron      | 11-1  | 4.92     | 4.78     | 4.75     | 4.81       | 1.85    | ppb   |
| Cadmium    | 106-1 | -1.60    | -1.78    | -1.37    | -1.58      |         | ppb   |
| Cadmium    | 108-1 | 0.01     | 0.09     | 0.01     | 0.04       | 135.29  | ppb   |
| Cadmium    | 111-1 | -0.12    | -0.14    | -0.10    | -0.12      |         | ppb   |
| Calcium    | 43-1  | 66704.68 | 67450.16 | 65502.31 | 66552.38   | 1.48    | ppb   |
| Calcium    | 44-1  | 68675.43 | 69314.93 | 67276.55 | 68422.30   | 1.52    | ppb   |
| Chromium   | 52-2  | -0.07    | -0.06    | -0.08    | -0.07      |         | ppb   |
| Cobalt     | 59-2  | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.09     | 0.06     | 0.07     | 0.07       | 18.47   | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 7.46     | 6.53     | 6.02     | 6.67       | 10.94   | ppb   |
| Iron       | 57-2  | 15.25    | 14.77    | 12.18    | 14.07      | 11.76   | ppb   |
| Lead       | 206-1 | 0.25     | 0.23     | 0.22     | 0.23       | 7.38    | ppb   |
| Lead       | 207-1 | 0.25     | 0.24     | 0.16     | 0.22       | 21.99   | ppb   |
| Lead       | 208-1 | 0.25     | 0.23     | 0.19     | 0.23       | 13.15   | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 7896.34  | 7947.45  | 7904.20  | 7916.00    | 0.35    | ppb   |
| Manganese  | 55-2  | 0.21     | 0.24     | 0.23     | 0.23       | 8.56    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:13:03 | DataFile Name :   | 027SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.04     | 0.02     | 0.04     | 0.03       | 36.46   | ppb   |
| Molybdenum | 95-1  | 0.08     | 0.11     | 0.11     | 0.10       | 16.16   | ppb   |
| Molybdenum | 96-1  | 0.07     | 0.07     | 0.10     | 0.08       | 22.69   | ppb   |
| Molybdenum | 97-1  | 0.07     | 0.09     | 0.13     | 0.10       | 30.57   | ppb   |
| Molybdenum | 98-1  | 0.09     | 0.12     | 0.12     | 0.11       | 14.22   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.10    | -0.12    | -0.13    | -0.12      |         | ppb   |
| Phosphorus | 31-2  | -23.70   | -31.84   | -28.16   | -27.90     |         | ppb   |
| Potassium  | 39-2  | 37450.21 | 37383.19 | 37458.13 | 37430.51   | 0.11    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.30     | 0.00     | 0.61     | 0.30       | 100.10  | ppb   |
| Selenium   | 78-2  | -1.51    | -2.82    | -0.03    | -1.45      |         | ppb   |
| Selenium   | 82-1  | 0.25     | 1.04     | 0.00     | 0.43       | 126.54  | ppb   |
| Silicon    | 28-1  | -63.76   | -61.05   | -63.71   | -62.84     |         | ppb   |
| Silver     | 109-1 | 0.02     | 0.02     | 0.02     | 0.02       | 7.22    | ppb   |
| Silver     | 107-1 | 0.01     | 0.02     | 0.02     | 0.02       | 23.00   | ppb   |
| Sodium     | 23-2  | 77162.70 | 76612.69 | 77567.74 | 77114.38   | 0.62    | ppb   |
| Strontium  | 86-1  | 28.50    | 28.41    | 28.66    | 28.52      | 0.45    | ppb   |
| Strontium  | 88-1  | 28.51    | 28.19    | 28.63    | 28.45      | 0.80    | ppb   |
| Sulfur     | 34-1  | -4095.62 | -3661.34 | -3722.69 | -3826.55   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | -0.01    | -0.01    | 0.00     | 0.00       |         | ppb   |
| Thallium   | 205-1 | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Tin        | 118-1 | 0.20     | 0.20     | 0.21     | 0.20       | 2.68    | ppb   |
| Titanium   | 47-1  | -0.03    | -0.06    | -0.04    | -0.04      |         | ppb   |
| Uranium    | 238-1 | 0.00     | -0.01    | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.02     | 0.02     | 0.01     | 0.02       | 25.42   | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.64     | 0.73     | 0.62     | 0.66       | 8.36    | ppb   |
| Zirconium  | 90-1  | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:13:03 | DataFile Name :   | 027SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.00    | 0.00    | 0.00    | 0.00       | 2274.63 | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:16:33 | DataFile Name :   | 028SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1460.72 | 1423.82 | 1439.41 | 1441.32    | 1.29    | ppb   |
| Antimony   | 121-1 | 141.91  | 142.19  | 143.08  | 142.40     | 0.43    | ppb   |
| Arsenic    | 75-2  | 712.98  | 714.87  | 711.90  | 713.25     | 0.21    | ppb   |
| Barium     | 135-1 | 1572.28 | 1569.67 | 1584.26 | 1575.40    | 0.49    | ppb   |
| Barium     | 137-1 | 1617.36 | 1618.14 | 1617.70 | 1617.73    | 0.02    | ppb   |
| Beryllium  | 9-1   | 295.80  | 299.27  | 301.65  | 298.90     | 0.98    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 975.88  | 994.32  | 998.34  | 989.51     | 1.21    | ppb   |
| Boron      | 11-1  | 974.67  | 998.92  | 995.38  | 989.66     | 1.32    | ppb   |
| Cadmium    | 106-1 | 164.31  | 160.86  | 163.49  | 162.89     | 1.11    | ppb   |
| Cadmium    | 108-1 | 183.38  | 184.56  | 181.43  | 183.12     | 0.86    | ppb   |
| Cadmium    | 111-1 | 198.01  | 196.08  | 200.42  | 198.17     | 1.10    | ppb   |
| Calcium    | 43-1  | 126.95  | 121.44  | 129.30  | 125.90     | 3.21    | ppb   |
| Calcium    | 44-1  | 63.87   | 62.51   | 61.89   | 62.76      | 1.61    | ppb   |
| Chromium   | 52-2  | 239.93  | 239.74  | 240.28  | 239.98     | 0.11    | ppb   |
| Cobalt     | 59-2  | 248.35  | 248.87  | 249.97  | 249.07     | 0.33    | ppb   |
| Copper     | 63-2  | 554.05  | 554.01  | 556.58  | 554.88     | 0.27    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 2413.04 | 2409.02 | 2413.88 | 2411.98    | 0.11    | ppb   |
| Iron       | 57-2  | 2337.30 | 2320.58 | 2349.74 | 2335.88    | 0.63    | ppb   |
| Lead       | 206-1 | 1070.82 | 1068.73 | 1072.75 | 1070.77    | 0.19    | ppb   |
| Lead       | 207-1 | 1028.32 | 1030.94 | 1015.33 | 1024.86    | 0.82    | ppb   |
| Lead       | 208-1 | 1049.51 | 1051.06 | 1040.38 | 1046.99    | 0.55    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.27    | 0.58    | 0.09    | 0.31       | 80.21   | ppb   |
| Manganese  | 55-2  | 1403.44 | 1401.37 | 1414.36 | 1406.39    | 0.50    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:16:33 | DataFile Name :   | 028SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 38.84   | 39.03   | 39.21   | 39.02      | 0.47    | ppb   |
| Molybdenum | 95-1  | 127.73  | 127.28  | 127.70  | 127.57     | 0.19    | ppb   |
| Molybdenum | 96-1  | 106.44  | 106.23  | 105.23  | 105.96     | 0.61    | ppb   |
| Molybdenum | 97-1  | 132.22  | 130.60  | 130.28  | 131.03     | 0.79    | ppb   |
| Molybdenum | 98-1  | 129.44  | 128.90  | 128.55  | 128.96     | 0.35    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 815.83  | 823.31  | 826.26  | 821.80     | 0.65    | ppb   |
| Phosphorus | 31-2  | -13.52  | -6.74   | -6.38   | -8.88      |         | ppb   |
| Potassium  | 39-2  | 5.27    | 4.79    | 7.51    | 5.86       | 24.82   | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 190.40  | 173.14  | 191.83  | 185.12     | 5.62    | ppb   |
| Selenium   | 78-2  | 190.67  | 186.60  | 192.79  | 190.02     | 1.66    | ppb   |
| Selenium   | 82-1  | 186.06  | 187.86  | 185.51  | 186.48     | 0.66    | ppb   |
| Silicon    | 28-1  | 474.70  | 481.46  | 477.38  | 477.84     | 0.71    | ppb   |
| Silver     | 109-1 | 293.05  | 293.31  | 295.46  | 293.94     | 0.45    | ppb   |
| Silver     | 107-1 | 293.91  | 293.79  | 293.04  | 293.58     | 0.16    | ppb   |
| Sodium     | 23-2  | 100.83  | 95.81   | 96.85   | 97.83      | 2.71    | ppb   |
| Strontium  | 86-1  | 311.22  | 310.51  | 314.33  | 312.02     | 0.65    | ppb   |
| Strontium  | 88-1  | 319.26  | 316.50  | 317.68  | 317.81     | 0.44    | ppb   |
| Sulfur     | 34-1  | -102.90 | -268.04 | -538.13 | -303.02    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 113.59  | 113.67  | 112.44  | 113.23     | 0.60    | ppb   |
| Thallium   | 205-1 | 115.08  | 115.01  | 114.17  | 114.75     | 0.44    | ppb   |
| Tin        | 118-1 | 0.34    | 0.45    | 0.54    | 0.44       | 22.62   | ppb   |
| Titanium   | 47-1  | 0.17    | 0.28    | 0.17    | 0.20       | 31.41   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 1722.69 | 1720.34 | 1736.65 | 1726.56    | 0.51    | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 1021.59 | 1016.50 | 1031.80 | 1023.30    | 0.76    | ppb   |
| Zirconium  | 90-1  | 0.44    | 0.46    | 0.45    | 0.45       | 2.73    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:16:33 | DataFile Name :   | 028SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.64    | 0.65    | 0.76    | 0.68       | 9.27    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:20:01 | DataFile Name :   | 029SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 71.56   | 68.81   | 69.84   | 70.07      | 1.98    | ppb   |
| Antimony   | 121-1 | 0.24    | 0.27    | 0.32    | 0.28       | 13.33   | ppb   |
| Arsenic    | 75-2  | 0.77    | 0.89    | 0.93    | 0.87       | 9.50    | ppb   |
| Barium     | 135-1 | 0.21    | 0.21    | 0.17    | 0.20       | 13.66   | ppb   |
| Barium     | 137-1 | 0.17    | 0.22    | 0.16    | 0.18       | 15.74   | ppb   |
| Beryllium  | 9-1   | 0.06    | 0.00    | 0.04    | 0.04       | 82.34   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 142.30  | 138.50  | 136.92  | 139.24     | 1.98    | ppb   |
| Boron      | 11-1  | 138.22  | 140.18  | 137.01  | 138.47     | 1.15    | ppb   |
| Cadmium    | 106-1 | -1.90   | -2.76   | -0.89   | -1.85      |         | ppb   |
| Cadmium    | 108-1 | 0.04    | 0.08    | 0.14    | 0.09       | 59.27   | ppb   |
| Cadmium    | 111-1 | -0.14   | -0.21   | -0.07   | -0.14      |         | ppb   |
| Calcium    | 43-1  | 39.14   | 40.28   | 36.65   | 38.69      | 4.80    | ppb   |
| Calcium    | 44-1  | 34.34   | 34.91   | 34.96   | 34.74      | 0.99    | ppb   |
| Chromium   | 52-2  | 0.05    | 0.03    | 0.04    | 0.04       | 20.21   | ppb   |
| Cobalt     | 59-2  | 0.06    | 0.06    | 0.06    | 0.06       | 0.29    | ppb   |
| Copper     | 63-2  | 0.13    | 0.15    | 0.16    | 0.15       | 9.54    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 37.07   | 37.04   | 37.66   | 37.26      | 0.93    | ppb   |
| Iron       | 57-2  | 40.39   | 33.65   | 38.66   | 37.57      | 9.32    | ppb   |
| Lead       | 206-1 | 0.24    | 0.25    | 0.25    | 0.25       | 2.14    | ppb   |
| Lead       | 207-1 | 0.26    | 0.22    | 0.27    | 0.25       | 9.41    | ppb   |
| Lead       | 208-1 | 0.25    | 0.23    | 0.25    | 0.25       | 4.40    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 38.22   | 36.71   | 38.08   | 37.67      | 2.21    | ppb   |
| Manganese  | 55-2  | 0.07    | 0.05    | 0.05    | 0.06       | 24.48   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:20:01 | DataFile Name :   | 029SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.79     | 0.89     | 0.86     | 0.84       | 6.20    | ppb   |
| Molybdenum | 95-1  | 0.92     | 1.02     | 1.12     | 1.02       | 9.93    | ppb   |
| Molybdenum | 96-1  | 0.95     | 0.97     | 1.11     | 1.01       | 8.79    | ppb   |
| Molybdenum | 97-1  | 0.96     | 1.08     | 1.17     | 1.07       | 9.60    | ppb   |
| Molybdenum | 98-1  | 0.91     | 1.03     | 1.18     | 1.04       | 13.02   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.24     | 0.23     | 0.23     | 0.23       | 1.75    | ppb   |
| Phosphorus | 31-2  | 22.39    | 18.62    | 48.48    | 29.83      | 54.51   | ppb   |
| Potassium  | 39-2  | 70.43    | 64.51    | 70.69    | 68.54      | 5.10    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.73     | 0.73     | 0.73     | 0.73       | 0.36    | ppb   |
| Selenium   | 78-2  | -0.60    | 0.30     | 0.51     | 0.07       | 795.08  | ppb   |
| Selenium   | 82-1  | 1.13     | 1.23     | 0.40     | 0.92       | 49.12   | ppb   |
| Silicon    | 28-1  | 883.48   | 890.11   | 887.75   | 887.11     | 0.38    | ppb   |
| Silver     | 109-1 | 0.05     | 0.05     | 0.04     | 0.05       | 15.90   | ppb   |
| Silver     | 107-1 | 0.05     | 0.05     | 0.04     | 0.05       | 9.03    | ppb   |
| Sodium     | 23-2  | 198.63   | 195.62   | 197.73   | 197.33     | 0.78    | ppb   |
| Strontium  | 86-1  | 0.06     | 0.08     | 0.00     | 0.05       | 80.33   | ppb   |
| Strontium  | 88-1  | 0.05     | 0.04     | 0.05     | 0.04       | 13.04   | ppb   |
| Sulfur     | 34-1  | -1428.94 | -1325.10 | -1576.59 | -1443.54   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.03     | 0.02     | 0.01     | 0.02       | 48.26   | ppb   |
| Thallium   | 205-1 | 0.03     | 0.02     | 0.01     | 0.02       | 38.89   | ppb   |
| Tin        | 118-1 | 1619.03  | 1618.76  | 1636.81  | 1624.87    | 0.64    | ppb   |
| Titanium   | 47-1  | 102.45   | 104.10   | 103.06   | 103.21     | 0.81    | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.07     | 0.08     | 0.07     | 0.08       | 8.76    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | -0.11    | 0.03     | -0.03    | -0.03      |         | ppb   |
| Zirconium  | 90-1  | 0.78     | 0.77     | 0.74     | 0.76       | 2.39    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:20:01 | DataFile Name :   | 029SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.74    | 0.80    | 0.78    | 0.77       | 4.07    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:23:32 | DataFile Name :   | 030SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | -0.23    | 0.04     | 0.04     | -0.05      |         | ppb   |
| Antimony   | 121-1 | -0.02    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Arsenic    | 75-2  | 0.07     | 0.02     | 0.03     | 0.04       | 64.17   | ppb   |
| Barium     | 135-1 | 0.57     | 0.59     | 0.62     | 0.59       | 3.97    | ppb   |
| Barium     | 137-1 | 0.62     | 0.63     | 0.65     | 0.64       | 2.26    | ppb   |
| Beryllium  | 9-1   | 0.01     | 0.04     | -0.01    | 0.01       | 183.85  | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 5.34     | 6.21     | 5.25     | 5.60       | 9.45    | ppb   |
| Boron      | 11-1  | 5.85     | 5.86     | 5.16     | 5.62       | 7.15    | ppb   |
| Cadmium    | 106-1 | -1.46    | -0.96    | -2.11    | -1.51      |         | ppb   |
| Cadmium    | 108-1 | -0.03    | -0.04    | 0.01     | -0.02      |         | ppb   |
| Cadmium    | 111-1 | -0.11    | -0.06    | -0.17    | -0.11      |         | ppb   |
| Calcium    | 43-1  | 66874.27 | 66122.70 | 66766.00 | 66587.66   | 0.61    | ppb   |
| Calcium    | 44-1  | 69171.61 | 67624.27 | 68749.67 | 68515.18   | 1.17    | ppb   |
| Chromium   | 52-2  | -0.07    | -0.07    | -0.08    | -0.07      |         | ppb   |
| Cobalt     | 59-2  | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.07     | 0.07     | 0.09     | 0.08       | 13.28   | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | -0.06    | -0.10    | 0.03     | -0.04      |         | ppb   |
| Iron       | 57-2  | 8.42     | 7.57     | 5.45     | 7.15       | 21.37   | ppb   |
| Lead       | 206-1 | 0.22     | 0.17     | 0.16     | 0.18       | 16.46   | ppb   |
| Lead       | 207-1 | 0.19     | 0.17     | 0.15     | 0.17       | 12.27   | ppb   |
| Lead       | 208-1 | 0.20     | 0.17     | 0.15     | 0.17       | 14.92   | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 7993.43  | 7900.17  | 7897.24  | 7930.28    | 0.69    | ppb   |
| Manganese  | 55-2  | 0.24     | 0.21     | 0.21     | 0.22       | 8.00    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:23:32 | DataFile Name :   | 030SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.02     | 0.03     | 0.02     | 0.02       | 21.14   | ppb   |
| Molybdenum | 95-1  | 0.06     | 0.06     | 0.11     | 0.08       | 37.10   | ppb   |
| Molybdenum | 96-1  | 0.05     | 0.08     | 0.07     | 0.07       | 18.47   | ppb   |
| Molybdenum | 97-1  | 0.07     | 0.10     | 0.10     | 0.09       | 21.49   | ppb   |
| Molybdenum | 98-1  | 0.07     | 0.09     | 0.08     | 0.08       | 10.86   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.13    | -0.11    | -0.11    | -0.11      |         | ppb   |
| Phosphorus | 31-2  | -25.42   | -24.73   | -20.08   | -23.41     |         | ppb   |
| Potassium  | 39-2  | 37651.72 | 37563.15 | 37499.42 | 37571.43   | 0.20    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 0.30     | 0.30     | 0.20       | 86.60   | ppb   |
| Selenium   | 78-2  | -2.07    | -2.04    | -0.75    | -1.62      |         | ppb   |
| Selenium   | 82-1  | 0.00     | 0.15     | 0.99     | 0.38       | 141.71  | ppb   |
| Silicon    | 28-1  | -65.07   | -64.16   | -61.16   | -63.46     |         | ppb   |
| Silver     | 109-1 | 0.02     | 0.02     | 0.03     | 0.02       | 13.69   | ppb   |
| Silver     | 107-1 | 0.02     | 0.02     | 0.01     | 0.02       | 16.42   | ppb   |
| Sodium     | 23-2  | 78122.51 | 77694.38 | 77360.13 | 77725.67   | 0.49    | ppb   |
| Strontium  | 86-1  | 29.09    | 28.22    | 28.34    | 28.55      | 1.64    | ppb   |
| Strontium  | 88-1  | 28.77    | 28.34    | 28.32    | 28.47      | 0.91    | ppb   |
| Sulfur     | 34-1  | -4090.46 | -3697.01 | -3525.95 | -3771.14   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | -0.01    | 0.00     | -0.01    | -0.01      |         | ppb   |
| Thallium   | 205-1 | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Tin        | 118-1 | 0.17     | 0.16     | 0.16     | 0.16       | 5.16    | ppb   |
| Titanium   | 47-1  | -0.03    | -0.06    | -0.05    | -0.05      |         | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.02     | 0.02     | 0.02     | 0.02       | 20.68   | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.60     | 0.57     | 0.55     | 0.57       | 3.85    | ppb   |
| Zirconium  | 90-1  | -0.01    | 0.00     | -0.01    | -0.01      |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:23:32 | DataFile Name :   | 030SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:27:01 | DataFile Name :   | 031SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | -0.13    | 0.49     | 0.10     | 0.15       | 203.49  | ppb   |
| Antimony   | 121-1 | 0.02     | 0.02     | 0.01     | 0.02       | 27.17   | ppb   |
| Arsenic    | 75-2  | 0.15     | 0.12     | 0.19     | 0.15       | 24.98   | ppb   |
| Barium     | 135-1 | 0.30     | 0.29     | 0.29     | 0.29       | 2.42    | ppb   |
| Barium     | 137-1 | 0.31     | 0.28     | 0.27     | 0.29       | 7.44    | ppb   |
| Beryllium  | 9-1   | 0.01     | 0.02     | 0.06     | 0.03       | 83.46   | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 7.56     | 6.98     | 5.80     | 6.78       | 13.26   | ppb   |
| Boron      | 11-1  | 6.62     | 6.69     | 6.81     | 6.71       | 1.45    | ppb   |
| Cadmium    | 106-1 | -1.06    | -0.70    | -1.65    | -1.14      |         | ppb   |
| Cadmium    | 108-1 | 0.00     | 0.02     | -0.02    | 0.00       |         | ppb   |
| Cadmium    | 111-1 | -0.08    | -0.05    | -0.12    | -0.09      |         | ppb   |
| Calcium    | 43-1  | 33215.26 | 33235.31 | 32711.40 | 33053.99   | 0.90    | ppb   |
| Calcium    | 44-1  | 34364.72 | 34672.68 | 34092.69 | 34376.70   | 0.84    | ppb   |
| Chromium   | 52-2  | -0.02    | -0.07    | -0.05    | -0.05      |         | ppb   |
| Cobalt     | 59-2  | -0.01    | 0.00     | -0.01    | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.09     | 0.08     | 0.07     | 0.08       | 16.20   | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 0.56     | 0.39     | 0.51     | 0.49       | 18.22   | ppb   |
| Iron       | 57-2  | 3.78     | 2.92     | 3.74     | 3.48       | 13.98   | ppb   |
| Lead       | 206-1 | 0.27     | 0.26     | 0.28     | 0.27       | 4.25    | ppb   |
| Lead       | 207-1 | 0.20     | 0.26     | 0.24     | 0.23       | 12.44   | ppb   |
| Lead       | 208-1 | 0.23     | 0.26     | 0.25     | 0.25       | 5.39    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 3960.09  | 3980.10  | 3939.50  | 3959.90    | 0.51    | ppb   |
| Manganese  | 55-2  | 0.09     | 0.12     | 0.13     | 0.11       | 15.83   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:27:01 | DataFile Name :   | 031SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.02     | 0.04     | 0.04     | 0.03       | 24.88   | ppb   |
| Molybdenum | 95-1  | 0.06     | 0.10     | 0.12     | 0.09       | 33.54   | ppb   |
| Molybdenum | 96-1  | 0.08     | 0.08     | 0.13     | 0.10       | 33.57   | ppb   |
| Molybdenum | 97-1  | 0.10     | 0.11     | 0.13     | 0.11       | 12.46   | ppb   |
| Molybdenum | 98-1  | 0.06     | 0.10     | 0.15     | 0.10       | 45.43   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.11    | -0.14    | -0.11    | -0.12      |         | ppb   |
| Phosphorus | 31-2  | -26.71   | -25.30   | -16.35   | -22.78     |         | ppb   |
| Potassium  | 39-2  | 18826.51 | 18888.98 | 18707.57 | 18807.69   | 0.49    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 0.69     | 0.34     | 0.35       | 100.20  | ppb   |
| Selenium   | 78-2  | 0.60     | -2.14    | -0.61    | -0.72      |         | ppb   |
| Selenium   | 82-1  | 2.18     | 0.79     | 1.65     | 1.54       | 45.54   | ppb   |
| Silicon    | 28-1  | -35.18   | -35.23   | -37.37   | -35.93     |         | ppb   |
| Silver     | 109-1 | 0.01     | 0.01     | 0.00     | 0.01       | 59.80   | ppb   |
| Silver     | 107-1 | 0.02     | 0.01     | 0.01     | 0.01       | 18.79   | ppb   |
| Sodium     | 23-2  | 38861.90 | 38973.54 | 39321.19 | 39052.21   | 0.61    | ppb   |
| Strontium  | 86-1  | 14.29    | 14.55    | 13.92    | 14.25      | 2.23    | ppb   |
| Strontium  | 88-1  | 14.14    | 14.09    | 14.07    | 14.10      | 0.27    | ppb   |
| Sulfur     | 34-1  | -396.28  | -341.86  | -497.92  | -412.02    |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | -0.01    | -0.02    | -0.01    | -0.01      |         | ppb   |
| Thallium   | 205-1 | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Tin        | 118-1 | 0.23     | 0.28     | 0.34     | 0.28       | 19.93   | ppb   |
| Titanium   | 47-1  | 0.00     | -0.01    | -0.04    | -0.02      |         | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.00     | 0.01     | 0.01       | 90.66   | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.47     | 0.31     | 0.38     | 0.39       | 20.68   | ppb   |
| Zirconium  | 90-1  | -0.01    | 0.00     | 0.00     | 0.00       |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:27:01 | DataFile Name :   | 031SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.00    | 0.01    | 0.00    | 0.00       | 155.41  | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:30:31 | DataFile Name :   | 032SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 0.10     | 0.18     | 0.10     | 0.13       | 36.25   | ppb   |
| Antimony   | 121-1 | 0.01     | 0.00     | 0.01     | 0.01       | 95.44   | ppb   |
| Arsenic    | 75-2  | 0.08     | 0.06     | 0.11     | 0.08       | 27.15   | ppb   |
| Barium     | 135-1 | 0.35     | 0.33     | 0.26     | 0.32       | 14.99   | ppb   |
| Barium     | 137-1 | 0.32     | 0.30     | 0.27     | 0.30       | 8.49    | ppb   |
| Beryllium  | 9-1   | 0.02     | 0.00     | 0.00     | 0.00       | 237.10  | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 4.28     | 5.16     | 4.91     | 4.79       | 9.48    | ppb   |
| Boron      | 11-1  | 4.89     | 5.18     | 4.32     | 4.80       | 9.12    | ppb   |
| Cadmium    | 106-1 | -0.75    | -0.02    | -1.39    | -0.72      |         | ppb   |
| Cadmium    | 108-1 | 0.00     | -0.02    | 0.00     | -0.01      |         | ppb   |
| Cadmium    | 111-1 | -0.06    | 0.00     | -0.11    | -0.06      |         | ppb   |
| Calcium    | 43-1  | 32986.84 | 33235.18 | 33462.28 | 33228.10   | 0.72    | ppb   |
| Calcium    | 44-1  | 34066.48 | 34418.79 | 34618.69 | 34367.99   | 0.81    | ppb   |
| Chromium   | 52-2  | -0.05    | -0.04    | -0.07    | -0.05      |         | ppb   |
| Cobalt     | 59-2  | -0.01    | -0.02    | -0.01    | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.09     | 0.09     | 0.06     | 0.08       | 19.40   | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 0.44     | 0.35     | 0.42     | 0.40       | 12.48   | ppb   |
| Iron       | 57-2  | 3.54     | 4.16     | 4.34     | 4.02       | 10.40   | ppb   |
| Lead       | 206-1 | 0.10     | 0.14     | 0.18     | 0.14       | 26.47   | ppb   |
| Lead       | 207-1 | 0.13     | 0.15     | 0.17     | 0.15       | 13.28   | ppb   |
| Lead       | 208-1 | 0.12     | 0.15     | 0.18     | 0.15       | 17.70   | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 3954.84  | 3952.89  | 3981.39  | 3963.04    | 0.40    | ppb   |
| Manganese  | 55-2  | 0.11     | 0.13     | 0.11     | 0.11       | 8.77    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:30:31 | DataFile Name :   | 032SMPL_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.01     | 0.03     | 0.02     | 0.02       | 27.14   | ppb   |
| Molybdenum | 95-1  | 0.05     | 0.07     | 0.09     | 0.07       | 33.17   | ppb   |
| Molybdenum | 96-1  | 0.04     | 0.06     | 0.06     | 0.05       | 24.29   | ppb   |
| Molybdenum | 97-1  | 0.05     | 0.08     | 0.10     | 0.08       | 36.66   | ppb   |
| Molybdenum | 98-1  | 0.05     | 0.07     | 0.09     | 0.07       | 28.28   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.10    | -0.13    | -0.12    | -0.12      |         | ppb   |
| Phosphorus | 31-2  | -1.79    | -10.90   | -26.94   | -13.21     |         | ppb   |
| Potassium  | 39-2  | 18617.12 | 18809.55 | 18726.51 | 18717.73   | 0.52    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.35     | 0.00     | 0.35     | 0.23       | 86.60   | ppb   |
| Selenium   | 78-2  | -1.24    | -0.80    | -1.05    | -1.03      |         | ppb   |
| Selenium   | 82-1  | -0.11    | 1.21     | 0.64     | 0.58       | 113.48  | ppb   |
| Silicon    | 28-1  | -35.08   | -36.20   | -32.05   | -34.44     |         | ppb   |
| Silver     | 109-1 | 0.01     | 0.01     | 0.01     | 0.01       | 17.73   | ppb   |
| Silver     | 107-1 | 0.01     | 0.01     | 0.01     | 0.01       | 21.57   | ppb   |
| Sodium     | 23-2  | 38890.47 | 38721.02 | 38720.70 | 38777.40   | 0.25    | ppb   |
| Strontium  | 86-1  | 14.01    | 14.46    | 14.21    | 14.23      | 1.58    | ppb   |
| Strontium  | 88-1  | 14.27    | 14.25    | 14.07    | 14.19      | 0.78    | ppb   |
| Sulfur     | 34-1  | -95.65   | -194.94  | 26.17    | -88.14     |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Thallium   | 205-1 | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Tin        | 118-1 | 0.08     | 0.15     | 0.17     | 0.14       | 33.63   | ppb   |
| Titanium   | 47-1  | -0.03    | -0.01    | -0.04    | -0.03      |         | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.41     | 0.40     | 0.18     | 0.33       | 39.64   | ppb   |
| Zirconium  | 90-1  | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:30:31 | DataFile Name :   | 032SMPL_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.00    | 0.01    | -0.01   | 0.00       | 357.16  | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV49               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV49               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:34:00 | DataFile Name :   | 033CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9674.57  | 9614.95  | 9606.38  | 9631.96    | 0.39    | ppb   |
| Antimony   | 121-1 | 480.99   | 475.33   | 466.95   | 474.42     | 1.49    | ppb   |
| Arsenic    | 75-2  | 502.34   | 502.40   | 503.20   | 502.65     | 0.10    | ppb   |
| Barium     | 135-1 | 2542.37  | 2526.52  | 2520.50  | 2529.80    | 0.45    | ppb   |
| Barium     | 137-1 | 2530.54  | 2499.07  | 2502.01  | 2510.54    | 0.69    | ppb   |
| Beryllium  | 9-1   | 496.60   | 496.71   | 496.56   | 496.62     | 0.02    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 498.46   | 486.16   | 501.47   | 495.36     | 1.64    | ppb   |
| Boron      | 11-1  | 492.88   | 496.17   | 501.37   | 496.81     | 0.86    | ppb   |
| Cadmium    | 106-1 | 507.01   | 505.12   | 500.05   | 504.06     | 0.71    | ppb   |
| Cadmium    | 108-1 | 508.18   | 511.32   | 503.55   | 507.68     | 0.77    | ppb   |
| Cadmium    | 111-1 | 506.90   | 504.14   | 504.25   | 505.10     | 0.31    | ppb   |
| Calcium    | 43-1  | 48440.80 | 48699.69 | 48871.88 | 48670.79   | 0.45    | ppb   |
| Calcium    | 44-1  | 49486.62 | 49548.14 | 49888.90 | 49641.22   | 0.44    | ppb   |
| Chromium   | 52-2  | 505.49   | 501.10   | 501.44   | 502.68     | 0.49    | ppb   |
| Cobalt     | 59-2  | 499.02   | 498.50   | 497.61   | 498.38     | 0.14    | ppb   |
| Copper     | 63-2  | 992.77   | 983.16   | 988.86   | 988.26     | 0.49    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 25663.35 | 25403.13 | 25396.86 | 25487.78   | 0.60    | ppb   |
| Iron       | 57-2  | 24335.01 | 24219.31 | 24309.32 | 24287.88   | 0.25    | ppb   |
| Lead       | 206-1 | 498.93   | 504.38   | 506.59   | 503.30     | 0.78    | ppb   |
| Lead       | 207-1 | 492.55   | 494.08   | 499.53   | 495.39     | 0.74    | ppb   |
| Lead       | 208-1 | 504.58   | 500.29   | 506.15   | 503.67     | 0.60    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 52399.36 | 51614.91 | 51608.51 | 51874.26   | 0.88    | ppb   |
| Manganese  | 55-2  | 1012.56  | 1003.80  | 1008.37  | 1008.24    | 0.43    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV49               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV49               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:34:00 | DataFile Name :   | 033CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 482.17   | 484.15   | 485.87   | 484.06     | 0.38    | ppb   |
| Molybdenum | 95-1  | 484.64   | 478.59   | 482.67   | 481.96     | 0.64    | ppb   |
| Molybdenum | 96-1  | 485.84   | 482.95   | 482.89   | 483.89     | 0.35    | ppb   |
| Molybdenum | 97-1  | 493.98   | 493.14   | 494.63   | 493.92     | 0.15    | ppb   |
| Molybdenum | 98-1  | 487.63   | 489.90   | 487.02   | 488.18     | 0.31    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 507.85   | 506.45   | 507.86   | 507.39     | 0.16    | ppb   |
| Phosphorus | 31-2  | 10172.34 | 10068.74 | 9980.52  | 10073.86   | 0.95    | ppb   |
| Potassium  | 39-2  | 25694.23 | 25237.83 | 25496.28 | 25476.11   | 0.90    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 509.82   | 512.57   | 507.73   | 510.04     | 0.48    | ppb   |
| Selenium   | 78-2  | 507.52   | 511.80   | 501.33   | 506.88     | 1.04    | ppb   |
| Selenium   | 82-1  | 498.90   | 495.62   | 497.86   | 497.46     | 0.34    | ppb   |
| Silicon    | 28-1  | 475.18   | 485.11   | 493.03   | 484.44     | 1.85    | ppb   |
| Silver     | 109-1 | 515.93   | 511.09   | 513.54   | 513.52     | 0.47    | ppb   |
| Silver     | 107-1 | 523.96   | 509.04   | 509.87   | 514.29     | 1.63    | ppb   |
| Sodium     | 23-2  | 51350.33 | 51465.06 | 51100.85 | 51305.41   | 0.36    | ppb   |
| Strontium  | 86-1  | 495.19   | 497.08   | 498.99   | 497.09     | 0.38    | ppb   |
| Strontium  | 88-1  | 498.65   | 504.90   | 505.75   | 503.10     | 0.77    | ppb   |
| Sulfur     | 34-1  | 10191.04 | 10356.29 | 10305.51 | 10284.28   | 0.82    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 488.99   | 495.86   | 498.02   | 494.29     | 0.95    | ppb   |
| Thallium   | 205-1 | 502.29   | 509.40   | 512.01   | 507.90     | 0.99    | ppb   |
| Tin        | 118-1 | 484.95   | 483.29   | 482.51   | 483.58     | 0.26    | ppb   |
| Titanium   | 47-1  | 498.57   | 500.94   | 497.94   | 499.15     | 0.32    | ppb   |
| Uranium    | 238-1 | 486.10   | 494.27   | 490.10   | 490.16     | 0.83    | ppb   |
| Vanadium   | 51-2  | 503.45   | 501.66   | 503.01   | 502.71     | 0.18    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1016.81  | 1019.77  | 1016.65  | 1017.74    | 0.17    | ppb   |
| Zirconium  | 90-1  | 498.89   | 498.18   | 499.97   | 499.01     | 0.18    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV49               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV49               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:34:00 | DataFile Name :   | 033CCV_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 491.26  | 495.76  | 499.63  | 495.55     | 0.85    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB49               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB49               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:44:51 | DataFile Name :   | 034CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.06    | -0.19   | 0.06    | -0.02      |         | ppb   |
| Antimony   | 121-1 | 1.06    | 1.41    | 1.63    | 1.37       | 20.88   | ppb   |
| Arsenic    | 75-2  | 0.21    | 0.22    | 0.22    | 0.22       | 4.23    | ppb   |
| Barium     | 135-1 | -0.02   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Barium     | 137-1 | 0.00    | 0.01    | 0.00    | 0.00       | 655.64  | ppb   |
| Beryllium  | 9-1   | 0.03    | 0.02    | 0.00    | 0.02       | 80.70   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 3.03    | 2.65    | 3.40    | 3.03       | 12.48   | ppb   |
| Boron      | 11-1  | 3.28    | 3.25    | 3.20    | 3.24       | 1.22    | ppb   |
| Cadmium    | 106-1 | -2.57   | -0.09   | -2.19   | -1.62      |         | ppb   |
| Cadmium    | 108-1 | -0.04   | 0.04    | 0.08    | 0.03       | 235.76  | ppb   |
| Cadmium    | 111-1 | -0.19   | -0.01   | -0.17   | -0.13      |         | ppb   |
| Calcium    | 43-1  | -0.87   | -3.35   | -0.50   | -1.57      |         | ppb   |
| Calcium    | 44-1  | -5.91   | -5.79   | -5.38   | -5.69      |         | ppb   |
| Chromium   | 52-2  | 0.01    | 0.05    | 0.00    | 0.02       | 139.66  | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.00    | 0.02    | 0.02    | 0.01       | 118.35  | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.29    | 0.25    | 0.27    | 0.27       | 7.23    | ppb   |
| Iron       | 57-2  | 0.21    | -0.01   | 0.28    | 0.16       | 96.81   | ppb   |
| Lead       | 206-1 | 0.00    | 0.01    | 0.00    | 0.01       | 71.92   | ppb   |
| Lead       | 207-1 | 0.03    | 0.00    | 0.00    | 0.01       | 198.77  | ppb   |
| Lead       | 208-1 | 0.01    | 0.01    | 0.00    | 0.01       | 80.37   | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.46    | 0.09    | 0.42    | 0.32       | 62.64   | ppb   |
| Manganese  | 55-2  | -0.01   | -0.02   | -0.02   | -0.01      |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB49               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB49               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:44:51 | DataFile Name :   | 034CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.05    | 0.08    | 0.11    | 0.08       | 37.95   | ppb   |
| Molybdenum | 95-1  | 0.19    | 0.23    | 0.26    | 0.22       | 16.15   | ppb   |
| Molybdenum | 96-1  | 0.14    | 0.20    | 0.20    | 0.18       | 18.45   | ppb   |
| Molybdenum | 97-1  | 0.19    | 0.23    | 0.26    | 0.23       | 15.06   | ppb   |
| Molybdenum | 98-1  | 0.17    | 0.24    | 0.30    | 0.24       | 28.33   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.15   | -0.14   | -0.13   | -0.14      |         | ppb   |
| Phosphorus | 31-2  | -3.09   | -13.33  | -21.74  | -12.72     |         | ppb   |
| Potassium  | 39-2  | 3.69    | 5.67    | 12.01   | 7.12       | 61.04   | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.37    | 0.37    | 0.24       | 86.60   | ppb   |
| Selenium   | 78-2  | -1.03   | -1.37   | -1.27   | -1.22      |         | ppb   |
| Selenium   | 82-1  | 1.00    | 0.06    | 0.91    | 0.66       | 78.60   | ppb   |
| Silicon    | 28-1  | -18.76  | -20.07  | -21.25  | -20.03     |         | ppb   |
| Silver     | 109-1 | 0.01    | 0.01    | 0.01    | 0.01       | 19.21   | ppb   |
| Silver     | 107-1 | 0.01    | 0.01    | 0.01    | 0.01       | 29.10   | ppb   |
| Sodium     | 23-2  | 29.38   | 27.51   | 28.18   | 28.35      | 3.34    | ppb   |
| Strontium  | 86-1  | 0.08    | 0.03    | -0.06   | 0.02       | 435.77  | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 105.54  | ppb   |
| Sulfur     | 34-1  | -507.28 | -605.22 | -791.69 | -634.73    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.01    | 0.03    | 0.01    | 0.02       | 60.74   | ppb   |
| Thallium   | 205-1 | 0.01    | 0.02    | 0.01    | 0.01       | 23.52   | ppb   |
| Tin        | 118-1 | 0.12    | 0.13    | 0.20    | 0.15       | 28.81   | ppb   |
| Titanium   | 47-1  | 0.01    | -0.02   | -0.03   | -0.01      |         | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 1451.26 | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | -0.09   | -0.06   | -0.06   | -0.07      |         | ppb   |
| Zirconium  | 90-1  | 0.02    | 0.02    | 0.04    | 0.03       | 45.86   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB49               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB49               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:44:51 | DataFile Name :   | 034CCBE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.02    | 0.03    | 0.04    | 0.03       | 26.94   | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97638BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97638BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:48:22 | DataFile Name :   | 035CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.47    | 0.22    | -0.03   | 0.22       | 114.80  | ppb   |
| Antimony   | 121-1 | 0.31    | 0.34    | 0.39    | 0.35       | 11.56   | ppb   |
| Arsenic    | 75-2  | 0.13    | 0.13    | 0.08    | 0.11       | 25.87   | ppb   |
| Barium     | 135-1 | -0.02   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Barium     | 137-1 | -0.01   | 0.00    | 0.00    | 0.00       |         | ppb   |
| Beryllium  | 9-1   | 0.01    | 0.01    | 0.05    | 0.02       | 82.88   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 2.52    | 2.67    | 2.61    | 2.60       | 2.91    | ppb   |
| Boron      | 11-1  | 2.66    | 2.71    | 2.62    | 2.66       | 1.62    | ppb   |
| Cadmium    | 106-1 | -1.84   | -0.64   | -1.43   | -1.30      |         | ppb   |
| Cadmium    | 108-1 | 0.04    | 0.04    | 0.00    | 0.03       | 87.48   | ppb   |
| Cadmium    | 111-1 | -0.14   | -0.06   | -0.11   | -0.10      |         | ppb   |
| Calcium    | 43-1  | -0.97   | -3.11   | 4.40    | 0.11       | 3649.68 | ppb   |
| Calcium    | 44-1  | -5.03   | -5.81   | -6.07   | -5.64      |         | ppb   |
| Chromium   | 52-2  | 0.02    | -0.01   | 0.01    | 0.01       | 274.00  | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.02    | 0.01    | 0.02    | 0.01       | 50.29   | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.16    | 0.19    | 0.32    | 0.22       | 38.26   | ppb   |
| Iron       | 57-2  | 0.85    | 0.48    | 0.24    | 0.52       | 58.50   | ppb   |
| Lead       | 206-1 | 0.01    | -0.01   | 0.00    | 0.00       | 517.42  | ppb   |
| Lead       | 207-1 | 0.01    | 0.02    | -0.01   | 0.00       | 366.31  | ppb   |
| Lead       | 208-1 | 0.01    | 0.00    | -0.01   | 0.00       | 581.14  | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.09    | 0.01    | 1.03    | 0.38       | 149.17  | ppb   |
| Manganese  | 55-2  | -0.01   | -0.01   | -0.02   | -0.01      |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97638BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97638BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:48:22 | DataFile Name :   | 035CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.02    | 0.05    | 0.05    | 0.04       | 35.14   | ppb   |
| Molybdenum | 95-1  | 0.07    | 0.10    | 0.14    | 0.10       | 37.03   | ppb   |
| Molybdenum | 96-1  | 0.05    | 0.10    | 0.11    | 0.09       | 36.01   | ppb   |
| Molybdenum | 97-1  | 0.10    | 0.14    | 0.16    | 0.13       | 21.55   | ppb   |
| Molybdenum | 98-1  | 0.07    | 0.10    | 0.14    | 0.10       | 35.12   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.13   | -0.11   | -0.13   | -0.12      |         | ppb   |
| Phosphorus | 31-2  | -21.74  | 9.06    | -23.77  | -12.15     |         | ppb   |
| Potassium  | 39-2  | 6.70    | 6.12    | 4.44    | 5.75       | 20.40   | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.37    | 0.73    | 0.00    | 0.36       | 99.78   | ppb   |
| Selenium   | 78-2  | -1.70   | 0.81    | -1.57   | -0.82      |         | ppb   |
| Selenium   | 82-1  | 0.59    | 0.77    | 1.16    | 0.84       | 34.42   | ppb   |
| Silicon    | 28-1  | -18.93  | -19.97  | -17.32  | -18.74     |         | ppb   |
| Silver     | 109-1 | 0.00    | 0.01    | 0.01    | 0.01       | 32.95   | ppb   |
| Silver     | 107-1 | 0.01    | 0.01    | 0.01    | 0.01       | 15.15   | ppb   |
| Sodium     | 23-2  | 25.87   | 26.39   | 26.14   | 26.13      | 1.01    | ppb   |
| Strontium  | 86-1  | 0.04    | 0.08    | 0.05    | 0.05       | 34.69   | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 88.86   | ppb   |
| Sulfur     | 34-1  | -444.46 | -596.20 | -416.83 | -485.83    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.01    | 0.00    | 0.00    | 0.00       | 186.71  | ppb   |
| Thallium   | 205-1 | 0.01    | 0.00    | 0.00    | 0.00       | 64.82   | ppb   |
| Tin        | 118-1 | 0.08    | 0.11    | 0.14    | 0.11       | 29.28   | ppb   |
| Titanium   | 47-1  | 0.02    | 0.00    | 0.07    | 0.03       | 124.83  | ppb   |
| Uranium    | 238-1 | 0.00    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.01    | -0.07   | -0.14   | -0.06      |         | ppb   |
| Zirconium  | 90-1  | 0.01    | 0.02    | 0.02    | 0.01       | 57.36   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97638BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97638BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:48:22 | DataFile Name :   | 035CCBE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.00    | 0.02    | 0.03    | 0.02       | 77.56   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97639BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97639BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:51:52 | DataFile Name :   | 036CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD  | Units |
|------------|-------|---------|---------|---------|------------|----------|-------|
| Aluminium  | 27-2  | 0.22    | -0.03   | -0.19   | 0.00       | 11914.74 | ppb   |
| Antimony   | 121-1 | 0.13    | 0.18    | 0.18    | 0.16       | 18.29    | ppb   |
| Arsenic    | 75-2  | 0.10    | 0.05    | 0.10    | 0.08       | 30.87    | ppb   |
| Barium     | 135-1 | -0.02   | -0.01   | -0.01   | -0.01      |          | ppb   |
| Barium     | 137-1 | 0.00    | -0.01   | -0.01   | 0.00       |          | ppb   |
| Beryllium  | 9-1   | 0.04    | 0.02    | 0.00    | 0.02       | 88.32    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |          | %     |
| Bismuth    | 209-2 |         |         |         |            |          | %     |
| Boron      | 10-1  | 2.32    | 2.62    | 1.91    | 2.28       | 15.61    | ppb   |
| Boron      | 11-1  | 1.95    | 2.07    | 2.14    | 2.06       | 4.63     | ppb   |
| Cadmium    | 106-1 | -1.35   | -1.76   | -1.34   | -1.49      |          | ppb   |
| Cadmium    | 108-1 | 0.08    | -0.02   | 0.02    | 0.03       | 197.93   | ppb   |
| Cadmium    | 111-1 | -0.10   | -0.14   | -0.10   | -0.12      |          | ppb   |
| Calcium    | 43-1  | 1.69    | 0.05    | -1.98   | -0.08      |          | ppb   |
| Calcium    | 44-1  | -4.54   | -4.64   | -5.90   | -5.03      |          | ppb   |
| Chromium   | 52-2  | 0.01    | 0.01    | -0.01   | 0.00       | 215.15   | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |          | ppb   |
| Copper     | 63-2  | -0.01   | 0.01    | 0.00    | 0.00       |          | ppb   |
| Dysprosium | 156-2 |         |         |         |            |          | cps   |
| Dysprosium | 156-1 |         |         |         |            |          | cps   |
| Erbium     | 164-1 |         |         |         |            |          | cps   |
| Erbium     | 164-2 |         |         |         |            |          | cps   |
| Gadolinium | 160-2 |         |         |         |            |          | cps   |
| Gadolinium | 160-1 |         |         |         |            |          | cps   |
| Holmium    | 165-2 |         |         |         |            |          | %     |
| Holmium    | 165-1 |         |         |         |            |          | %     |
| Indium     | 115-1 |         |         |         |            |          | %     |
| Indium     | 115-2 |         |         |         |            |          | %     |
| Iron       | 56-2  | 0.19    | 0.18    | 0.11    | 0.16       | 26.11    | ppb   |
| Iron       | 57-2  | -0.30   | -0.59   | -0.45   | -0.44      |          | ppb   |
| Lead       | 206-1 | 0.01    | 0.00    | 0.01    | 0.01       | 39.63    | ppb   |
| Lead       | 207-1 | 0.03    | 0.00    | 0.03    | 0.02       | 98.60    | ppb   |
| Lead       | 208-1 | 0.01    | 0.00    | 0.01    | 0.01       | 88.20    | ppb   |
| Lithium    | 6-1   |         |         |         |            |          | %     |
| Magnesium  | 24-2  | 0.60    | 0.70    | 0.95    | 0.75       | 24.26    | ppb   |
| Manganese  | 55-2  | 0.00    | 0.00    | -0.03   | -0.01      |          | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97639BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97639BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:51:52 | DataFile Name :   | 036CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.03    | 0.03    | 0.05    | 0.04       | 28.79   | ppb   |
| Molybdenum | 95-1  | 0.05    | 0.07    | 0.14    | 0.08       | 57.47   | ppb   |
| Molybdenum | 96-1  | 0.04    | 0.06    | 0.11    | 0.07       | 50.78   | ppb   |
| Molybdenum | 97-1  | 0.03    | 0.07    | 0.10    | 0.07       | 49.81   | ppb   |
| Molybdenum | 98-1  | 0.06    | 0.09    | 0.12    | 0.09       | 33.66   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.15   | -0.13   | -0.14   | -0.14      |         | ppb   |
| Phosphorus | 31-2  | -0.48   | -11.91  | -10.58  | -7.66      |         | ppb   |
| Potassium  | 39-2  | 10.11   | 9.20    | 9.72    | 9.68       | 4.75    | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.37    | 0.37    | 0.25       | 86.60   | ppb   |
| Selenium   | 78-2  | -1.02   | -0.88   | 0.22    | -0.56      |         | ppb   |
| Selenium   | 82-1  | 1.04    | 1.02    | 0.29    | 0.78       | 54.67   | ppb   |
| Silicon    | 28-1  | -18.83  | -18.88  | -17.34  | -18.35     |         | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.01    | 0.00       | 19.12   | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.00    | 0.00       | 5.71    | ppb   |
| Sodium     | 23-2  | 24.75   | 26.83   | 25.33   | 25.64      | 4.19    | ppb   |
| Strontium  | 86-1  | 0.03    | -0.01   | 0.00    | 0.00       | 567.99  | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 145.71  | ppb   |
| Sulfur     | 34-1  | -363.79 | -528.96 | -408.02 | -433.59    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Tin        | 118-1 | 0.07    | 0.12    | 0.09    | 0.09       | 28.43   | ppb   |
| Titanium   | 47-1  | -0.01   | -0.05   | -0.03   | -0.03      |         | ppb   |
| Uranium    | 238-1 | -0.01   | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | -0.08   | -0.01   | -0.08   | -0.06      |         | ppb   |
| Zirconium  | 90-1  | 0.00    | 0.01    | 0.02    | 0.01       | 62.28   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97639BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97639BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:51:52 | DataFile Name :   | 036CCBE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.02    | 0.02    | 0.02    | 0.02       | 10.44   | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97638BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97638BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:55:22 | DataFile Name :   | 037CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9699.96  | 9714.53  | 9635.68  | 9683.39    | 0.43    | ppb   |
| Antimony   | 121-1 | 476.54   | 476.15   | 477.34   | 476.68     | 0.13    | ppb   |
| Arsenic    | 75-2  | 499.05   | 503.03   | 504.85   | 502.31     | 0.59    | ppb   |
| Barium     | 135-1 | 2503.44  | 2522.77  | 2561.44  | 2529.22    | 1.17    | ppb   |
| Barium     | 137-1 | 2500.28  | 2506.60  | 2548.69  | 2518.52    | 1.04    | ppb   |
| Beryllium  | 9-1   | 492.78   | 494.48   | 496.64   | 494.63     | 0.39    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 480.22   | 485.60   | 494.28   | 486.70     | 1.46    | ppb   |
| Boron      | 11-1  | 488.35   | 495.38   | 506.29   | 496.68     | 1.82    | ppb   |
| Cadmium    | 106-1 | 498.92   | 496.52   | 510.57   | 502.01     | 1.50    | ppb   |
| Cadmium    | 108-1 | 498.89   | 497.51   | 510.24   | 502.21     | 1.39    | ppb   |
| Cadmium    | 111-1 | 500.12   | 497.13   | 508.35   | 501.87     | 1.16    | ppb   |
| Calcium    | 43-1  | 48558.11 | 48888.20 | 47923.53 | 48456.61   | 1.01    | ppb   |
| Calcium    | 44-1  | 49982.11 | 49859.90 | 49512.50 | 49784.84   | 0.49    | ppb   |
| Chromium   | 52-2  | 503.92   | 506.09   | 505.86   | 505.29     | 0.24    | ppb   |
| Cobalt     | 59-2  | 501.01   | 498.86   | 496.82   | 498.90     | 0.42    | ppb   |
| Copper     | 63-2  | 988.67   | 989.00   | 993.45   | 990.37     | 0.27    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 25711.46 | 25152.94 | 25087.41 | 25317.27   | 1.35    | ppb   |
| Iron       | 57-2  | 24524.31 | 24237.62 | 24219.50 | 24327.14   | 0.70    | ppb   |
| Lead       | 206-1 | 499.11   | 503.35   | 509.42   | 503.96     | 1.03    | ppb   |
| Lead       | 207-1 | 489.24   | 493.73   | 497.33   | 493.43     | 0.82    | ppb   |
| Lead       | 208-1 | 499.72   | 504.65   | 505.56   | 503.31     | 0.62    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 52391.22 | 52746.47 | 52116.47 | 52418.05   | 0.60    | ppb   |
| Manganese  | 55-2  | 1015.08  | 1012.97  | 1005.52  | 1011.19    | 0.50    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97638BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97638BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:55:22 | DataFile Name :   | 037CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 505.29   | 484.47   | 484.18   | 491.31     | 2.46    | ppb   |
| Molybdenum | 95-1  | 480.37   | 482.85   | 480.65   | 481.29     | 0.28    | ppb   |
| Molybdenum | 96-1  | 482.82   | 484.78   | 482.26   | 483.28     | 0.27    | ppb   |
| Molybdenum | 97-1  | 492.85   | 497.89   | 495.39   | 495.38     | 0.51    | ppb   |
| Molybdenum | 98-1  | 483.37   | 487.35   | 485.69   | 485.47     | 0.41    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 508.15   | 508.24   | 505.42   | 507.27     | 0.32    | ppb   |
| Phosphorus | 31-2  | 10178.00 | 10183.43 | 10100.19 | 10153.87   | 0.46    | ppb   |
| Potassium  | 39-2  | 25819.86 | 25393.75 | 25436.86 | 25550.16   | 0.92    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 490.25   | 485.39   | 495.03   | 490.22     | 0.98    | ppb   |
| Selenium   | 78-2  | 488.90   | 508.34   | 506.21   | 501.15     | 2.13    | ppb   |
| Selenium   | 82-1  | 497.74   | 500.72   | 504.08   | 500.84     | 0.63    | ppb   |
| Silicon    | 28-1  | 469.43   | 473.59   | 462.54   | 468.52     | 1.19    | ppb   |
| Silver     | 109-1 | 507.79   | 503.88   | 510.81   | 507.49     | 0.69    | ppb   |
| Silver     | 107-1 | 510.24   | 508.62   | 517.92   | 512.26     | 0.97    | ppb   |
| Sodium     | 23-2  | 51434.08 | 51701.11 | 51590.79 | 51575.32   | 0.26    | ppb   |
| Strontium  | 86-1  | 497.65   | 496.34   | 497.25   | 497.08     | 0.13    | ppb   |
| Strontium  | 88-1  | 499.43   | 504.29   | 502.34   | 502.02     | 0.49    | ppb   |
| Sulfur     | 34-1  | 10120.38 | 10083.73 | 9777.47  | 9993.86    | 1.88    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 490.31   | 498.85   | 494.38   | 494.52     | 0.86    | ppb   |
| Thallium   | 205-1 | 504.25   | 507.90   | 509.14   | 507.10     | 0.50    | ppb   |
| Tin        | 118-1 | 485.27   | 483.75   | 490.23   | 486.41     | 0.70    | ppb   |
| Titanium   | 47-1  | 500.82   | 502.35   | 493.52   | 498.90     | 0.95    | ppb   |
| Uranium    | 238-1 | 484.36   | 488.02   | 483.70   | 485.36     | 0.48    | ppb   |
| Vanadium   | 51-2  | 504.57   | 505.03   | 505.17   | 504.92     | 0.06    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1011.21  | 1016.49  | 1017.57  | 1015.09    | 0.34    | ppb   |
| Zirconium  | 90-1  | 502.35   | 502.27   | 505.57   | 503.40     | 0.37    | ppb   |



|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97638BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97638BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:55:22 | DataFile Name :   | 037CCV_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 493.80  | 495.51  | 498.06  | 495.79     | 0.43    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97639BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97639BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:58:48 | DataFile Name :   | 038CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9631.30  | 9704.59  | 9599.96  | 9645.28    | 0.56    | ppb   |
| Antimony   | 121-1 | 489.48   | 478.42   | 478.15   | 482.01     | 1.34    | ppb   |
| Arsenic    | 75-2  | 504.48   | 501.86   | 505.67   | 504.00     | 0.39    | ppb   |
| Barium     | 135-1 | 2571.98  | 2517.73  | 2515.39  | 2535.04    | 1.26    | ppb   |
| Barium     | 137-1 | 2569.13  | 2525.69  | 2505.31  | 2533.37    | 1.29    | ppb   |
| Beryllium  | 9-1   | 499.34   | 497.57   | 494.25   | 497.05     | 0.52    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 494.20   | 504.42   | 501.73   | 500.11     | 1.06    | ppb   |
| Boron      | 11-1  | 503.19   | 508.91   | 507.31   | 506.47     | 0.58    | ppb   |
| Cadmium    | 106-1 | 502.09   | 501.80   | 503.87   | 502.58     | 0.22    | ppb   |
| Cadmium    | 108-1 | 510.16   | 505.61   | 496.00   | 503.93     | 1.44    | ppb   |
| Cadmium    | 111-1 | 507.19   | 500.87   | 502.02   | 503.36     | 0.67    | ppb   |
| Calcium    | 43-1  | 48589.75 | 48267.91 | 48879.39 | 48579.01   | 0.63    | ppb   |
| Calcium    | 44-1  | 49987.99 | 48820.58 | 50438.79 | 49749.12   | 1.68    | ppb   |
| Chromium   | 52-2  | 501.64   | 505.23   | 503.43   | 503.43     | 0.36    | ppb   |
| Cobalt     | 59-2  | 495.48   | 500.33   | 498.64   | 498.15     | 0.49    | ppb   |
| Copper     | 63-2  | 982.52   | 995.75   | 996.15   | 991.47     | 0.78    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 25388.74 | 25231.45 | 25397.16 | 25339.12   | 0.37    | ppb   |
| Iron       | 57-2  | 24180.35 | 24484.01 | 24362.10 | 24342.15   | 0.63    | ppb   |
| Lead       | 206-1 | 495.31   | 500.51   | 506.13   | 500.65     | 1.08    | ppb   |
| Lead       | 207-1 | 487.41   | 488.96   | 497.87   | 491.41     | 1.15    | ppb   |
| Lead       | 208-1 | 496.14   | 496.72   | 507.15   | 500.00     | 1.24    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 51809.26 | 52242.67 | 52194.19 | 52082.04   | 0.46    | ppb   |
| Manganese  | 55-2  | 1009.14  | 1014.11  | 1012.11  | 1011.79    | 0.25    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97639BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97639BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:58:48 | DataFile Name :   | 038CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 482.60   | 484.85   | 506.21   | 491.22     | 2.65    | ppb   |
| Molybdenum | 95-1  | 483.88   | 480.82   | 479.78   | 481.49     | 0.44    | ppb   |
| Molybdenum | 96-1  | 484.10   | 482.49   | 478.56   | 481.71     | 0.59    | ppb   |
| Molybdenum | 97-1  | 496.66   | 497.56   | 492.12   | 495.45     | 0.59    | ppb   |
| Molybdenum | 98-1  | 487.73   | 486.67   | 487.75   | 487.38     | 0.13    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 506.08   | 509.45   | 510.24   | 508.59     | 0.43    | ppb   |
| Phosphorus | 31-2  | 10242.83 | 10210.07 | 10293.17 | 10248.69   | 0.41    | ppb   |
| Potassium  | 39-2  | 25681.32 | 25824.08 | 25495.26 | 25666.88   | 0.64    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 509.64   | 486.90   | 499.73   | 498.76     | 2.29    | ppb   |
| Selenium   | 78-2  | 500.05   | 504.13   | 506.71   | 503.63     | 0.67    | ppb   |
| Selenium   | 82-1  | 504.92   | 497.64   | 497.39   | 499.98     | 0.86    | ppb   |
| Silicon    | 28-1  | 469.52   | 464.67   | 474.05   | 469.42     | 1.00    | ppb   |
| Silver     | 109-1 | 512.23   | 503.84   | 504.67   | 506.91     | 0.91    | ppb   |
| Silver     | 107-1 | 516.94   | 507.49   | 508.39   | 510.94     | 1.02    | ppb   |
| Sodium     | 23-2  | 51264.23 | 51453.91 | 51731.05 | 51483.06   | 0.46    | ppb   |
| Strontium  | 86-1  | 494.73   | 493.06   | 491.16   | 492.98     | 0.36    | ppb   |
| Strontium  | 88-1  | 502.57   | 499.54   | 499.19   | 500.43     | 0.37    | ppb   |
| Sulfur     | 34-1  | 10120.68 | 9836.76  | 10115.27 | 10024.24   | 1.62    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 487.58   | 492.16   | 498.68   | 492.81     | 1.13    | ppb   |
| Thallium   | 205-1 | 499.56   | 507.29   | 513.03   | 506.63     | 1.33    | ppb   |
| Tin        | 118-1 | 488.54   | 482.40   | 482.74   | 484.56     | 0.71    | ppb   |
| Titanium   | 47-1  | 502.20   | 493.78   | 503.40   | 499.80     | 1.05    | ppb   |
| Uranium    | 238-1 | 488.58   | 487.53   | 487.57   | 487.89     | 0.12    | ppb   |
| Vanadium   | 51-2  | 500.50   | 504.48   | 504.13   | 503.04     | 0.44    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1009.27  | 1017.41  | 1014.81  | 1013.83    | 0.41    | ppb   |
| Zirconium  | 90-1  | 496.72   | 495.87   | 498.57   | 497.05     | 0.28    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97639BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97639BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:58:48 | DataFile Name :   | 038CCV_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 493.13  | 492.06  | 494.45  | 493.21     | 0.24    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 15:02:14 | DataFile Name :   | 039CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9667.73  | 9675.38  | 9675.08  | 9672.73    | 0.04    | ppb   |
| Antimony   | 121-1 | 508.14   | 505.99   | 479.88   | 498.00     | 3.16    | ppb   |
| Arsenic    | 75-2  | 504.71   | 506.94   | 505.38   | 505.68     | 0.23    | ppb   |
| Barium     | 135-1 | 2526.48  | 2517.79  | 2524.20  | 2522.82    | 0.18    | ppb   |
| Barium     | 137-1 | 2534.67  | 2517.46  | 2522.90  | 2525.01    | 0.35    | ppb   |
| Beryllium  | 9-1   | 494.07   | 497.18   | 497.48   | 496.24     | 0.38    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 495.99   | 499.76   | 492.94   | 496.23     | 0.69    | ppb   |
| Boron      | 11-1  | 501.63   | 509.28   | 507.78   | 506.23     | 0.80    | ppb   |
| Cadmium    | 106-1 | 504.56   | 504.54   | 497.72   | 502.27     | 0.78    | ppb   |
| Cadmium    | 108-1 | 508.56   | 504.16   | 494.24   | 502.32     | 1.46    | ppb   |
| Cadmium    | 111-1 | 501.81   | 505.47   | 501.15   | 502.81     | 0.46    | ppb   |
| Calcium    | 43-1  | 48190.16 | 48801.43 | 48717.71 | 48569.77   | 0.68    | ppb   |
| Calcium    | 44-1  | 50118.43 | 49908.61 | 50176.31 | 50067.79   | 0.28    | ppb   |
| Chromium   | 52-2  | 512.03   | 507.26   | 509.09   | 509.46     | 0.47    | ppb   |
| Cobalt     | 59-2  | 502.58   | 499.23   | 505.98   | 502.60     | 0.67    | ppb   |
| Copper     | 63-2  | 1001.30  | 986.90   | 998.11   | 995.44     | 0.76    | ppb   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Holmium    | 165-1 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 25418.15 | 25288.55 | 25546.62 | 25417.77   | 0.51    | ppb   |
| Iron       | 57-2  | 24518.76 | 24360.01 | 24439.24 | 24439.34   | 0.32    | ppb   |
| Lead       | 206-1 | 501.39   | 501.20   | 505.24   | 502.61     | 0.45    | ppb   |
| Lead       | 207-1 | 490.14   | 490.11   | 491.00   | 490.42     | 0.10    | ppb   |
| Lead       | 208-1 | 503.13   | 500.73   | 500.32   | 501.39     | 0.30    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 52809.80 | 52739.83 | 52731.36 | 52760.33   | 0.08    | ppb   |
| Manganese  | 55-2  | 1022.60  | 1013.47  | 1022.39  | 1019.48    | 0.51    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 15:02:14 | DataFile Name :   | 039CCV_P7033117.D |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 485.91   | 499.78   | 480.08   | 488.59     | 2.07    | ppb   |
| Molybdenum | 95-1  | 487.70   | 480.52   | 479.09   | 482.44     | 0.96    | ppb   |
| Molybdenum | 96-1  | 485.59   | 480.70   | 481.48   | 482.59     | 0.54    | ppb   |
| Molybdenum | 97-1  | 497.96   | 494.49   | 492.72   | 495.06     | 0.54    | ppb   |
| Molybdenum | 98-1  | 490.36   | 485.03   | 484.75   | 486.72     | 0.65    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 510.62   | 507.42   | 511.16   | 509.74     | 0.40    | ppb   |
| Phosphorus | 31-2  | 10223.89 | 10236.26 | 10336.61 | 10265.59   | 0.60    | ppb   |
| Potassium  | 39-2  | 25674.35 | 25665.96 | 25552.54 | 25630.95   | 0.27    | ppb   |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 497.34   | 497.71   | 483.21   | 492.76     | 1.68    | ppb   |
| Selenium   | 78-2  | 501.21   | 503.57   | 502.81   | 502.53     | 0.24    | ppb   |
| Selenium   | 82-1  | 504.74   | 500.08   | 496.16   | 500.33     | 0.86    | ppb   |
| Silicon    | 28-1  | 489.68   | 485.13   | 488.55   | 487.79     | 0.48    | ppb   |
| Silver     | 109-1 | 509.17   | 513.46   | 508.74   | 510.46     | 0.51    | ppb   |
| Silver     | 107-1 | 511.52   | 516.06   | 512.46   | 513.34     | 0.47    | ppb   |
| Sodium     | 23-2  | 52631.29 | 51341.31 | 51990.06 | 51987.55   | 1.24    | ppb   |
| Strontium  | 86-1  | 495.31   | 497.19   | 494.29   | 495.60     | 0.30    | ppb   |
| Strontium  | 88-1  | 506.23   | 502.82   | 497.24   | 502.09     | 0.90    | ppb   |
| Sulfur     | 34-1  | 9787.36  | 9524.22  | 9597.57  | 9636.38    | 1.41    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 495.77   | 492.80   | 499.30   | 495.96     | 0.66    | ppb   |
| Thallium   | 205-1 | 513.50   | 508.65   | 511.87   | 511.34     | 0.48    | ppb   |
| Tin        | 118-1 | 484.71   | 485.43   | 483.29   | 484.48     | 0.23    | ppb   |
| Titanium   | 47-1  | 497.83   | 499.17   | 496.16   | 497.72     | 0.30    | ppb   |
| Uranium    | 238-1 | 482.36   | 479.64   | 483.45   | 481.82     | 0.41    | ppb   |
| Vanadium   | 51-2  | 509.73   | 504.93   | 505.15   | 506.61     | 0.54    | ppb   |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1026.08  | 1019.04  | 1025.98  | 1023.70    | 0.39    | ppb   |
| Zirconium  | 90-1  | 502.68   | 499.74   | 500.02   | 500.82     | 0.32    | ppb   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 15:02:14 | DataFile Name :   | 039CCV_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 496.29  | 488.81  | 490.74  | 491.95     | 0.79    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV2              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV2              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:37:38 | DataFile Name :   | 043LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 19.08   | 17.93   | 17.74   | 18.25      | 3.99    | ppb   |
| Antimony   | 121-1 | 1.92    | 2.05    | 2.05    | 2.01       | 3.76    | ppb   |
| Arsenic    | 75-2  | 1.03    | 1.10    | 0.91    | 1.01       | 9.59    | ppb   |
| Barium     | 135-1 | 8.98    | 9.18    | 9.42    | 9.19       | 2.41    | ppb   |
| Barium     | 137-1 | 9.04    | 9.17    | 9.12    | 9.11       | 0.72    | ppb   |
| Beryllium  | 9-1   | 0.94    | 0.98    | 1.08    | 1.00       | 7.39    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 21.24   | 23.94   | 22.29   | 22.49      | 6.06    | ppb   |
| Boron      | 11-1  | 22.96   | 22.61   | 22.78   | 22.78      | 0.76    | ppb   |
| Cadmium    | 106-1 | -0.77   | 0.30    | -0.29   | -0.25      |         | ppb   |
| Cadmium    | 108-1 | 1.13    | 1.00    | 1.04    | 1.06       | 6.41    | ppb   |
| Cadmium    | 111-1 | 0.85    | 0.88    | 0.92    | 0.88       | 3.60    | ppb   |
| Calcium    | 43-1  | 468.48  | 450.51  | 437.90  | 452.30     | 3.40    | ppb   |
| Calcium    | 44-1  | 444.21  | 448.91  | 445.37  | 446.16     | 0.55    | ppb   |
| Chromium   | 52-2  | 1.93    | 1.97    | 1.93    | 1.94       | 1.19    | ppb   |
| Cobalt     | 59-2  | 0.95    | 0.95    | 0.95    | 0.95       | 0.22    | ppb   |
| Copper     | 63-2  | 1.97    | 2.07    | 2.05    | 2.03       | 2.45    | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 47.05   | 47.77   | 47.16   | 47.33      | 0.82    | ppb   |
| Iron       | 57-2  | 46.25   | 48.69   | 48.46   | 47.80      | 2.82    | ppb   |
| Lead       | 206-1 | 1.04    | 1.10    | 1.07    | 1.07       | 2.81    | ppb   |
| Lead       | 207-1 | 1.00    | 1.01    | 1.10    | 1.04       | 5.33    | ppb   |
| Lead       | 208-1 | 1.01    | 1.06    | 1.06    | 1.04       | 2.48    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 485.88  | 486.17  | 476.66  | 482.90     | 1.12    | ppb   |
| Manganese  | 55-2  | 1.05    | 1.02    | 1.03    | 1.03       | 1.18    | ppb   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV2              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV2              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:37:38 | DataFile Name :   | 043LCSE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 1.94    | 1.88    | 1.90    | 1.91       | 1.48    | ppb   |
| Molybdenum | 95-1  | 4.41    | 4.54    | 4.58    | 4.51       | 1.98    | ppb   |
| Molybdenum | 96-1  | 3.74    | 3.77    | 3.97    | 3.83       | 3.36    | ppb   |
| Molybdenum | 97-1  | 4.53    | 4.58    | 4.76    | 4.62       | 2.58    | ppb   |
| Molybdenum | 98-1  | 4.44    | 4.43    | 4.54    | 4.47       | 1.36    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.78    | 0.90    | 0.92    | 0.87       | 9.16    | ppb   |
| Phosphorus | 31-2  | 7.25    | -7.26   | 4.03    | 1.34       | 569.08  | ppb   |
| Potassium  | 39-2  | 477.34  | 469.39  | 477.95  | 474.90     | 1.01    | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 5.43    | 5.03    | 3.99    | 4.82       | 15.44   | ppb   |
| Selenium   | 78-2  | 5.75    | 2.46    | 3.10    | 3.77       | 46.23   | ppb   |
| Selenium   | 82-1  | 5.44    | 4.60    | 5.21    | 5.08       | 8.60    | ppb   |
| Silicon    | 28-1  | -12.03  | -15.57  | -14.09  | -13.90     |         | ppb   |
| Silver     | 109-1 | 0.99    | 1.03    | 1.03    | 1.02       | 2.51    | ppb   |
| Silver     | 107-1 | 1.03    | 1.01    | 1.04    | 1.03       | 1.37    | ppb   |
| Sodium     | 23-2  | 516.79  | 510.08  | 511.38  | 512.75     | 0.69    | ppb   |
| Strontium  | 86-1  | 0.90    | 0.78    | 0.93    | 0.87       | 9.02    | ppb   |
| Strontium  | 88-1  | 0.90    | 0.92    | 0.92    | 0.91       | 1.11    | ppb   |
| Sulfur     | 34-1  | 21.88   | -82.98  | 8.67    | -17.48     |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.91    | 0.91    | 0.94    | 0.92       | 1.83    | ppb   |
| Thallium   | 205-1 | 0.91    | 0.97    | 0.94    | 0.94       | 3.29    | ppb   |
| Tin        | 118-1 | 4.58    | 4.73    | 4.63    | 4.65       | 1.63    | ppb   |
| Titanium   | 47-1  | 4.37    | 4.51    | 4.44    | 4.44       | 1.55    | ppb   |
| Uranium    | 238-1 | 0.89    | 0.88    | 0.88    | 0.88       | 0.61    | ppb   |
| Vanadium   | 51-2  | 4.73    | 4.60    | 4.75    | 4.69       | 1.73    | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 2.15    | 1.91    | 1.85    | 1.97       | 8.04    | ppb   |
| Zirconium  | 90-1  | 0.81    | 0.82    | 0.83    | 0.82       | 0.83    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV2              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV2              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:37:38 | DataFile Name :   | 043LCSE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.84    | 0.89    | 0.76    | 0.83       | 7.84    | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:41:09 | DataFile Name :   | 044CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.28   | -0.03   | -0.11   | -0.14      |         | ppb   |
| Antimony   | 121-1 | 0.07    | 0.09    | 0.10    | 0.08       | 14.90   | ppb   |
| Arsenic    | 75-2  | 0.01    | 0.03    | 0.07    | 0.04       | 73.45   | ppb   |
| Barium     | 135-1 | -0.01   | -0.03   | -0.01   | -0.02      |         | ppb   |
| Barium     | 137-1 | 0.00    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Beryllium  | 9-1   | 0.01    | -0.01   | -0.02   | -0.01      |         | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 1.75    | 1.70    | 1.51    | 1.65       | 7.81    | ppb   |
| Boron      | 11-1  | 1.45    | 1.60    | 1.56    | 1.54       | 4.94    | ppb   |
| Cadmium    | 106-1 | -0.80   | -1.76   | -2.25   | -1.60      |         | ppb   |
| Cadmium    | 108-1 | -0.04   | 0.06    | -0.04   | -0.01      |         | ppb   |
| Cadmium    | 111-1 | -0.06   | -0.14   | -0.17   | -0.12      |         | ppb   |
| Calcium    | 43-1  | -0.70   | -0.29   | 1.41    | 0.14       | 801.71  | ppb   |
| Calcium    | 44-1  | -6.81   | -7.36   | -6.48   | -6.88      |         | ppb   |
| Chromium   | 52-2  | -0.02   | -0.01   | 0.00    | -0.01      |         | ppb   |
| Cobalt     | 59-2  | -0.02   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.01    | 0.02    | 0.01    | 0.02       | 35.16   | ppb   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.05    | 0.00    | 0.06    | 0.04       | 89.23   | ppb   |
| Iron       | 57-2  | -0.24   | -0.24   | 0.19    | -0.10      |         | ppb   |
| Lead       | 206-1 | -0.04   | -0.06   | -0.03   | -0.04      |         | ppb   |
| Lead       | 207-1 | -0.03   | -0.04   | -0.05   | -0.04      |         | ppb   |
| Lead       | 208-1 | -0.04   | -0.04   | -0.05   | -0.04      |         | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | -0.20   | 0.19    | 0.12    | 0.04       | 585.06  | ppb   |
| Manganese  | 55-2  | -0.02   | 0.00    | -0.01   | -0.01      |         | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:41:09 | DataFile Name :   | 044CCBE_P7033117.D |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.04    | 0.04    | 0.05    | 0.04       | 11.34   | ppb   |
| Molybdenum | 95-1  | 0.05    | 0.04    | 0.07    | 0.06       | 30.34   | ppb   |
| Molybdenum | 96-1  | 0.03    | 0.06    | 0.06    | 0.05       | 39.27   | ppb   |
| Molybdenum | 97-1  | 0.06    | 0.12    | 0.09    | 0.09       | 34.67   | ppb   |
| Molybdenum | 98-1  | 0.05    | 0.07    | 0.10    | 0.08       | 33.80   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.13   | -0.13   | -0.15   | -0.14      |         | ppb   |
| Phosphorus | 31-2  | -10.92  | -3.77   | -23.40  | -12.70     |         | ppb   |
| Potassium  | 39-2  | 4.98    | 10.65   | 7.89    | 7.84       | 36.15   | ppb   |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.37    | 0.12       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.81   | -2.01   | -1.39   | -1.40      |         | ppb   |
| Selenium   | 82-1  | 1.51    | 0.60    | 1.06    | 1.06       | 43.01   | ppb   |
| Silicon    | 28-1  | -21.66  | -20.62  | -20.08  | -20.79     |         | ppb   |
| Silver     | 109-1 | 0.01    | 0.01    | 0.01    | 0.01       | 10.81   | ppb   |
| Silver     | 107-1 | 0.02    | 0.01    | 0.01    | 0.02       | 29.72   | ppb   |
| Sodium     | 23-2  | 24.60   | 23.51   | 24.40   | 24.17      | 2.40    | ppb   |
| Strontium  | 86-1  | 0.15    | 0.06    | 0.07    | 0.09       | 54.49   | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 169.21  | ppb   |
| Sulfur     | 34-1  | -392.64 | -323.56 | -35.50  | -250.56    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.01    | 0.00    | -0.01   | 0.00       |         | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       | 3177.85 | ppb   |
| Tin        | 118-1 | 0.04    | 0.06    | 0.08    | 0.06       | 33.02   | ppb   |
| Titanium   | 47-1  | -0.01   | -0.01   | 0.01    | 0.00       |         | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | -0.01   | 0.00    | 0.00    | 0.00       |         | ppb   |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Zinc       | 66-2  | -0.06   | -0.04   | -0.05   | -0.05      |         | ppb   |
| Zirconium  | 90-1  | 0.02    | 0.02    | 0.03    | 0.02       | 25.79   | ppb   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:41:09 | DataFile Name :   | 044CCBE_P7033117.D |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.02    | 0.03    | 0.04    | 0.03       | 41.95   | ppb   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : S0 Instrumnet Name : P7  
 Client Sample ID : S0 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 12:17:23 DataFile Name : 003CALB\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 92       | 17       | 25       | 44       | 92.49  | cps   |
| Antimony   | 121-1 | 692      | 633      | 567      | 631      | 9.92   | cps   |
| Arsenic    | 75-2  | 11       | 7        | 15       | 11       | 33.30  | cps   |
| Barium     | 135-1 | 67       | 67       | 83       | 72       | 13.33  | cps   |
| Barium     | 137-1 | 117      | 33       | 75       | 75       | 55.55  | cps   |
| Beryllium  | 9-1   | 39       | 56       | 61       | 52       | 22.30  | cps   |
| Bismuth    | 209-1 | 8028986  | 7959932  | 8061278  | 8016732  | 0.65   | cps   |
| Bismuth    | 209-2 | 5524342  | 5526818  | 5551640  | 5534267  | 0.27   | cps   |
| Boron      | 10-1  | 100      | 100      | 58       | 86       | 27.93  | cps   |
| Boron      | 11-1  | 475      | 392      | 375      | 414      | 12.94  | cps   |
| Cadmium    | 106-1 | 3509     | 3884     | 3642     | 3678     | 5.17   | cps   |
| Cadmium    | 108-1 | 0        | 13       | 13       | 8        | 86.60  | cps   |
| Cadmium    | 111-1 | 2473     | 2743     | 2558     | 2591     | 5.34   | cps   |
| Calcium    | 43-1  | 367      | 383      | 492      | 414      | 16.40  | cps   |
| Calcium    | 44-1  | 24371    | 24555    | 23277    | 24068    | 2.87   | cps   |
| Chromium   | 52-2  | 733      | 790      | 753      | 759      | 3.79   | cps   |
| Cobalt     | 59-2  | 133      | 133      | 123      | 130      | 4.44   | cps   |
| Copper     | 63-2  | 560      | 543      | 507      | 537      | 5.08   | cps   |
| Dysprosium | 156-2 | 7        | 0        | 10       | 6        | 91.64  | cps   |
| Dysprosium | 156-1 | 8        | 8        | 8        | 8        | 0.00   | cps   |
| Erbium     | 164-1 | 42       | 33       | 25       | 33       | 25.01  | cps   |
| Erbium     | 164-2 | 20       | 30       | 17       | 22       | 31.22  | cps   |
| Gadolinium | 160-2 | 37       | 70       | 50       | 52       | 32.12  | cps   |
| Gadolinium | 160-1 | 50       | 117      | 175      | 114      | 54.92  | cps   |
| Holmium    | 165-2 | 7234501  | 7179992  | 7136347  | 7183614  | 0.68   | cps   |
| Holmium    | 165-1 | 12827098 | 12815440 | 12861315 | 12834618 | 0.19   | cps   |
| Indium     | 115-1 | 11085729 | 11121375 | 10989457 | 11065520 | 0.62   | cps   |
| Indium     | 115-2 | 2455121  | 2461783  | 2463391  | 2460098  | 0.18   | cps   |
| Iron       | 56-2  | 5985     | 5874     | 6024     | 5961     | 1.31   | cps   |
| Iron       | 57-2  | 133      | 122      | 117      | 124      | 6.84   | cps   |
| Lead       | 206-1 | 1884     | 1695     | 1750     | 1776     | 5.47   | cps   |
| Lead       | 207-1 | 1522     | 1400     | 1633     | 1519     | 7.69   | cps   |
| Lead       | 208-1 | 7145     | 6729     | 7045     | 6973     | 3.12   | cps   |
| Lithium    | 6-1   | 667303   | 669845   | 672587   | 669912   | 0.39   | cps   |
| Magnesium  | 24-2  | 142      | 308      | 192      | 214      | 39.98  | cps   |
| Manganese  | 55-2  | 110      | 100      | 70       | 93       | 22.30  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:17:23 | DataFile Name :   | 003CALB_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD  | Units |
|------------|-------|----------|----------|----------|----------|---------|-------|
| Molybdenum | 94-1  | 292      | 292      | 308      | 297      | 3.24    | cps   |
| Molybdenum | 95-1  | 75       | 150      | 142      | 122      | 33.64   | cps   |
| Molybdenum | 96-1  | 208      | 225      | 208      | 214      | 4.50    | cps   |
| Molybdenum | 97-1  | 100      | 108      | 175      | 128      | 32.17   | cps   |
| Molybdenum | 98-1  | 150      | 150      | 200      | 167      | 17.32   | cps   |
| Neodymium  | 150-1 | 27       | 7        | 13       | 16       | 65.47   | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00    | cps   |
| Nickel     | 60-2  | 367      | 373      | 437      | 392      | 9.85    | cps   |
| Phosphorus | 31-2  | 242      | 325      | 350      | 306      | 18.56   | cps   |
| Potassium  | 39-2  | 60960    | 61261    | 62382    | 61534    | 1.22    | cps   |
| Rhodium    | 103-2 | 5028720  | 5011306  | 5043475  | 5027834  | 0.32    | cps   |
| Rhodium    | 103-1 | 10205268 | 10183636 | 10202547 | 10197150 | 0.12    | cps   |
| Scandium   | 45-1  | 6369821  | 6258934  | 6337574  | 6322110  | 0.90    | cps   |
| Scandium   | 45-2  | 324528   | 326574   | 326887   | 325996   | 0.39    | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00    | cps   |
| Selenium   | 78-2  | 226      | 202      | 257      | 228      | 12.20   | cps   |
| Selenium   | 82-1  | -22      | -233     | -40      | -98      | -118.86 | cps   |
| Silicon    | 28-1  | 1082817  | 1090724  | 1082095  | 1085212  | 0.44    | cps   |
| Silver     | 109-1 | 50       | 100      | 42       | 64       | 49.38   | cps   |
| Silver     | 107-1 | 117      | 100      | 92       | 103      | 12.38   | cps   |
| Sodium     | 23-2  | 23419    | 24162    | 22501    | 23361    | 3.56    | cps   |
| Strontium  | 86-1  | 4026     | 4518     | 4026     | 4190     | 6.78    | cps   |
| Strontium  | 88-1  | 208      | 183      | 150      | 181      | 16.21   | cps   |
| Sulfur     | 34-1  | 585446   | 577184   | 581453   | 581361   | 0.71    | cps   |
| Terbium    | 159-1 | 13312874 | 13417386 | 13364769 | 13365010 | 0.39    | cps   |
| Terbium    | 159-2 | 7227098  | 7258671  | 7263683  | 7249818  | 0.27    | cps   |
| Thallium   | 203-1 | 325      | 342      | 217      | 294      | 23.05   | cps   |
| Thallium   | 205-1 | 567      | 808      | 642      | 672      | 18.40   | cps   |
| Tin        | 118-1 | 908      | 883      | 933      | 908      | 2.75    | cps   |
| Titanium   | 47-1  | 183      | 100      | 192      | 158      | 32.01   | cps   |
| Uranium    | 238-1 | 217      | 217      | 225      | 219      | 2.19    | cps   |
| Vanadium   | 51-2  | 27       | 37       | 23       | 29       | 24.03   | cps   |
| Yttrium    | 89-2  | 1877572  | 1889483  | 1894066  | 1887041  | 0.45    | cps   |
| Yttrium    | 89-1  | 11487571 | 11503566 | 11481477 | 11490871 | 0.10    | cps   |
| Zinc       | 66-2  | 233      | 243      | 240      | 239      | 2.13    | cps   |
| Zirconium  | 90-1  | 642      | 767      | 742      | 717      | 9.23    | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:17:23 | DataFile Name :   | 003CALB_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 142  | 117  | 142  | 133     | 10.83  | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:24:40 | DataFile Name :   | 005CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2275     | 2284     | 2125     | 2228     | 4.00   | cps   |
| Antimony   | 121-1 | 24614    | 24531    | 24806    | 24650    | 0.57   | cps   |
| Arsenic    | 75-2  | 565      | 509      | 489      | 521      | 7.54   | cps   |
| Barium     | 135-1 | 27695    | 27253    | 27728    | 27559    | 0.96   | cps   |
| Barium     | 137-1 | 47432    | 49088    | 48068    | 48196    | 1.73   | cps   |
| Beryllium  | 9-1   | 1245     | 1311     | 1245     | 1267     | 3.04   | cps   |
| Bismuth    | 209-1 | 7873006  | 7931705  | 7979799  | 7928170  | 0.67   | cps   |
| Bismuth    | 209-2 | 5536003  | 5586270  | 5508472  | 5543582  | 0.71   | cps   |
| Boron      | 10-1  | 4092     | 3776     | 4209     | 4026     | 5.57   | cps   |
| Boron      | 11-1  | 19580    | 19071    | 19880    | 19510    | 2.10   | cps   |
| Cadmium    | 106-1 | 4067     | 3884     | 3734     | 3895     | 4.29   | cps   |
| Cadmium    | 108-1 | 233      | 208      | 250      | 231      | 9.10   | cps   |
| Cadmium    | 111-1 | 5288     | 5319     | 5410     | 5339     | 1.18   | cps   |
| Calcium    | 43-1  | 15317    | 15901    | 15600    | 15606    | 1.87   | cps   |
| Calcium    | 44-1  | 269429   | 270815   | 268901   | 269715   | 0.37   | cps   |
| Chromium   | 52-2  | 8529     | 8829     | 8686     | 8682     | 1.73   | cps   |
| Cobalt     | 59-2  | 6348     | 6428     | 6358     | 6378     | 0.68   | cps   |
| Copper     | 63-2  | 10270    | 10197    | 10457    | 10308    | 1.30   | cps   |
| Dysprosium | 156-1 | 17       | 17       | 0        | 11       | 86.60  | cps   |
| Dysprosium | 156-2 | 7        | 3        | 7        | 6        | 34.70  | cps   |
| Erbium     | 164-2 | 23       | 23       | 40       | 29       | 33.32  | cps   |
| Erbium     | 164-1 | 50       | 92       | 108      | 83       | 36.06  | cps   |
| Gadolinium | 160-1 | 150      | 92       | 117      | 119      | 24.50  | cps   |
| Gadolinium | 160-2 | 33       | 60       | 43       | 46       | 29.58  | cps   |
| Holmium    | 165-2 | 7303631  | 7367241  | 7255434  | 7308768  | 0.77   | cps   |
| Holmium    | 165-1 | 12689827 | 12809588 | 12839992 | 12779802 | 0.62   | cps   |
| Indium     | 115-1 | 10966494 | 10794384 | 10882028 | 10880969 | 0.79   | cps   |
| Indium     | 115-2 | 2452620  | 2457247  | 2481332  | 2463733  | 0.63   | cps   |
| Iron       | 56-2  | 163550   | 164236   | 163899   | 163895   | 0.21   | cps   |
| Iron       | 57-2  | 4017     | 3840     | 4178     | 4012     | 4.23   | cps   |
| Lead       | 206-1 | 13285    | 13229    | 13552    | 13355    | 1.29   | cps   |
| Lead       | 207-1 | 11633    | 11528    | 11767    | 11642    | 1.03   | cps   |
| Lead       | 208-1 | 53438    | 53628    | 53410    | 53492    | 0.22   | cps   |
| Lithium    | 6-1   | 669129   | 667430   | 676475   | 671012   | 0.72   | cps   |
| Magnesium  | 24-2  | 118760   | 117500   | 119533   | 118597   | 0.87   | cps   |
| Manganese  | 55-2  | 2340     | 2287     | 2577     | 2401     | 6.43   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:24:40 | DataFile Name :   | 005CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 23345    | 22268    | 21826    | 22480    | 3.48   | cps   |
| Molybdenum | 95-1  | 28354    | 27319    | 27219    | 27630    | 2.28   | cps   |
| Molybdenum | 96-1  | 29966    | 30542    | 31335    | 30614    | 2.25   | cps   |
| Molybdenum | 97-1  | 17829    | 17303    | 17194    | 17442    | 1.94   | cps   |
| Molybdenum | 98-1  | 44195    | 43008    | 43911    | 43704    | 1.42   | cps   |
| Neodymium  | 150-1 | 0        | 0        | 33       | 11       | 173.21 | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 1994     | 2094     | 2087     | 2058     | 2.72   | cps   |
| Phosphorus | 31-2  | 400      | 417      | 308      | 375      | 15.56  | cps   |
| Potassium  | 39-2  | 200147   | 200156   | 201719   | 200674   | 0.45   | cps   |
| Rhodium    | 103-1 | 10166011 | 10098867 | 10204899 | 10156593 | 0.53   | cps   |
| Rhodium    | 103-2 | 5035379  | 5027043  | 5071732  | 5044718  | 0.47   | cps   |
| Scandium   | 45-1  | 6285258  | 6297268  | 6255988  | 6279505  | 0.34   | cps   |
| Scandium   | 45-2  | 326768   | 329288   | 330575   | 328877   | 0.59   | cps   |
| Selenium   | 77-2  | 57       | 50       | 53       | 53       | 6.25   | cps   |
| Selenium   | 78-2  | 413      | 378      | 344      | 378      | 9.05   | cps   |
| Selenium   | 82-1  | 624      | 749      | 542      | 638      | 16.30  | cps   |
| Silicon    | 28-1  | 1124383  | 1114710  | 1110601  | 1116565  | 0.63   | cps   |
| Silver     | 109-1 | 14683    | 14024    | 14475    | 14394    | 2.34   | cps   |
| Silver     | 107-1 | 14975    | 15275    | 15017    | 15089    | 1.08   | cps   |
| Sodium     | 23-2  | 250138   | 247407   | 248405   | 248650   | 0.56   | cps   |
| Strontium  | 86-1  | 7986     | 8003     | 7686     | 7891     | 2.26   | cps   |
| Strontium  | 88-1  | 33515    | 34467    | 33473    | 33819    | 1.66   | cps   |
| Sulfur     | 34-1  | 581708   | 576483   | 581511   | 579901   | 0.51   | cps   |
| Terbium    | 159-1 | 13304840 | 13174262 | 13339606 | 13272903 | 0.66   | cps   |
| Terbium    | 159-2 | 7259280  | 7239518  | 7264876  | 7254558  | 0.18   | cps   |
| Thallium   | 203-1 | 10755    | 10405    | 10913    | 10691    | 2.44   | cps   |
| Thallium   | 205-1 | 24615    | 25091    | 25158    | 24955    | 1.19   | cps   |
| Tin        | 118-1 | 48794    | 48460    | 48551    | 48602    | 0.36   | cps   |
| Titanium   | 47-1  | 7902     | 7436     | 7486     | 7608     | 3.37   | cps   |
| Uranium    | 238-1 | 34071    | 33946    | 32817    | 33611    | 2.05   | cps   |
| Vanadium   | 51-2  | 15989    | 15642    | 15765    | 15799    | 1.11   | cps   |
| Yttrium    | 89-1  | 11317070 | 11339682 | 11413069 | 11356607 | 0.44   | cps   |
| Yttrium    | 89-2  | 1908387  | 1901003  | 1905077  | 1904822  | 0.19   | cps   |
| Zinc       | 66-2  | 1497     | 1443     | 1493     | 1478     | 2.02   | cps   |
| Zirconium  | 90-1  | 17803    | 17711    | 17286    | 17600    | 1.57   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:24:40 | DataFile Name :   | 005CALS_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 4267 | 4251 | 3851 | 4123    | 5.72   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:28:19 | DataFile Name :   | 006CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 102669   | 100748   | 100103   | 101173   | 1.32   | cps   |
| Antimony   | 121-1 | 503358   | 486697   | 471695   | 487250   | 3.25   | cps   |
| Arsenic    | 75-2  | 25181    | 24903    | 24613    | 24899    | 1.14   | cps   |
| Barium     | 135-1 | 714960   | 708982   | 707799   | 710580   | 0.54   | cps   |
| Barium     | 137-1 | 1228085  | 1230114  | 1230328  | 1229509  | 0.10   | cps   |
| Beryllium  | 9-1   | 61385    | 61519    | 59511    | 60805    | 1.85   | cps   |
| Bismuth    | 209-1 | 8183391  | 8194961  | 8125040  | 8167797  | 0.46   | cps   |
| Bismuth    | 209-2 | 5675119  | 5704636  | 5656397  | 5678717  | 0.43   | cps   |
| Boron      | 10-1  | 7752     | 7977     | 8444     | 8058     | 4.38   | cps   |
| Boron      | 11-1  | 42393    | 42928    | 42569    | 42630    | 0.64   | cps   |
| Cadmium    | 106-1 | 19781    | 18922    | 19614    | 19439    | 2.34   | cps   |
| Cadmium    | 108-1 | 10834    | 10533    | 10091    | 10486    | 3.56   | cps   |
| Cadmium    | 111-1 | 147324   | 147673   | 146216   | 147071   | 0.52   | cps   |
| Calcium    | 43-1  | 157346   | 158995   | 156191   | 157511   | 0.89   | cps   |
| Calcium    | 44-1  | 2548764  | 2569484  | 2540317  | 2552855  | 0.59   | cps   |
| Chromium   | 52-2  | 192975   | 194082   | 192620   | 193226   | 0.39   | cps   |
| Cobalt     | 59-2  | 317862   | 318149   | 319513   | 318508   | 0.28   | cps   |
| Copper     | 63-2  | 464802   | 462924   | 462620   | 463449   | 0.26   | cps   |
| Dysprosium | 156-2 | 7        | 0        | 0        | 2        | 173.21 | cps   |
| Dysprosium | 156-1 | 8        | 0        | 42       | 17       | 132.30 | cps   |
| Erbium     | 164-1 | 67       | 58       | 58       | 61       | 7.87   | cps   |
| Erbium     | 164-2 | 13       | 33       | 20       | 22       | 45.83  | cps   |
| Gadolinium | 160-2 | 77       | 53       | 57       | 62       | 20.29  | cps   |
| Gadolinium | 160-1 | 58       | 67       | 167      | 97       | 62.00  | cps   |
| Holmium    | 165-2 | 7464973  | 7453552  | 7406923  | 7441816  | 0.41   | cps   |
| Holmium    | 165-1 | 13001151 | 13124279 | 12817032 | 12980821 | 1.19   | cps   |
| Indium     | 115-1 | 11154748 | 11195338 | 11092426 | 11147504 | 0.47   | cps   |
| Indium     | 115-2 | 2504637  | 2507125  | 2489675  | 2500479  | 0.38   | cps   |
| Iron       | 56-2  | 8114357  | 8174988  | 8137147  | 8142164  | 0.38   | cps   |
| Iron       | 57-2  | 198147   | 197865   | 198236   | 198083   | 0.10   | cps   |
| Lead       | 206-1 | 417886   | 415606   | 417211   | 416901   | 0.28   | cps   |
| Lead       | 207-1 | 381201   | 378017   | 385385   | 381534   | 0.97   | cps   |
| Lead       | 208-1 | 1705872  | 1695987  | 1711074  | 1704311  | 0.45   | cps   |
| Lithium    | 6-1   | 680570   | 686236   | 674033   | 680280   | 0.90   | cps   |
| Magnesium  | 24-2  | 1219579  | 1209539  | 1205819  | 1211646  | 0.59   | cps   |
| Manganese  | 55-2  | 219701   | 218909   | 218263   | 218958   | 0.33   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:28:19 | DataFile Name :   | 006CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 526090   | 531312   | 524941   | 527448   | 0.64   | cps   |
| Molybdenum | 95-1  | 280074   | 279743   | 277269   | 279029   | 0.55   | cps   |
| Molybdenum | 96-1  | 361677   | 359449   | 352176   | 357767   | 1.39   | cps   |
| Molybdenum | 97-1  | 173588   | 172567   | 174564   | 173573   | 0.58   | cps   |
| Molybdenum | 98-1  | 450524   | 445995   | 442841   | 446453   | 0.86   | cps   |
| Neodymium  | 150-1 | 20       | 60       | 53       | 44       | 48.22  | cps   |
| Neodymium  | 150-2 | 0        | 7        | 7        | 4        | 86.60  | cps   |
| Nickel     | 60-2  | 84449    | 85541    | 84042    | 84677    | 0.92   | cps   |
| Phosphorus | 31-2  | 6427     | 6794     | 7294     | 6838     | 6.37   | cps   |
| Potassium  | 39-2  | 779502   | 776806   | 774494   | 776934   | 0.32   | cps   |
| Rhodium    | 103-2 | 5067162  | 5111764  | 5071310  | 5083412  | 0.48   | cps   |
| Rhodium    | 103-1 | 10356158 | 10334620 | 10345262 | 10345347 | 0.10   | cps   |
| Scandium   | 45-1  | 6430115  | 6399342  | 6386477  | 6405311  | 0.35   | cps   |
| Scandium   | 45-2  | 335114   | 335738   | 332750   | 334534   | 0.47   | cps   |
| Selenium   | 77-2  | 497      | 467      | 413      | 459      | 9.20   | cps   |
| Selenium   | 78-2  | 1771     | 1669     | 1752     | 1730     | 3.14   | cps   |
| Selenium   | 82-1  | 8385     | 8231     | 8185     | 8267     | 1.27   | cps   |
| Silicon    | 28-1  | 1412397  | 1410532  | 1421090  | 1414673  | 0.40   | cps   |
| Silver     | 109-1 | 704597   | 706508   | 698534   | 703213   | 0.59   | cps   |
| Silver     | 107-1 | 731283   | 733331   | 726086   | 730233   | 0.51   | cps   |
| Sodium     | 23-2  | 2287829  | 2270047  | 2263050  | 2273642  | 0.56   | cps   |
| Strontium  | 86-1  | 199820   | 197051   | 198420   | 198430   | 0.70   | cps   |
| Strontium  | 88-1  | 1697275  | 1702087  | 1691105  | 1696822  | 0.32   | cps   |
| Sulfur     | 34-1  | 634859   | 634968   | 629255   | 633027   | 0.52   | cps   |
| Terbium    | 159-1 | 13501553 | 13543947 | 13383896 | 13476465 | 0.62   | cps   |
| Terbium    | 159-2 | 7367552  | 7309682  | 7364584  | 7347273  | 0.44   | cps   |
| Thallium   | 203-1 | 521330   | 524825   | 511846   | 519334   | 1.29   | cps   |
| Thallium   | 205-1 | 1247803  | 1245309  | 1226623  | 1239912  | 0.93   | cps   |
| Tin        | 118-1 | 485913   | 482364   | 481372   | 483216   | 0.49   | cps   |
| Titanium   | 47-1  | 76633    | 76758    | 76708    | 76700    | 0.08   | cps   |
| Uranium    | 238-1 | 1632380  | 1657960  | 1621017  | 1637119  | 1.16   | cps   |
| Vanadium   | 51-2  | 162454   | 159578   | 160735   | 160922   | 0.90   | cps   |
| Yttrium    | 89-2  | 1924250  | 1935006  | 1937184  | 1932147  | 0.36   | cps   |
| Yttrium    | 89-1  | 11672942 | 11574389 | 11558779 | 11602037 | 0.53   | cps   |
| Zinc       | 66-2  | 62091    | 63096    | 62647    | 62611    | 0.80   | cps   |
| Zirconium  | 90-1  | 1004047  | 998543   | 996075   | 999555   | 0.41   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:28:19 | DataFile Name :   | 006CALS_P7033117.D |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 225420 | 229402 | 223578 | 226134  | 1.32   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:31:58 | DataFile Name :   | 007CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 252133   | 250101   | 249742   | 250659   | 0.51   | cps   |
| Antimony   | 121-1 | 1378988  | 1374263  | 1349928  | 1367726  | 1.14   | cps   |
| Arsenic    | 75-2  | 60864    | 61745    | 61898    | 61502    | 0.91   | cps   |
| Barium     | 135-1 | 1794263  | 1795652  | 1785559  | 1791825  | 0.31   | cps   |
| Barium     | 137-1 | 3108142  | 3126456  | 3123592  | 3119397  | 0.32   | cps   |
| Beryllium  | 9-1   | 153013   | 151134   | 151740   | 151962   | 0.63   | cps   |
| Bismuth    | 209-1 | 8068700  | 8129664  | 8034095  | 8077486  | 0.60   | cps   |
| Bismuth    | 209-2 | 5626414  | 5650083  | 5629459  | 5635319  | 0.23   | cps   |
| Boron      | 10-1  | 19680    | 19572    | 21040    | 20097    | 4.07   | cps   |
| Boron      | 11-1  | 103309   | 107858   | 105818   | 105662   | 2.16   | cps   |
| Cadmium    | 106-1 | 43861    | 43092    | 42758    | 43237    | 1.31   | cps   |
| Cadmium    | 108-1 | 26108    | 26667    | 26200    | 26325    | 1.14   | cps   |
| Cadmium    | 111-1 | 364007   | 364502   | 365605   | 364705   | 0.22   | cps   |
| Calcium    | 43-1  | 383300   | 389217   | 389092   | 387203   | 0.87   | cps   |
| Calcium    | 44-1  | 6394372  | 6429080  | 6355411  | 6392954  | 0.58   | cps   |
| Chromium   | 52-2  | 474889   | 476600   | 475944   | 475811   | 0.18   | cps   |
| Cobalt     | 59-2  | 782323   | 788799   | 785690   | 785604   | 0.41   | cps   |
| Copper     | 63-2  | 1128149  | 1138009  | 1137160  | 1134439  | 0.48   | cps   |
| Dysprosium | 156-2 | 10       | 17       | 10       | 12       | 31.50  | cps   |
| Dysprosium | 156-1 | 42       | 42       | 108      | 64       | 60.24  | cps   |
| Erbium     | 164-1 | 67       | 67       | 83       | 72       | 13.33  | cps   |
| Erbium     | 164-2 | 37       | 27       | 17       | 27       | 37.50  | cps   |
| Gadolinium | 160-2 | 37       | 40       | 37       | 38       | 5.09   | cps   |
| Gadolinium | 160-1 | 92       | 125      | 125      | 114      | 16.90  | cps   |
| Holmium    | 165-2 | 7492292  | 7434660  | 7391704  | 7439552  | 0.68   | cps   |
| Holmium    | 165-1 | 12991967 | 12980034 | 13095639 | 13022547 | 0.49   | cps   |
| Indium     | 115-1 | 11060646 | 10936261 | 11012070 | 11002992 | 0.57   | cps   |
| Indium     | 115-2 | 2472010  | 2484503  | 2461716  | 2472743  | 0.46   | cps   |
| Iron       | 56-2  | 20025846 | 20177250 | 20196983 | 20133360 | 0.47   | cps   |
| Iron       | 57-2  | 482555   | 488373   | 487890   | 486273   | 0.66   | cps   |
| Lead       | 206-1 | 1037935  | 1053509  | 1042274  | 1044573  | 0.77   | cps   |
| Lead       | 207-1 | 939992   | 955669   | 952921   | 949528   | 0.88   | cps   |
| Lead       | 208-1 | 4234958  | 4302518  | 4263489  | 4266988  | 0.79   | cps   |
| Lithium    | 6-1   | 675152   | 671802   | 668117   | 671690   | 0.52   | cps   |
| Magnesium  | 24-2  | 2995571  | 2994070  | 2987599  | 2992413  | 0.14   | cps   |
| Manganese  | 55-2  | 540743   | 545152   | 545082   | 543659   | 0.46   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:31:58 | DataFile Name :   | 007CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 1327079  | 1329968  | 1327056  | 1328034  | 0.13   | cps   |
| Molybdenum | 95-1  | 708478   | 703524   | 701708   | 704570   | 0.50   | cps   |
| Molybdenum | 96-1  | 913309   | 903497   | 905879   | 907562   | 0.56   | cps   |
| Molybdenum | 97-1  | 443000   | 439121   | 442098   | 441406   | 0.46   | cps   |
| Molybdenum | 98-1  | 1146369  | 1135580  | 1132267  | 1138072  | 0.65   | cps   |
| Neodymium  | 150-1 | 107      | 113      | 140      | 120      | 14.70  | cps   |
| Neodymium  | 150-2 | 3        | 23       | 20       | 16       | 68.90  | cps   |
| Nickel     | 60-2  | 208781   | 209582   | 207175   | 208512   | 0.59   | cps   |
| Phosphorus | 31-2  | 15842    | 15534    | 15625    | 15667    | 1.01   | cps   |
| Potassium  | 39-2  | 1816097  | 1820541  | 1829360  | 1821999  | 0.37   | cps   |
| Rhodium    | 103-2 | 5021529  | 5022848  | 5022069  | 5022149  | 0.01   | cps   |
| Rhodium    | 103-1 | 10263458 | 10131079 | 10173553 | 10189363 | 0.66   | cps   |
| Scandium   | 45-1  | 6377722  | 6398344  | 6345848  | 6373971  | 0.41   | cps   |
| Scandium   | 45-2  | 327520   | 333436   | 332044   | 331000   | 0.93   | cps   |
| Selenium   | 77-2  | 1153     | 1237     | 1280     | 1223     | 5.26   | cps   |
| Selenium   | 78-2  | 4027     | 4143     | 4191     | 4120     | 2.06   | cps   |
| Selenium   | 82-1  | 21344    | 20912    | 20771    | 21009    | 1.42   | cps   |
| Silicon    | 28-1  | 1920136  | 1938228  | 1939092  | 1932485  | 0.55   | cps   |
| Silver     | 109-1 | 1746748  | 1754685  | 1758014  | 1753149  | 0.33   | cps   |
| Silver     | 107-1 | 1817365  | 1823345  | 1813003  | 1817904  | 0.29   | cps   |
| Sodium     | 23-2  | 5644105  | 5665033  | 5688866  | 5666001  | 0.40   | cps   |
| Strontium  | 86-1  | 491677   | 496710   | 491588   | 493325   | 0.59   | cps   |
| Strontium  | 88-1  | 4256367  | 4282516  | 4260522  | 4266468  | 0.33   | cps   |
| Sulfur     | 34-1  | 694847   | 690375   | 681060   | 688761   | 1.02   | cps   |
| Terbium    | 159-1 | 13573071 | 13712010 | 13696055 | 13660379 | 0.56   | cps   |
| Terbium    | 159-2 | 7391513  | 7403291  | 7326524  | 7373776  | 0.56   | cps   |
| Thallium   | 203-1 | 1307849  | 1299089  | 1300708  | 1302549  | 0.36   | cps   |
| Thallium   | 205-1 | 3106998  | 3130208  | 3122954  | 3120053  | 0.38   | cps   |
| Tin        | 118-1 | 1207757  | 1206898  | 1209391  | 1208015  | 0.10   | cps   |
| Titanium   | 47-1  | 189586   | 189629   | 188581   | 189265   | 0.31   | cps   |
| Uranium    | 238-1 | 4101763  | 4161095  | 4144307  | 4135722  | 0.74   | cps   |
| Vanadium   | 51-2  | 400154   | 401784   | 399433   | 400457   | 0.30   | cps   |
| Yttrium    | 89-2  | 1919068  | 1920622  | 1923338  | 1921010  | 0.11   | cps   |
| Yttrium    | 89-1  | 11624968 | 11625629 | 11603973 | 11618190 | 0.11   | cps   |
| Zinc       | 66-2  | 153277   | 154436   | 154247   | 153987   | 0.40   | cps   |
| Zirconium  | 90-1  | 2531942  | 2532407  | 2529802  | 2531384  | 0.05   | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:31:58 | DataFile Name :   | 007CALS_P7033117.D |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 568255 | 567233 | 567531 | 567673  | 0.09   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:35:35 | DataFile Name :   | 008CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 491777   | 487692   | 493966   | 491145   | 0.65   | cps   |
| Antimony   | 121-1 | 2889148  | 2882956  | 2854998  | 2875701  | 0.63   | cps   |
| Arsenic    | 75-2  | 121638   | 121995   | 123422   | 122352   | 0.77   | cps   |
| Barium     | 135-1 | 3589881  | 3603496  | 3607631  | 3600336  | 0.26   | cps   |
| Barium     | 137-1 | 6290356  | 6299152  | 6320548  | 6303352  | 0.25   | cps   |
| Beryllium  | 9-1   | 297470   | 297307   | 298033   | 297603   | 0.13   | cps   |
| Bismuth    | 209-1 | 8011301  | 8207172  | 8157689  | 8125387  | 1.25   | cps   |
| Bismuth    | 209-2 | 5644974  | 5626700  | 5658055  | 5643243  | 0.28   | cps   |
| Boron      | 10-1  | 40196    | 40689    | 40472    | 40452    | 0.61   | cps   |
| Boron      | 11-1  | 207013   | 208138   | 211980   | 209044   | 1.25   | cps   |
| Cadmium    | 106-1 | 81292    | 82456    | 80403    | 81384    | 1.26   | cps   |
| Cadmium    | 108-1 | 51715    | 52531    | 51548    | 51931    | 1.01   | cps   |
| Cadmium    | 111-1 | 716139   | 726750   | 723095   | 721995   | 0.75   | cps   |
| Calcium    | 43-1  | 763737   | 774539   | 765163   | 767813   | 0.76   | cps   |
| Calcium    | 44-1  | 12748102 | 12659001 | 12694901 | 12700668 | 0.35   | cps   |
| Chromium   | 52-2  | 937829   | 934672   | 945563   | 939354   | 0.60   | cps   |
| Cobalt     | 59-2  | 1556181  | 1559682  | 1562421  | 1559428  | 0.20   | cps   |
| Copper     | 63-2  | 2243110  | 2252331  | 2260757  | 2252066  | 0.39   | cps   |
| Dysprosium | 156-2 | 40       | 17       | 27       | 28       | 42.13  | cps   |
| Dysprosium | 156-1 | 83       | 117      | 67       | 89       | 28.64  | cps   |
| Erbium     | 164-1 | 58       | 75       | 50       | 61       | 20.83  | cps   |
| Erbium     | 164-2 | 33       | 47       | 40       | 40       | 16.68  | cps   |
| Gadolinium | 160-2 | 87       | 37       | 70       | 64       | 39.50  | cps   |
| Gadolinium | 160-1 | 175      | 117      | 192      | 161      | 24.45  | cps   |
| Holmium    | 165-2 | 7503832  | 7513712  | 7462576  | 7493373  | 0.36   | cps   |
| Holmium    | 165-1 | 13134620 | 13147984 | 13224699 | 13169101 | 0.37   | cps   |
| Indium     | 115-1 | 10996927 | 11113037 | 10993530 | 11034498 | 0.62   | cps   |
| Indium     | 115-2 | 2463561  | 2466480  | 2473147  | 2467729  | 0.20   | cps   |
| Iron       | 56-2  | 39888809 | 40101654 | 40035466 | 40008643 | 0.27   | cps   |
| Iron       | 57-2  | 969338   | 967331   | 973503   | 970057   | 0.32   | cps   |
| Lead       | 206-1 | 2093751  | 2110818  | 2112688  | 2105752  | 0.50   | cps   |
| Lead       | 207-1 | 1920753  | 1904917  | 1917182  | 1914284  | 0.43   | cps   |
| Lead       | 208-1 | 8546018  | 8572201  | 8625611  | 8581276  | 0.47   | cps   |
| Lithium    | 6-1   | 666067   | 667300   | 662753   | 665373   | 0.35   | cps   |
| Magnesium  | 24-2  | 6023998  | 6006992  | 6042655  | 6024548  | 0.30   | cps   |
| Manganese  | 55-2  | 1071051  | 1067332  | 1077065  | 1071816  | 0.46   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:35:35 | DataFile Name :   | 008CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 2684456  | 2677370  | 2647465  | 2669764  | 0.74   | cps   |
| Molybdenum | 95-1  | 1420252  | 1418895  | 1402770  | 1413973  | 0.69   | cps   |
| Molybdenum | 96-1  | 1817603  | 1820820  | 1814675  | 1817700  | 0.17   | cps   |
| Molybdenum | 97-1  | 883186   | 875169   | 868787   | 875714   | 0.82   | cps   |
| Molybdenum | 98-1  | 2288148  | 2279928  | 2257015  | 2275030  | 0.71   | cps   |
| Neodymium  | 150-1 | 200      | 200      | 207      | 202      | 1.90   | cps   |
| Neodymium  | 150-2 | 20       | 27       | 40       | 29       | 35.25  | cps   |
| Nickel     | 60-2  | 413787   | 409825   | 416543   | 413385   | 0.82   | cps   |
| Phosphorus | 31-2  | 30958    | 30883    | 29872    | 30571    | 1.98   | cps   |
| Potassium  | 39-2  | 3549656  | 3544058  | 3544234  | 3545983  | 0.09   | cps   |
| Rhodium    | 103-2 | 4990629  | 5003869  | 5001675  | 4998724  | 0.14   | cps   |
| Rhodium    | 103-1 | 10091189 | 10241709 | 10088436 | 10140445 | 0.86   | cps   |
| Scandium   | 45-1  | 6400213  | 6398100  | 6298956  | 6365757  | 0.91   | cps   |
| Scandium   | 45-2  | 329387   | 329914   | 328448   | 329250   | 0.23   | cps   |
| Selenium   | 77-2  | 2347     | 2340     | 2254     | 2314     | 2.25   | cps   |
| Selenium   | 78-2  | 8082     | 7958     | 8091     | 8044     | 0.93   | cps   |
| Selenium   | 82-1  | 41988    | 41910    | 41319    | 41739    | 0.88   | cps   |
| Silicon    | 28-1  | 2769306  | 2778726  | 2788530  | 2778854  | 0.35   | cps   |
| Silver     | 109-1 | 3456625  | 3468356  | 3489437  | 3471473  | 0.48   | cps   |
| Silver     | 107-1 | 3573679  | 3600267  | 3592102  | 3588683  | 0.38   | cps   |
| Sodium     | 23-2  | 11249264 | 11167765 | 11200056 | 11205695 | 0.37   | cps   |
| Strontium  | 86-1  | 975973   | 978997   | 982310   | 979093   | 0.32   | cps   |
| Strontium  | 88-1  | 8650718  | 8625961  | 8581680  | 8619453  | 0.41   | cps   |
| Sulfur     | 34-1  | 768535   | 765954   | 774720   | 769736   | 0.59   | cps   |
| Terbium    | 159-1 | 13761118 | 13869399 | 13580812 | 13737110 | 1.06   | cps   |
| Terbium    | 159-2 | 7470471  | 7346593  | 7403762  | 7406942  | 0.84   | cps   |
| Thallium   | 203-1 | 2615726  | 2600025  | 2611942  | 2609231  | 0.31   | cps   |
| Thallium   | 205-1 | 6274410  | 6340914  | 6288317  | 6301214  | 0.56   | cps   |
| Tin        | 118-1 | 2406372  | 2436788  | 2410071  | 2417744  | 0.69   | cps   |
| Titanium   | 47-1  | 375577   | 371164   | 373730   | 373490   | 0.59   | cps   |
| Uranium    | 238-1 | 8416153  | 8421981  | 8509124  | 8449086  | 0.62   | cps   |
| Vanadium   | 51-2  | 791340   | 794503   | 793672   | 793172   | 0.21   | cps   |
| Yttrium    | 89-2  | 1912458  | 1911482  | 1924223  | 1916054  | 0.37   | cps   |
| Yttrium    | 89-1  | 11604683 | 11612513 | 11574892 | 11597363 | 0.17   | cps   |
| Zinc       | 66-2  | 304169   | 307047   | 305592   | 305603   | 0.47   | cps   |
| Zirconium  | 90-1  | 5065906  | 5096625  | 5076356  | 5079629  | 0.31   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:35:35 | DataFile Name :   | 008CALS_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1132936 | 1135373 | 1135722 | 1134677 | 0.13   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:39:12 | DataFile Name :   | 009CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 950561   | 961921   | 955228   | 955903   | 0.60   | cps   |
| Antimony   | 121-1 | 5867614  | 5873306  | 5827229  | 5856049  | 0.43   | cps   |
| Arsenic    | 75-2  | 240168   | 240770   | 239675   | 240204   | 0.23   | cps   |
| Barium     | 135-1 | 7300222  | 7222388  | 7178915  | 7233842  | 0.85   | cps   |
| Barium     | 137-1 | 12563617 | 12479359 | 12462044 | 12501673 | 0.43   | cps   |
| Beryllium  | 9-1   | 581150   | 578685   | 573391   | 577742   | 0.69   | cps   |
| Bismuth    | 209-1 | 8106564  | 8080488  | 8137412  | 8108155  | 0.35   | cps   |
| Bismuth    | 209-2 | 5547148  | 5553784  | 5616813  | 5572582  | 0.69   | cps   |
| Boron      | 10-1  | 76619    | 78907    | 77674    | 77733    | 1.47   | cps   |
| Boron      | 11-1  | 401924   | 408128   | 407077   | 405710   | 0.82   | cps   |
| Cadmium    | 106-1 | 157127   | 156177   | 155226   | 156176   | 0.61   | cps   |
| Cadmium    | 108-1 | 102282   | 102475   | 102584   | 102447   | 0.15   | cps   |
| Cadmium    | 111-1 | 1412888  | 1413659  | 1404371  | 1410306  | 0.37   | cps   |
| Calcium    | 43-1  | 1504330  | 1482011  | 1500776  | 1495706  | 0.80   | cps   |
| Calcium    | 44-1  | 24821848 | 24679046 | 24830796 | 24777230 | 0.34   | cps   |
| Chromium   | 52-2  | 1830572  | 1840725  | 1836568  | 1835955  | 0.28   | cps   |
| Cobalt     | 59-2  | 3014866  | 3044895  | 3042507  | 3034089  | 0.55   | cps   |
| Copper     | 63-2  | 4355563  | 4385956  | 4382177  | 4374565  | 0.38   | cps   |
| Dysprosium | 156-2 | 57       | 87       | 53       | 66       | 28.01  | cps   |
| Dysprosium | 156-1 | 217      | 175      | 100      | 164      | 36.07  | cps   |
| Erbium     | 164-1 | 125      | 58       | 58       | 81       | 47.78  | cps   |
| Erbium     | 164-2 | 70       | 50       | 60       | 60       | 16.67  | cps   |
| Gadolinium | 160-2 | 87       | 107      | 57       | 83       | 30.20  | cps   |
| Gadolinium | 160-1 | 258      | 192      | 192      | 214      | 18.00  | cps   |
| Holmium    | 165-2 | 7423634  | 7409254  | 7402637  | 7411842  | 0.14   | cps   |
| Holmium    | 165-1 | 13246022 | 13196975 | 13268582 | 13237193 | 0.28   | cps   |
| Indium     | 115-1 | 10822009 | 10853471 | 10753135 | 10809538 | 0.47   | cps   |
| Indium     | 115-2 | 2378379  | 2399387  | 2411876  | 2396547  | 0.71   | cps   |
| Iron       | 56-2  | 77484724 | 77905721 | 77912363 | 77767603 | 0.32   | cps   |
| Iron       | 57-2  | 1879526  | 1885456  | 1898193  | 1887725  | 0.51   | cps   |
| Lead       | 206-1 | 4187445  | 4188735  | 4188298  | 4188159  | 0.02   | cps   |
| Lead       | 207-1 | 3833369  | 3828156  | 3844406  | 3835310  | 0.22   | cps   |
| Lead       | 208-1 | 17339849 | 17189680 | 17131610 | 17220380 | 0.62   | cps   |
| Lithium    | 6-1   | 648914   | 648996   | 647265   | 648392   | 0.15   | cps   |
| Magnesium  | 24-2  | 11687705 | 11754593 | 11770740 | 11737679 | 0.38   | cps   |
| Manganese  | 55-2  | 2086003  | 2082310  | 2097820  | 2088711  | 0.39   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:39:12 | DataFile Name :   | 009CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5203917  | 5255555  | 5245069  | 5234847  | 0.52   | cps   |
| Molybdenum | 95-1  | 2783599  | 2809093  | 2773187  | 2788626  | 0.66   | cps   |
| Molybdenum | 96-1  | 3600540  | 3609585  | 3591837  | 3600654  | 0.25   | cps   |
| Molybdenum | 97-1  | 1734926  | 1734656  | 1730517  | 1733366  | 0.14   | cps   |
| Molybdenum | 98-1  | 4508848  | 4482209  | 4472217  | 4487758  | 0.42   | cps   |
| Neodymium  | 150-1 | 540      | 420      | 400      | 453      | 16.70  | cps   |
| Neodymium  | 150-2 | 93       | 77       | 110      | 93       | 17.85  | cps   |
| Nickel     | 60-2  | 794645   | 799725   | 802264   | 798878   | 0.49   | cps   |
| Phosphorus | 31-2  | 59428    | 58968    | 60097    | 59497    | 0.95   | cps   |
| Potassium  | 39-2  | 6944631  | 6906433  | 6964210  | 6938425  | 0.42   | cps   |
| Rhodium    | 103-2 | 4841692  | 4863549  | 4916846  | 4874029  | 0.79   | cps   |
| Rhodium    | 103-1 | 9851143  | 9875128  | 9850753  | 9859008  | 0.14   | cps   |
| Scandium   | 45-1  | 6248260  | 6200584  | 6182223  | 6210356  | 0.55   | cps   |
| Scandium   | 45-2  | 322971   | 322825   | 325111   | 323635   | 0.40   | cps   |
| Selenium   | 77-2  | 4607     | 4597     | 4527     | 4577     | 0.95   | cps   |
| Selenium   | 78-2  | 15681    | 15297    | 15516    | 15498    | 1.24   | cps   |
| Selenium   | 82-1  | 82144    | 82718    | 80873    | 81912    | 1.15   | cps   |
| Silicon    | 28-1  | 3625136  | 3622690  | 3644310  | 3630712  | 0.33   | cps   |
| Silver     | 109-1 | 6871449  | 6951080  | 6865682  | 6896070  | 0.69   | cps   |
| Silver     | 107-1 | 7229515  | 7234694  | 7251810  | 7238673  | 0.16   | cps   |
| Sodium     | 23-2  | 21745200 | 21899196 | 21970723 | 21871707 | 0.53   | cps   |
| Strontium  | 86-1  | 1914075  | 1916969  | 1922286  | 1917777  | 0.22   | cps   |
| Strontium  | 88-1  | 16873668 | 16845829 | 16774468 | 16831322 | 0.30   | cps   |
| Sulfur     | 34-1  | 968168   | 957829   | 954132   | 960043   | 0.76   | cps   |
| Terbium    | 159-1 | 13830898 | 13749958 | 13758771 | 13779876 | 0.32   | cps   |
| Terbium    | 159-2 | 7374625  | 7415764  | 7384960  | 7391783  | 0.29   | cps   |
| Thallium   | 203-1 | 5275441  | 5275676  | 5258568  | 5269895  | 0.19   | cps   |
| Thallium   | 205-1 | 12628875 | 12507831 | 12624538 | 12587081 | 0.55   | cps   |
| Tin        | 118-1 | 4767120  | 4780312  | 4784868  | 4777433  | 0.19   | cps   |
| Titanium   | 47-1  | 738131   | 735294   | 733174   | 735533   | 0.34   | cps   |
| Uranium    | 238-1 | 17022065 | 17087732 | 17055850 | 17055216 | 0.19   | cps   |
| Vanadium   | 51-2  | 1539587  | 1553415  | 1557245  | 1550082  | 0.60   | cps   |
| Yttrium    | 89-2  | 1870787  | 1876044  | 1895550  | 1880794  | 0.69   | cps   |
| Yttrium    | 89-1  | 11410525 | 11383269 | 11364670 | 11386155 | 0.20   | cps   |
| Zinc       | 66-2  | 594612   | 591235   | 595022   | 593623   | 0.35   | cps   |
| Zirconium  | 90-1  | 10305787 | 10150980 | 10099529 | 10185432 | 1.05   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:39:12 | DataFile Name :   | 009CALS_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2228655 | 2239386 | 2220969 | 2229670 | 0.41   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:42:47 | DataFile Name :   | 010CAL5_P7033117.D |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 1909129   | 1893521   | 1907619   | 1903423   | 0.45   | cps   |
| Antimony   | 121-1 | 12454098  | 12347483  | 12513789  | 12438456  | 0.68   | cps   |
| Arsenic    | 75-2  | 484310    | 481800    | 485507    | 483872    | 0.39   | cps   |
| Barium     | 135-1 | 14272453  | 14309260  | 14497791  | 14359835  | 0.84   | cps   |
| Barium     | 137-1 | 24893701  | 24772744  | 24947638  | 24871361  | 0.36   | cps   |
| Beryllium  | 9-1   | 1141842   | 1136574   | 1127208   | 1135208   | 0.65   | cps   |
| Bismuth    | 209-1 | 8249625   | 8135806   | 8163950   | 8183127   | 0.72   | cps   |
| Bismuth    | 209-2 | 5536528   | 5507922   | 5539942   | 5528131   | 0.32   | cps   |
| Boron      | 10-1  | 155550    | 155694    | 154801    | 155348    | 0.31   | cps   |
| Boron      | 11-1  | 800243    | 809885    | 809438    | 806522    | 0.67   | cps   |
| Cadmium    | 106-1 | 303813    | 306112    | 305718    | 305214    | 0.40   | cps   |
| Cadmium    | 108-1 | 201741    | 203133    | 202388    | 202421    | 0.34   | cps   |
| Cadmium    | 111-1 | 2788489   | 2790809   | 2783068   | 2787455   | 0.14   | cps   |
| Calcium    | 43-1  | 3002198   | 2996423   | 2994472   | 2997698   | 0.13   | cps   |
| Calcium    | 44-1  | 49286344  | 49679027  | 49304289  | 49423220  | 0.45   | cps   |
| Chromium   | 52-2  | 3655377   | 3650882   | 3674510   | 3660256   | 0.34   | cps   |
| Cobalt     | 59-2  | 6102859   | 6118235   | 6153467   | 6124854   | 0.42   | cps   |
| Copper     | 63-2  | 8848467   | 8776893   | 9007618   | 8877659   | 1.33   | cps   |
| Dysprosium | 156-2 | 47        | 77        | 63        | 62        | 24.16  | cps   |
| Dysprosium | 156-1 | 233       | 233       | 183       | 217       | 13.32  | cps   |
| Erbium     | 164-1 | 100       | 83        | 75        | 86        | 14.79  | cps   |
| Erbium     | 164-2 | 30        | 30        | 53        | 38        | 35.66  | cps   |
| Gadolinium | 160-2 | 80        | 97        | 87        | 88        | 9.56   | cps   |
| Gadolinium | 160-1 | 233       | 150       | 183       | 189       | 22.21  | cps   |
| Holmium    | 165-2 | 7535211   | 7434057   | 7510350   | 7493206   | 0.70   | cps   |
| Holmium    | 165-1 | 13344220  | 13126295  | 13478113  | 13316209  | 1.33   | cps   |
| Indium     | 115-1 | 10731325  | 10744925  | 10910440  | 10795563  | 0.92   | cps   |
| Indium     | 115-2 | 2368513   | 2365457   | 2372333   | 2368767   | 0.15   | cps   |
| Iron       | 56-2  | 156069242 | 153599009 | 154980420 | 154882891 | 0.80   | cps   |
| Iron       | 57-2  | 3737665   | 3738863   | 3773436   | 3749988   | 0.54   | cps   |
| Lead       | 206-1 | 8505884   | 8358823   | 8401362   | 8422023   | 0.90   | cps   |
| Lead       | 207-1 | 7837650   | 7764415   | 7734924   | 7778996   | 0.68   | cps   |
| Lead       | 208-1 | 34721470  | 34561508  | 34500757  | 34594578  | 0.33   | cps   |
| Lithium    | 6-1   | 634346    | 631466    | 635613    | 633808    | 0.34   | cps   |
| Magnesium  | 24-2  | 23321729  | 22993015  | 23216112  | 23176952  | 0.72   | cps   |
| Manganese  | 55-2  | 4169591   | 4140887   | 4175808   | 4162096   | 0.45   | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:42:47 | DataFile Name :   | 010CAL5_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 10733399 | 10858329 | 10837657 | 10809795 | 0.62   | cps   |
| Molybdenum | 95-1  | 5785696  | 5807514  | 5759083  | 5784098  | 0.42   | cps   |
| Molybdenum | 96-1  | 7450848  | 7468541  | 7350542  | 7423310  | 0.86   | cps   |
| Molybdenum | 97-1  | 3470649  | 3467561  | 3473872  | 3470694  | 0.09   | cps   |
| Molybdenum | 98-1  | 9329073  | 9200335  | 9141599  | 9223669  | 1.04   | cps   |
| Neodymium  | 150-1 | 913      | 707      | 733      | 784      | 14.33  | cps   |
| Neodymium  | 150-2 | 133      | 137      | 117      | 129      | 8.31   | cps   |
| Nickel     | 60-2  | 1563987  | 1574860  | 1582967  | 1573938  | 0.61   | cps   |
| Phosphorus | 31-2  | 119417   | 118610   | 116536   | 118188   | 1.26   | cps   |
| Potassium  | 39-2  | 13957322 | 13761396 | 13772148 | 13830288 | 0.80   | cps   |
| Rhodium    | 103-2 | 4833598  | 4829560  | 4847970  | 4837042  | 0.20   | cps   |
| Rhodium    | 103-1 | 9882447  | 9868145  | 9827117  | 9859236  | 0.29   | cps   |
| Scandium   | 45-1  | 6252551  | 6201531  | 6240808  | 6231630  | 0.43   | cps   |
| Scandium   | 45-2  | 327144   | 324878   | 327335   | 326452   | 0.42   | cps   |
| Selenium   | 77-2  | 9246     | 9060     | 9086     | 9131     | 1.11   | cps   |
| Selenium   | 78-2  | 30768    | 30016    | 30603    | 30462    | 1.30   | cps   |
| Selenium   | 82-1  | 163241   | 164185   | 164222   | 163883   | 0.34   | cps   |
| Silicon    | 28-1  | 6351217  | 6340895  | 6400580  | 6364230  | 0.50   | cps   |
| Silver     | 109-1 | 13859272 | 13725412 | 13761038 | 13781907 | 0.50   | cps   |
| Silver     | 107-1 | 14213457 | 14227265 | 14306485 | 14249069 | 0.35   | cps   |
| Sodium     | 23-2  | 43332385 | 43334581 | 43115131 | 43260699 | 0.29   | cps   |
| Strontium  | 86-1  | 3823999  | 3789007  | 3832125  | 3815043  | 0.60   | cps   |
| Strontium  | 88-1  | 33794078 | 33751672 | 33673809 | 33739853 | 0.18   | cps   |
| Sulfur     | 34-1  | 1398696  | 1398001  | 1403236  | 1399978  | 0.20   | cps   |
| Terbium    | 159-1 | 13879397 | 13780684 | 13727480 | 13795854 | 0.56   | cps   |
| Terbium    | 159-2 | 7504333  | 7369083  | 7354051  | 7409156  | 1.12   | cps   |
| Thallium   | 203-1 | 10686977 | 10628219 | 10737299 | 10684165 | 0.51   | cps   |
| Thallium   | 205-1 | 25104043 | 25037918 | 25432387 | 25191449 | 0.84   | cps   |
| Tin        | 118-1 | 9872517  | 9956217  | 10006623 | 9945119  | 0.68   | cps   |
| Titanium   | 47-1  | 1467169  | 1460667  | 1460069  | 1462635  | 0.27   | cps   |
| Uranium    | 238-1 | 34658542 | 34333698 | 34793236 | 34595159 | 0.68   | cps   |
| Vanadium   | 51-2  | 3103058  | 3105681  | 3125047  | 3111262  | 0.39   | cps   |
| Yttrium    | 89-2  | 1888860  | 1885698  | 1894346  | 1889635  | 0.23   | cps   |
| Yttrium    | 89-1  | 11520853 | 11396877 | 11514394 | 11477375 | 0.61   | cps   |
| Zinc       | 66-2  | 1168238  | 1164597  | 1169621  | 1167485  | 0.22   | cps   |
| Zirconium  | 90-1  | 20457774 | 20339881 | 20585907 | 20461187 | 0.60   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:42:47 | DataFile Name :   | 010CALS_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 4447748 | 4441275 | 4469045 | 4452689 | 0.33   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:46:19 | DataFile Name :   | 011CAL5_P7033117.D |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 10125278  | 10150087  | 10233111  | 10169492  | 0.56   | cps   |
| Antimony   | 121-1 | 62373     | 67630     | 71633     | 67212     | 6.91   | cps   |
| Arsenic    | 75-2  | 754       | 778       | 824       | 785       | 4.55   | cps   |
| Barium     | 135-1 | 5510      | 5218      | 4476      | 5068      | 10.52  | cps   |
| Barium     | 137-1 | 8603      | 8361      | 8311      | 8425      | 1.85   | cps   |
| Beryllium  | 9-1   | 344       | 300       | 211       | 285       | 23.81  | cps   |
| Bismuth    | 209-1 | 7221038   | 7312334   | 7399454   | 7310942   | 1.22   | cps   |
| Bismuth    | 209-2 | 5011465   | 5055186   | 5059006   | 5041885   | 0.52   | cps   |
| Boron      | 10-1  | 2542      | 2242      | 2509      | 2431      | 6.77   | cps   |
| Boron      | 11-1  | 13223     | 12481     | 12372     | 12692     | 3.65   | cps   |
| Cadmium    | 106-1 | 3692      | 3617      | 3551      | 3620      | 1.96   | cps   |
| Cadmium    | 108-1 | 50        | 71        | 75        | 65        | 20.52  | cps   |
| Cadmium    | 111-1 | 3141      | 2995      | 2908      | 3015      | 3.91   | cps   |
| Calcium    | 43-1  | 15541550  | 15661840  | 15605047  | 15602812  | 0.39   | cps   |
| Calcium    | 44-1  | 253144864 | 253411331 | 254705564 | 253753920 | 0.33   | cps   |
| Chromium   | 52-2  | 85473     | 84705     | 86224     | 85467     | 0.89   | cps   |
| Cobalt     | 59-2  | 7966      | 7599      | 7946      | 7837      | 2.63   | cps   |
| Copper     | 63-2  | 12812     | 12562     | 12352     | 12576     | 1.83   | cps   |
| Dysprosium | 156-2 | 67        | 103       | 147       | 106       | 37.94  | cps   |
| Dysprosium | 156-1 | 275       | 167       | 208       | 217       | 25.22  | cps   |
| Erbium     | 164-1 | 167       | 192       | 117       | 158       | 24.12  | cps   |
| Erbium     | 164-2 | 53        | 90        | 57        | 67        | 30.41  | cps   |
| Gadolinium | 160-2 | 113       | 110       | 127       | 117       | 7.56   | cps   |
| Gadolinium | 160-1 | 208       | 250       | 267       | 242       | 12.43  | cps   |
| Holmium    | 165-2 | 7387202   | 7347876   | 7377758   | 7370945   | 0.28   | cps   |
| Holmium    | 165-1 | 12969671  | 13052443  | 12859277  | 12960464  | 0.75   | cps   |
| Indium     | 115-1 | 10502493  | 10537021  | 10540370  | 10526628  | 0.20   | cps   |
| Indium     | 115-2 | 2358640   | 2345306   | 2370905   | 2358284   | 0.54   | cps   |
| Iron       | 56-2  | 785285284 | 774781951 | 788576084 | 782881106 | 0.92   | cps   |
| Iron       | 57-2  | 19614743  | 19354371  | 19656898  | 19542004  | 0.84   | cps   |
| Lead       | 206-1 | 16283     | 16310     | 16817     | 16470     | 1.83   | cps   |
| Lead       | 207-1 | 13763     | 14236     | 14091     | 14030     | 1.73   | cps   |
| Lead       | 208-1 | 64318     | 64919     | 65971     | 65069     | 1.29   | cps   |
| Lithium    | 6-1   | 610366    | 612284    | 618258    | 613636    | 0.67   | cps   |
| Magnesium  | 24-2  | 115992340 | 115923444 | 116718944 | 116211576 | 0.38   | cps   |
| Manganese  | 55-2  | 16683     | 16576     | 17013     | 16758     | 1.36   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:46:19 | DataFile Name :   | 011CAL5_P7033117.D |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Molybdenum | 94-1  | 19506     | 20949     | 23821     | 21425     | 10.25  | cps   |
| Molybdenum | 95-1  | 31528     | 33131     | 35738     | 33465     | 6.35   | cps   |
| Molybdenum | 96-1  | 38704     | 41227     | 45214     | 41715     | 7.87   | cps   |
| Molybdenum | 97-1  | 19873     | 20440     | 22435     | 20916     | 6.43   | cps   |
| Molybdenum | 98-1  | 47447     | 51871     | 57023     | 52113     | 9.20   | cps   |
| Neodymium  | 150-1 | 193       | 207       | 127       | 176       | 24.42  | cps   |
| Neodymium  | 150-2 | 73        | 63        | 110       | 82        | 29.88  | cps   |
| Nickel     | 60-2  | 21289     | 20702     | 20037     | 20676     | 3.03   | cps   |
| Phosphorus | 31-2  | 267       | 250       | 317       | 278       | 12.49  | cps   |
| Potassium  | 39-2  | 69996558  | 69329966  | 69867841  | 69731455  | 0.51   | cps   |
| Rhodium    | 103-2 | 4542929   | 4558141   | 4572169   | 4557746   | 0.32   | cps   |
| Rhodium    | 103-1 | 9139307   | 9228937   | 9265695   | 9211313   | 0.71   | cps   |
| Scandium   | 45-1  | 6256770   | 6242254   | 6307244   | 6268756   | 0.54   | cps   |
| Scandium   | 45-2  | 324681    | 325587    | 326262    | 325510    | 0.24   | cps   |
| Selenium   | 77-2  | 17        | 17        | 17        | 17        | 0.00   | cps   |
| Selenium   | 78-2  | 293       | 274       | 285       | 284       | 3.28   | cps   |
| Selenium   | 82-1  | 259       | 562       | 426       | 416       | 36.54  | cps   |
| Silicon    | 28-1  | 1505613   | 1535866   | 1553679   | 1531719   | 1.59   | cps   |
| Silver     | 109-1 | 2659      | 2509      | 2834      | 2667      | 6.10   | cps   |
| Silver     | 107-1 | 2992      | 2917      | 2792      | 2900      | 3.48   | cps   |
| Sodium     | 23-2  | 221075680 | 220790988 | 220350722 | 220739130 | 0.17   | cps   |
| Strontium  | 86-1  | 122847    | 121712    | 122502    | 122354    | 0.48   | cps   |
| Strontium  | 88-1  | 1028149   | 1029964   | 1038924   | 1032346   | 0.56   | cps   |
| Sulfur     | 34-1  | 511766    | 521393    | 530472    | 521210    | 1.79   | cps   |
| Terbium    | 159-1 | 13288174  | 13378468  | 13398102  | 13354915  | 0.44   | cps   |
| Terbium    | 159-2 | 7276849   | 7291136   | 7349643   | 7305876   | 0.53   | cps   |
| Thallium   | 203-1 | 5568      | 5326      | 4943      | 5279      | 5.97   | cps   |
| Thallium   | 205-1 | 13257     | 11906     | 11155     | 12106     | 8.80   | cps   |
| Tin        | 118-1 | 10363     | 10471     | 12089     | 10974     | 8.81   | cps   |
| Titanium   | 47-1  | 1025      | 1192      | 1317      | 1178      | 12.43  | cps   |
| Uranium    | 238-1 | 8086      | 8178      | 7177      | 7814      | 7.08   | cps   |
| Vanadium   | 51-2  | 1193      | 1147      | 1310      | 1217      | 6.92   | cps   |
| Yttrium    | 89-2  | 1866615   | 1872671   | 1896656   | 1878648   | 0.85   | cps   |
| Yttrium    | 89-1  | 11268277  | 11278326  | 11336073  | 11294225  | 0.32   | cps   |
| Zinc       | 66-2  | 13446     | 13486     | 12863     | 13265     | 2.63   | cps   |
| Zirconium  | 90-1  | 5343      | 5676      | 6102      | 5707      | 6.66   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                 |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 12:46:19 | DataFile Name :   | 011CALS_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 1400 | 1233 | 1217 | 1283    | 7.90   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P7  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 12:55:30 DataFile Name : 012ICV01\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 49441    | 48631    | 49500    | 49190    | 0.99   | cps   |
| Antimony   | 121-1 | 2435598  | 2452666  | 2459990  | 2449418  | 0.51   | cps   |
| Arsenic    | 75-2  | 96480    | 97977    | 97900    | 97453    | 0.87   | cps   |
| Barium     | 135-1 | 278113   | 275157   | 282129   | 278466   | 1.26   | cps   |
| Barium     | 137-1 | 478579   | 482740   | 481567   | 480962   | 0.45   | cps   |
| Beryllium  | 9-1   | 114484   | 114456   | 113063   | 114001   | 0.71   | cps   |
| Bismuth    | 209-1 | 8062845  | 8297864  | 8131657  | 8164122  | 1.48   | cps   |
| Bismuth    | 209-2 | 5680245  | 5731631  | 5683305  | 5698393  | 0.51   | cps   |
| Boron      | 10-1  | 85868    | 85886    | 84863    | 85539    | 0.68   | cps   |
| Boron      | 11-1  | 444783   | 449551   | 447952   | 447429   | 0.54   | cps   |
| Cadmium    | 106-1 | 56539    | 58689    | 56154    | 57127    | 2.39   | cps   |
| Cadmium    | 108-1 | 28608    | 29414    | 28930    | 28984    | 1.40   | cps   |
| Cadmium    | 111-1 | 288437   | 294420   | 291408   | 291421   | 1.03   | cps   |
| Calcium    | 43-1  | 65546    | 67020    | 68074    | 66880    | 1.90   | cps   |
| Calcium    | 44-1  | 1064549  | 1082237  | 1072973  | 1073253  | 0.82   | cps   |
| Chromium   | 52-2  | 362703   | 363761   | 367888   | 364784   | 0.75   | cps   |
| Cobalt     | 59-2  | 616859   | 624348   | 623803   | 621670   | 0.67   | cps   |
| Copper     | 63-2  | 448539   | 451115   | 450976   | 450210   | 0.32   | cps   |
| Dysprosium | 156-2 | 0        | 3        | 10       | 4        | 114.60 | cps   |
| Dysprosium | 156-1 | 17       | 25       | 33       | 25       | 33.32  | cps   |
| Erbium     | 164-1 | 133      | 108      | 133      | 125      | 11.55  | cps   |
| Erbium     | 164-2 | 53       | 63       | 87       | 68       | 25.24  | cps   |
| Gadolinium | 160-2 | 37       | 27       | 43       | 36       | 23.58  | cps   |
| Gadolinium | 160-1 | 158      | 75       | 167      | 133      | 38.02  | cps   |
| Holmium    | 165-2 | 7479311  | 7564435  | 7483335  | 7509027  | 0.64   | cps   |
| Holmium    | 165-1 | 12954829 | 13366551 | 13184390 | 13168590 | 1.57   | cps   |
| Indium     | 115-1 | 10835832 | 11135406 | 11068083 | 11013107 | 1.43   | cps   |
| Indium     | 115-2 | 2480191  | 2483400  | 2500938  | 2488176  | 0.45   | cps   |
| Iron       | 56-2  | 3070260  | 3099162  | 3109888  | 3093103  | 0.66   | cps   |
| Iron       | 57-2  | 75594    | 76119    | 77398    | 76370    | 1.21   | cps   |
| Lead       | 206-1 | 1649878  | 1663256  | 1660096  | 1657743  | 0.42   | cps   |
| Lead       | 207-1 | 1436070  | 1445446  | 1442541  | 1441352  | 0.33   | cps   |
| Lead       | 208-1 | 6571762  | 6645341  | 6595735  | 6604280  | 0.57   | cps   |
| Lithium    | 6-1   | 670894   | 675925   | 672774   | 673198   | 0.38   | cps   |
| Magnesium  | 24-2  | 276632   | 281700   | 277100   | 278477   | 1.01   | cps   |
| Manganese  | 55-2  | 212286   | 212372   | 212142   | 212267   | 0.05   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2017-03-31 12:55:30 | DataFile Name :   | 012ICV01_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5355739  | 5594935  | 5421995  | 5457556  | 2.26   | cps   |
| Molybdenum | 95-1  | 2848533  | 2886132  | 2866111  | 2866925  | 0.66   | cps   |
| Molybdenum | 96-1  | 3640493  | 3701177  | 3669961  | 3670543  | 0.83   | cps   |
| Molybdenum | 97-1  | 1751386  | 1788014  | 1765374  | 1768258  | 1.05   | cps   |
| Molybdenum | 98-1  | 4567421  | 4654147  | 4622766  | 4614778  | 0.95   | cps   |
| Neodymium  | 150-1 | 60       | 27       | 33       | 40       | 44.09  | cps   |
| Neodymium  | 150-2 | 13       | 3        | 0        | 6        | 124.93 | cps   |
| Nickel     | 60-2  | 163894   | 166509   | 166884   | 165762   | 0.98   | cps   |
| Phosphorus | 31-2  | 308      | 242      | 225      | 258      | 17.07  | cps   |
| Potassium  | 39-2  | 617639   | 619744   | 626731   | 621371   | 0.77   | cps   |
| Rhodium    | 103-2 | 5109839  | 5133464  | 5141895  | 5128399  | 0.32   | cps   |
| Rhodium    | 103-1 | 10324104 | 10570784 | 10389666 | 10428185 | 1.23   | cps   |
| Scandium   | 45-1  | 6385431  | 6518036  | 6483055  | 6462174  | 1.06   | cps   |
| Scandium   | 45-2  | 339515   | 340318   | 342305   | 340713   | 0.42   | cps   |
| Selenium   | 77-2  | 1833     | 1860     | 1940     | 1878     | 2.96   | cps   |
| Selenium   | 78-2  | 6450     | 6537     | 6305     | 6430     | 1.82   | cps   |
| Selenium   | 82-1  | 31969    | 32501    | 32300    | 32257    | 0.83   | cps   |
| Silicon    | 28-1  | 4230986  | 3544712  | 3544890  | 3773529  | 10.50  | cps   |
| Silver     | 109-1 | 1328950  | 1356142  | 1320881  | 1335324  | 1.38   | cps   |
| Silver     | 107-1 | 1389160  | 1407287  | 1397318  | 1397922  | 0.65   | cps   |
| Sodium     | 23-2  | 912848   | 920407   | 920051   | 917769   | 0.46   | cps   |
| Strontium  | 86-1  | 1907023  | 1931356  | 1924969  | 1921116  | 0.66   | cps   |
| Strontium  | 88-1  | 16839159 | 17190999 | 16900150 | 16976769 | 1.11   | cps   |
| Sulfur     | 34-1  | 565406   | 565304   | 558424   | 563045   | 0.71   | cps   |
| Terbium    | 159-1 | 13552996 | 13810767 | 13648628 | 13670797 | 0.95   | cps   |
| Terbium    | 159-2 | 7490358  | 7542186  | 7556982  | 7529842  | 0.46   | cps   |
| Thallium   | 203-1 | 2022012  | 2072636  | 2081395  | 2058681  | 1.56   | cps   |
| Thallium   | 205-1 | 4919698  | 4934168  | 4961660  | 4938509  | 0.43   | cps   |
| Tin        | 118-1 | 4789834  | 4862761  | 4915881  | 4856159  | 1.30   | cps   |
| Titanium   | 47-1  | 750706   | 762353   | 757554   | 756871   | 0.77   | cps   |
| Uranium    | 238-1 | 17799863 | 18024437 | 17814095 | 17879465 | 0.70   | cps   |
| Vanadium   | 51-2  | 307411   | 308142   | 312978   | 309510   | 0.98   | cps   |
| Yttrium    | 89-2  | 1930645  | 1956540  | 1962064  | 1949749  | 0.86   | cps   |
| Yttrium    | 89-1  | 11597386 | 11723304 | 11631743 | 11650811 | 0.56   | cps   |
| Zinc       | 66-2  | 120593   | 121977   | 122115   | 121562   | 0.69   | cps   |
| Zirconium  | 90-1  | 10391945 | 10585244 | 10547062 | 10508084 | 0.97   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2017-03-31 12:55:30 | DataFile Name :   | 012ICV01_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2264988 | 2293583 | 2290812 | 2283128 | 0.69   | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLICV0101           | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLICV0101           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:13:43 | DataFile Name :   | 014LCSE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1959     | 1900     | 1809     | 1889     | 4.00   | cps   |
| Antimony   | 121-1 | 24990    | 26609    | 27578    | 26392    | 4.96   | cps   |
| Arsenic    | 75-2  | 489      | 504      | 454      | 482      | 5.33   | cps   |
| Barium     | 135-1 | 24163    | 25157    | 24389    | 24570    | 2.12   | cps   |
| Barium     | 137-1 | 43210    | 42708    | 41856    | 42592    | 1.61   | cps   |
| Beryllium  | 9-1   | 1156     | 1339     | 1100     | 1198     | 10.43  | cps   |
| Bismuth    | 209-1 | 8098432  | 8168355  | 8064825  | 8110537  | 0.65   | cps   |
| Bismuth    | 209-2 | 5506651  | 5556737  | 5541547  | 5534978  | 0.46   | cps   |
| Boron      | 10-1  | 3476     | 3592     | 3517     | 3528     | 1.68   | cps   |
| Boron      | 11-1  | 19447    | 20615    | 19989    | 20017    | 2.92   | cps   |
| Cadmium    | 106-1 | 3401     | 3859     | 3892     | 3717     | 7.39   | cps   |
| Cadmium    | 108-1 | 163      | 158      | 246      | 189      | 26.13  | cps   |
| Cadmium    | 111-1 | 4634     | 5162     | 4978     | 4924     | 5.44   | cps   |
| Calcium    | 43-1  | 14316    | 14908    | 14508    | 14577    | 2.07   | cps   |
| Calcium    | 44-1  | 242203   | 240965   | 243311   | 242160   | 0.48   | cps   |
| Chromium   | 52-2  | 7622     | 7899     | 7952     | 7824     | 2.27   | cps   |
| Cobalt     | 59-2  | 5705     | 5621     | 5695     | 5673     | 0.80   | cps   |
| Copper     | 63-2  | 9016     | 9550     | 9276     | 9281     | 2.88   | cps   |
| Dysprosium | 156-2 | 0        | 0        | 7        | 2        | 173.21 | cps   |
| Dysprosium | 156-1 | 8        | 42       | 8        | 19       | 99.00  | cps   |
| Erbium     | 164-1 | 50       | 50       | 75       | 58       | 24.74  | cps   |
| Erbium     | 164-2 | 27       | 23       | 47       | 32       | 39.17  | cps   |
| Gadolinium | 160-2 | 47       | 43       | 40       | 43       | 7.70   | cps   |
| Gadolinium | 160-1 | 83       | 83       | 142      | 103      | 32.77  | cps   |
| Holmium    | 165-2 | 7411800  | 7456614  | 7363900  | 7410772  | 0.63   | cps   |
| Holmium    | 165-1 | 12979897 | 12913477 | 13169422 | 13020932 | 1.02   | cps   |
| Indium     | 115-1 | 11233708 | 11093193 | 11122461 | 11149787 | 0.66   | cps   |
| Indium     | 115-2 | 2444220  | 2488950  | 2493417  | 2475529  | 1.10   | cps   |
| Iron       | 56-2  | 144778   | 145519   | 147343   | 145880   | 0.90   | cps   |
| Iron       | 57-2  | 3795     | 3634     | 3701     | 3710     | 2.18   | cps   |
| Lead       | 206-1 | 10471    | 11261    | 10877    | 10870    | 3.63   | cps   |
| Lead       | 207-1 | 9287     | 10115    | 10010    | 9804     | 4.60   | cps   |
| Lead       | 208-1 | 42867    | 45042    | 44052    | 43987    | 2.47   | cps   |
| Lithium    | 6-1   | 691742   | 692292   | 691980   | 692005   | 0.04   | cps   |
| Magnesium  | 24-2  | 107040   | 105293   | 107728   | 106687   | 1.18   | cps   |
| Manganese  | 55-2  | 2080     | 2144     | 2057     | 2094     | 2.14   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLICV0101           | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLICV0101           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:13:43 | DataFile Name :   | 014LCSE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 20724    | 20699    | 19790    | 20404    | 2.61   | cps   |
| Molybdenum | 95-1  | 24964    | 25240    | 25590    | 25265    | 1.24   | cps   |
| Molybdenum | 96-1  | 27477    | 27711    | 27995    | 27728    | 0.94   | cps   |
| Molybdenum | 97-1  | 16060    | 16327    | 15301    | 15896    | 3.35   | cps   |
| Molybdenum | 98-1  | 40742    | 40776    | 41169    | 40896    | 0.58   | cps   |
| Neodymium  | 150-1 | 20       | 7        | 13       | 13       | 49.99  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 1797     | 1930     | 1830     | 1852     | 3.75   | cps   |
| Phosphorus | 31-2  | 383      | 375      | 392      | 383      | 2.17   | cps   |
| Potassium  | 39-2  | 190760   | 192440   | 191293   | 191498   | 0.45   | cps   |
| Rhodium    | 103-2 | 5036360  | 5078160  | 5080100  | 5064874  | 0.49   | cps   |
| Rhodium    | 103-1 | 10334230 | 10444734 | 10317133 | 10365365 | 0.67   | cps   |
| Scandium   | 45-1  | 6350206  | 6434162  | 6423301  | 6402556  | 0.71   | cps   |
| Scandium   | 45-2  | 332154   | 337785   | 335809   | 335250   | 0.85   | cps   |
| Selenium   | 77-2  | 43       | 57       | 67       | 56       | 21.08  | cps   |
| Selenium   | 78-2  | 344      | 356      | 330      | 343      | 3.79   | cps   |
| Selenium   | 82-1  | 857      | 951      | 792      | 867      | 9.25   | cps   |
| Silicon    | 28-1  | 1048039  | 1050669  | 1053089  | 1050599  | 0.24   | cps   |
| Silver     | 109-1 | 12948    | 12298    | 12973    | 12740    | 3.01   | cps   |
| Silver     | 107-1 | 12723    | 12815    | 12664    | 12734    | 0.59   | cps   |
| Sodium     | 23-2  | 241208   | 240468   | 239517   | 240398   | 0.35   | cps   |
| Strontium  | 86-1  | 7452     | 7827     | 7869     | 7716     | 2.98   | cps   |
| Strontium  | 88-1  | 30274    | 30859    | 29105    | 30080    | 2.97   | cps   |
| Sulfur     | 34-1  | 575968   | 575133   | 573996   | 575032   | 0.17   | cps   |
| Terbium    | 159-1 | 13702249 | 13479425 | 13707452 | 13629709 | 0.96   | cps   |
| Terbium    | 159-2 | 7441879  | 7399789  | 7470357  | 7437341  | 0.48   | cps   |
| Thallium   | 203-1 | 9087     | 9579     | 10104    | 9590     | 5.31   | cps   |
| Thallium   | 205-1 | 23572    | 23680    | 23664    | 23639    | 0.25   | cps   |
| Tin        | 118-1 | 44881    | 44747    | 44747    | 44792    | 0.17   | cps   |
| Titanium   | 47-1  | 6702     | 6460     | 7477     | 6880     | 7.72   | cps   |
| Uranium    | 238-1 | 30478    | 28816    | 30145    | 29813    | 2.95   | cps   |
| Vanadium   | 51-2  | 14277    | 14381    | 14431    | 14363    | 0.55   | cps   |
| Yttrium    | 89-2  | 1901157  | 1917014  | 1916340  | 1911504  | 0.47   | cps   |
| Yttrium    | 89-1  | 11540615 | 11653023 | 11722387 | 11638675 | 0.79   | cps   |
| Zinc       | 66-2  | 1433     | 1460     | 1373     | 1422     | 3.12   | cps   |
| Zirconium  | 90-1  | 17478    | 16660    | 16218    | 16785    | 3.81   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLICV0101           | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLICV0101           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:13:43 | DataFile Name :   | 014LCSE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 3792 | 3726 | 3951 | 3823    | 3.02   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 13:25:20 DataFile Name : 017CCBE\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 383      | 358      | 275      | 339      | 16.74  | cps   |
| Antimony   | 121-1 | 2117     | 2575     | 3059     | 2584     | 18.23  | cps   |
| Arsenic    | 75-2  | 37       | 46       | 52       | 45       | 16.60  | cps   |
| Barium     | 135-1 | 17       | 17       | 42       | 25       | 57.73  | cps   |
| Barium     | 137-1 | 42       | 83       | 42       | 56       | 43.30  | cps   |
| Beryllium  | 9-1   | 56       | 72       | 22       | 50       | 50.92  | cps   |
| Bismuth    | 209-1 | 8123166  | 8203929  | 8102898  | 8143331  | 0.66   | cps   |
| Bismuth    | 209-2 | 5544079  | 5503447  | 5610046  | 5552524  | 0.97   | cps   |
| Boron      | 10-1  | 225      | 258      | 217      | 233      | 9.45   | cps   |
| Boron      | 11-1  | 1942     | 1492     | 1558     | 1664     | 14.60  | cps   |
| Cadmium    | 106-1 | 3334     | 3651     | 3451     | 3478     | 4.60   | cps   |
| Cadmium    | 108-1 | 17       | 17       | 17       | 17       | 0.00   | cps   |
| Cadmium    | 111-1 | 2335     | 2569     | 2433     | 2445     | 4.81   | cps   |
| Calcium    | 43-1  | 658      | 517      | 617      | 597      | 12.19  | cps   |
| Calcium    | 44-1  | 25523    | 24713    | 24930    | 25056    | 1.67   | cps   |
| Chromium   | 52-2  | 827      | 850      | 747      | 808      | 6.71   | cps   |
| Cobalt     | 59-2  | 87       | 73       | 90       | 83       | 10.59  | cps   |
| Copper     | 63-2  | 1063     | 1073     | 1020     | 1052     | 2.69   | cps   |
| Dysprosium | 156-2 | 7        | 0        | 0        | 2        | 173.21 | cps   |
| Dysprosium | 156-1 | 8        | 17       | 42       | 22       | 78.07  | cps   |
| Erbium     | 164-1 | 50       | 58       | 50       | 53       | 9.12   | cps   |
| Erbium     | 164-2 | 27       | 37       | 17       | 27       | 37.50  | cps   |
| Gadolinium | 160-2 | 50       | 47       | 67       | 54       | 19.68  | cps   |
| Gadolinium | 160-1 | 100      | 100      | 83       | 94       | 10.19  | cps   |
| Holmium    | 165-2 | 7428410  | 7310810  | 7500987  | 7413402  | 1.29   | cps   |
| Holmium    | 165-1 | 13149313 | 12979119 | 13099017 | 13075816 | 0.67   | cps   |
| Indium     | 115-1 | 11084260 | 11109455 | 11116894 | 11103537 | 0.15   | cps   |
| Indium     | 115-2 | 2508231  | 2495874  | 2508158  | 2504087  | 0.28   | cps   |
| Iron       | 56-2  | 20810    | 20698    | 21038    | 20849    | 0.83   | cps   |
| Iron       | 57-2  | 500      | 500      | 522      | 507      | 2.53   | cps   |
| Lead       | 206-1 | 1989     | 1734     | 1734     | 1819     | 8.11   | cps   |
| Lead       | 207-1 | 1567     | 1550     | 1700     | 1606     | 5.12   | cps   |
| Lead       | 208-1 | 7546     | 7212     | 7251     | 7336     | 2.49   | cps   |
| Lithium    | 6-1   | 655683   | 653879   | 652158   | 653907   | 0.27   | cps   |
| Magnesium  | 24-2  | 683      | 858      | 892      | 811      | 13.80  | cps   |
| Manganese  | 55-2  | 87       | 40       | 40       | 56       | 48.50  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:25:20 | DataFile Name :   | 017CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 3701     | 4968     | 5835     | 4834     | 22.20  | cps   |
| Molybdenum | 95-1  | 5560     | 6919     | 8561     | 7013     | 21.43  | cps   |
| Molybdenum | 96-1  | 6418     | 7736     | 9595     | 7917     | 20.16  | cps   |
| Molybdenum | 97-1  | 3442     | 4493     | 5535     | 4490     | 23.30  | cps   |
| Molybdenum | 98-1  | 8878     | 11489    | 15034    | 11800    | 26.18  | cps   |
| Neodymium  | 150-1 | 7        | 7        | 7        | 7        | 0.00   | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 233      | 297      | 187      | 239      | 23.11  | cps   |
| Phosphorus | 31-2  | 283      | 250      | 375      | 303      | 21.38  | cps   |
| Potassium  | 39-2  | 64818    | 66508    | 66851    | 66059    | 1.65   | cps   |
| Rhodium    | 103-2 | 5088379  | 5060951  | 5143602  | 5097644  | 0.83   | cps   |
| Rhodium    | 103-1 | 10322480 | 10304508 | 10442603 | 10356530 | 0.72   | cps   |
| Scandium   | 45-1  | 6436053  | 6373544  | 6374422  | 6394673  | 0.56   | cps   |
| Scandium   | 45-2  | 331617   | 332749   | 335367   | 333245   | 0.58   | cps   |
| Selenium   | 77-2  | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 222      | 233      | 202      | 219      | 7.29   | cps   |
| Selenium   | 82-1  | -43      | 106      | 56       | 39       | 192.70 | cps   |
| Silicon    | 28-1  | 1001224  | 1005570  | 1003829  | 1003541  | 0.22   | cps   |
| Silver     | 109-1 | 492      | 350      | 500      | 447      | 18.85  | cps   |
| Silver     | 107-1 | 767      | 583      | 567      | 639      | 17.37  | cps   |
| Sodium     | 23-2  | 43631    | 41943    | 43564    | 43046    | 2.22   | cps   |
| Strontium  | 86-1  | 4468     | 4559     | 3976     | 4334     | 7.24   | cps   |
| Strontium  | 88-1  | 275      | 283      | 208      | 256      | 16.09  | cps   |
| Sulfur     | 34-1  | 464796   | 471297   | 473351   | 469815   | 0.95   | cps   |
| Terbium    | 159-1 | 13683406 | 13769694 | 13725833 | 13726311 | 0.31   | cps   |
| Terbium    | 159-2 | 7367561  | 7462639  | 7394235  | 7408145  | 0.66   | cps   |
| Thallium   | 203-1 | 508      | 425      | 475      | 469      | 8.93   | cps   |
| Thallium   | 205-1 | 1100     | 1108     | 1083     | 1097     | 1.16   | cps   |
| Tin        | 118-1 | 1017     | 1233     | 1450     | 1233     | 17.57  | cps   |
| Titanium   | 47-1  | 367      | 350      | 450      | 389      | 13.78  | cps   |
| Uranium    | 238-1 | 100      | 125      | 108      | 111      | 11.46  | cps   |
| Vanadium   | 51-2  | 20       | 23       | 37       | 27       | 33.08  | cps   |
| Yttrium    | 89-2  | 1931576  | 1932129  | 1956656  | 1940120  | 0.74   | cps   |
| Yttrium    | 89-1  | 11758351 | 11797234 | 11603036 | 11719541 | 0.88   | cps   |
| Zinc       | 66-2  | 263      | 280      | 243      | 262      | 7.00   | cps   |
| Zirconium  | 90-1  | 1383     | 1692     | 1784     | 1620     | 12.94  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:25:20 | DataFile Name :   | 017CCBE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 267  | 350  | 375  | 331     | 17.16  | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2017-03-31 13:28:52 | DataFile Name :   | 018ICSA01_P7033117.D |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 9295003   | 9269978   | 9356013   | 9306998   | 0.48   | cps   |
| Antimony   | 121-1 | 14725     | 15835     | 15893     | 15484     | 4.25   | cps   |
| Arsenic    | 75-2  | 146       | 193       | 187       | 175       | 14.42  | cps   |
| Barium     | 135-1 | 4343      | 4317      | 4167      | 4276      | 2.21   | cps   |
| Barium     | 137-1 | 7544      | 7394      | 6752      | 7230      | 5.82   | cps   |
| Beryllium  | 9-1   | 422       | 344       | 422       | 396       | 11.33  | cps   |
| Bismuth    | 209-1 | 7688870   | 7763059   | 7649951   | 7700627   | 0.75   | cps   |
| Bismuth    | 209-2 | 5130077   | 5204129   | 5201990   | 5178732   | 0.81   | cps   |
| Boron      | 10-1  | 383       | 350       | 450       | 394       | 12.91  | cps   |
| Boron      | 11-1  | 1675      | 1717      | 1767      | 1720      | 2.67   | cps   |
| Cadmium    | 106-1 | 3234      | 3451      | 3376      | 3353      | 3.28   | cps   |
| Cadmium    | 108-1 | 1979      | 2017      | 2079      | 2025      | 2.50   | cps   |
| Cadmium    | 111-1 | 3249      | 3433      | 3420      | 3367      | 3.05   | cps   |
| Calcium    | 43-1  | 2965485   | 2966712   | 2993183   | 2975126   | 0.53   | cps   |
| Calcium    | 44-1  | 48904542  | 49750191  | 49740631  | 49465121  | 0.98   | cps   |
| Chromium   | 52-2  | 71647     | 71757     | 70692     | 71365     | 0.82   | cps   |
| Cobalt     | 59-2  | 6865      | 7232      | 7042      | 7046      | 2.60   | cps   |
| Copper     | 63-2  | 35025     | 34588     | 34999     | 34871     | 0.70   | cps   |
| Dysprosium | 156-2 | 30        | 20        | 20        | 23        | 24.74  | cps   |
| Dysprosium | 156-1 | 50        | 50        | 83        | 61        | 31.50  | cps   |
| Erbium     | 164-1 | 67        | 158       | 167       | 131       | 42.50  | cps   |
| Erbium     | 164-2 | 37        | 50        | 40        | 42        | 16.43  | cps   |
| Gadolinium | 160-2 | 67        | 70        | 67        | 68        | 2.84   | cps   |
| Gadolinium | 160-1 | 192       | 208       | 158       | 186       | 13.68  | cps   |
| Holmium    | 165-2 | 7379117   | 7410621   | 7379440   | 7389726   | 0.24   | cps   |
| Holmium    | 165-1 | 13178858  | 13195085  | 12990341  | 13121428  | 0.87   | cps   |
| Indium     | 115-1 | 11067263  | 10808380  | 10888733  | 10921459  | 1.21   | cps   |
| Indium     | 115-2 | 2369815   | 2366969   | 2379989   | 2372258   | 0.29   | cps   |
| Iron       | 56-2  | 305000151 | 304682896 | 302917518 | 304200188 | 0.37   | cps   |
| Iron       | 57-2  | 7592978   | 7586507   | 7588876   | 7589453   | 0.04   | cps   |
| Lead       | 206-1 | 37247     | 37565     | 38963     | 37925     | 2.41   | cps   |
| Lead       | 207-1 | 29851     | 30118     | 30029     | 29999     | 0.45   | cps   |
| Lead       | 208-1 | 141293    | 143840    | 143434    | 142856    | 0.96   | cps   |
| Lithium    | 6-1   | 628475    | 633075    | 632471    | 631341    | 0.40   | cps   |
| Magnesium  | 24-2  | 22251940  | 22320274  | 22551198  | 22374471  | 0.70   | cps   |
| Manganese  | 55-2  | 16056     | 16236     | 16339     | 16210     | 0.89   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2017-03-31 13:28:52 | DataFile Name :   | 018ICSA01_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 6429582  | 6506020  | 6425613  | 6453738  | 0.70   | cps   |
| Molybdenum | 95-1  | 11407407 | 11330291 | 11288636 | 11342111 | 0.53   | cps   |
| Molybdenum | 96-1  | 12016646 | 12033386 | 11927676 | 11992569 | 0.47   | cps   |
| Molybdenum | 97-1  | 7008415  | 7048451  | 6957472  | 7004779  | 0.65   | cps   |
| Molybdenum | 98-1  | 18011453 | 18010534 | 18041739 | 18021242 | 0.10   | cps   |
| Neodymium  | 150-1 | 40       | 47       | 47       | 44       | 8.66   | cps   |
| Neodymium  | 150-2 | 23       | 23       | 27       | 24       | 7.89   | cps   |
| Nickel     | 60-2  | 8326     | 8112     | 8303     | 8247     | 1.42   | cps   |
| Phosphorus | 31-2  | 570234   | 576647   | 573882   | 573588   | 0.56   | cps   |
| Potassium  | 39-2  | 27446201 | 27454594 | 27425004 | 27441933 | 0.06   | cps   |
| Rhodium    | 103-2 | 4775069  | 4792058  | 4789191  | 4785440  | 0.19   | cps   |
| Rhodium    | 103-1 | 9966689  | 9935374  | 9919468  | 9940510  | 0.24   | cps   |
| Scandium   | 45-1  | 6314074  | 6367096  | 6380731  | 6353967  | 0.55   | cps   |
| Scandium   | 45-2  | 328126   | 326739   | 326479   | 327115   | 0.27   | cps   |
| Selenium   | 77-2  | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Selenium   | 78-2  | 243      | 224      | 241      | 236      | 4.33   | cps   |
| Selenium   | 82-1  | -50      | 156      | 61       | 56       | 184.35 | cps   |
| Silicon    | 28-1  | 1132767  | 1129125  | 1126936  | 1129609  | 0.26   | cps   |
| Silver     | 109-1 | 1225     | 1609     | 1500     | 1445     | 13.68  | cps   |
| Silver     | 107-1 | 1450     | 1475     | 1767     | 1564     | 11.26  | cps   |
| Sodium     | 23-2  | 42760812 | 42717372 | 43234900 | 42904361 | 0.67   | cps   |
| Strontium  | 86-1  | 130504   | 130388   | 128848   | 129913   | 0.71   | cps   |
| Strontium  | 88-1  | 1093906  | 1083200  | 1088459  | 1088522  | 0.49   | cps   |
| Sulfur     | 34-1  | 3826308  | 3787941  | 3802429  | 3805559  | 0.51   | cps   |
| Terbium    | 159-1 | 13633993 | 13662034 | 13452411 | 13582813 | 0.84   | cps   |
| Terbium    | 159-2 | 7329046  | 7324541  | 7223676  | 7292421  | 0.82   | cps   |
| Thallium   | 203-1 | 483      | 525      | 492      | 500      | 4.41   | cps   |
| Thallium   | 205-1 | 1058     | 1008     | 1225     | 1097     | 10.34  | cps   |
| Tin        | 118-1 | 2667     | 2592     | 2642     | 2634     | 1.45   | cps   |
| Titanium   | 47-1  | 2862752  | 2866850  | 2872439  | 2867347  | 0.17   | cps   |
| Uranium    | 238-1 | 658      | 633      | 617      | 636      | 3.30   | cps   |
| Vanadium   | 51-2  | 577      | 537      | 580      | 564      | 4.27   | cps   |
| Yttrium    | 89-2  | 1887618  | 1887538  | 1891295  | 1888817  | 0.11   | cps   |
| Yttrium    | 89-1  | 11719261 | 11830190 | 11664748 | 11738066 | 0.72   | cps   |
| Zinc       | 66-2  | 6905     | 6838     | 6772     | 6838     | 0.98   | cps   |
| Zirconium  | 90-1  | 4418     | 4159     | 4609     | 4395     | 5.14   | cps   |



|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2017-03-31 13:28:52 | DataFile Name :   | 018ICSA01_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 1017 | 950  | 975  | 981     | 3.44   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : ICSAB01 Instrumnet Name : P7  
 Client Sample ID : ICSAB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 13:32:19 DataFile Name : 019SMPL\_P7033117.D

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 9254975   | 9251349   | 9372879   | 9293068   | 0.74   | cps   |
| Antimony   | 121-1 | 244995    | 243618    | 243258    | 243957    | 0.38   | cps   |
| Arsenic    | 75-2  | 9431      | 9396      | 9348      | 9391      | 0.45   | cps   |
| Barium     | 135-1 | 59085     | 59762     | 59930     | 59592     | 0.75   | cps   |
| Barium     | 137-1 | 103241    | 104332    | 103729    | 103767    | 0.53   | cps   |
| Beryllium  | 9-1   | 22050     | 22751     | 22534     | 22445     | 1.60   | cps   |
| Bismuth    | 209-1 | 7637284   | 7575733   | 7613207   | 7608741   | 0.41   | cps   |
| Bismuth    | 209-2 | 5166413   | 5217858   | 5233552   | 5205941   | 0.67   | cps   |
| Boron      | 10-1  | 8102      | 7611      | 8111      | 7941      | 3.61   | cps   |
| Boron      | 11-1  | 42226     | 42109     | 42662     | 42332     | 0.69   | cps   |
| Cadmium    | 106-1 | 10713     | 10546     | 10121     | 10460     | 2.92   | cps   |
| Cadmium    | 108-1 | 6689      | 6493      | 6377      | 6520      | 2.42   | cps   |
| Cadmium    | 111-1 | 56878     | 57024     | 56724     | 56875     | 0.26   | cps   |
| Calcium    | 43-1  | 2953814   | 2937277   | 2941217   | 2944103   | 0.29   | cps   |
| Calcium    | 44-1  | 49363887  | 49087562  | 48726528  | 49059325  | 0.65   | cps   |
| Chromium   | 52-2  | 143726    | 142855    | 142962    | 143181    | 0.33   | cps   |
| Cobalt     | 59-2  | 127477    | 124963    | 126832    | 126424    | 1.03   | cps   |
| Copper     | 63-2  | 119009    | 121140    | 121919    | 120689    | 1.25   | cps   |
| Dysprosium | 156-2 | 40        | 17        | 13        | 23        | 62.27  | cps   |
| Dysprosium | 156-1 | 50        | 25        | 33        | 36        | 35.25  | cps   |
| Erbium     | 164-1 | 67        | 117       | 108       | 97        | 27.55  | cps   |
| Erbium     | 164-2 | 53        | 27        | 40        | 40        | 33.33  | cps   |
| Gadolinium | 160-2 | 77        | 60        | 97        | 78        | 23.61  | cps   |
| Gadolinium | 160-1 | 167       | 125       | 108       | 133       | 22.53  | cps   |
| Holmium    | 165-1 | 12910099  | 12950192  | 12980951  | 12947081  | 0.27   | cps   |
| Holmium    | 165-2 | 7448712   | 7381446   | 7431511   | 7420556   | 0.47   | cps   |
| Indium     | 115-2 | 2365823   | 2372440   | 2369801   | 2369355   | 0.14   | cps   |
| Indium     | 115-1 | 10927655  | 10753345  | 10751559  | 10810853  | 0.94   | cps   |
| Iron       | 56-2  | 302520918 | 300596362 | 303545529 | 302220936 | 0.50   | cps   |
| Iron       | 57-2  | 7554626   | 7533896   | 7574744   | 7554422   | 0.27   | cps   |
| Lead       | 206-1 | 196829    | 197414    | 196135    | 196793    | 0.33   | cps   |
| Lead       | 207-1 | 165643    | 163364    | 163134    | 164047    | 0.85   | cps   |
| Lead       | 208-1 | 761126    | 758827    | 755569    | 758507    | 0.37   | cps   |
| Lithium    | 6-1   | 630343    | 625068    | 628338    | 627917    | 0.42   | cps   |
| Magnesium  | 24-2  | 22069668  | 22107741  | 22283811  | 22153740  | 0.52   | cps   |
| Manganese  | 55-2  | 57974     | 58161     | 58001     | 58045     | 0.17   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:32:19 | DataFile Name :   | 019SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 97-1  | 7064087  | 7062828  | 7065703  | 7064206  | 0.02   | cps   |
| Molybdenum | 98-1  | 18358839 | 18142916 | 18440070 | 18313942 | 0.84   | cps   |
| Molybdenum | 94-1  | 6909348  | 6915592  | 6935130  | 6920023  | 0.19   | cps   |
| Molybdenum | 95-1  | 11508846 | 11370733 | 11571255 | 11483611 | 0.89   | cps   |
| Molybdenum | 96-1  | 12247922 | 12416217 | 12284903 | 12316347 | 0.72   | cps   |
| Neodymium  | 150-1 | 60       | 40       | 67       | 56       | 24.98  | cps   |
| Neodymium  | 150-2 | 17       | 7        | 27       | 17       | 59.99  | cps   |
| Nickel     | 60-2  | 40212    | 39938    | 39500    | 39883    | 0.90   | cps   |
| Phosphorus | 31-2  | 569381   | 569159   | 572312   | 570284   | 0.31   | cps   |
| Potassium  | 39-2  | 27195391 | 27340545 | 27429319 | 27321752 | 0.43   | cps   |
| Rhodium    | 103-1 | 9777449  | 9825091  | 9890400  | 9830980  | 0.58   | cps   |
| Rhodium    | 103-2 | 4759782  | 4804135  | 4803572  | 4789163  | 0.53   | cps   |
| Scandium   | 45-2  | 324988   | 324693   | 329087   | 326256   | 0.75   | cps   |
| Scandium   | 45-1  | 6270229  | 6290743  | 6326586  | 6295852  | 0.45   | cps   |
| Selenium   | 82-1  | 3433     | 3432     | 3395     | 3420     | 0.64   | cps   |
| Selenium   | 77-2  | 173      | 143      | 190      | 169      | 14.00  | cps   |
| Selenium   | 78-2  | 820      | 778      | 924      | 841      | 8.95   | cps   |
| Silicon    | 28-1  | 1457004  | 1443787  | 1441817  | 1447536  | 0.57   | cps   |
| Silver     | 107-1 | 258567   | 258313   | 256633   | 257838   | 0.41   | cps   |
| Silver     | 109-1 | 251347   | 250743   | 250980   | 251024   | 0.12   | cps   |
| Sodium     | 23-2  | 43004591 | 42531107 | 43204143 | 42913280 | 0.81   | cps   |
| Strontium  | 86-1  | 315117   | 312993   | 314677   | 314262   | 0.36   | cps   |
| Strontium  | 88-1  | 2709273  | 2704539  | 2709181  | 2707664  | 0.10   | cps   |
| Sulfur     | 34-1  | 3791470  | 3755758  | 3773692  | 3773640  | 0.47   | cps   |
| Terbium    | 159-1 | 13424936 | 13539727 | 13642434 | 13535699 | 0.80   | cps   |
| Terbium    | 159-2 | 7246307  | 7308584  | 7252677  | 7269189  | 0.47   | cps   |
| Thallium   | 203-1 | 192340   | 195162   | 198824   | 195442   | 1.66   | cps   |
| Thallium   | 205-1 | 462905   | 470795   | 469631   | 467777   | 0.91   | cps   |
| Tin        | 118-1 | 474175   | 472166   | 468944   | 471761   | 0.56   | cps   |
| Titanium   | 47-1  | 2895169  | 2895373  | 2917743  | 2902762  | 0.45   | cps   |
| Uranium    | 238-1 | 1567255  | 1545549  | 1547018  | 1553274  | 0.78   | cps   |
| Vanadium   | 51-2  | 60085    | 60085    | 61699    | 60623    | 1.54   | cps   |
| Yttrium    | 89-2  | 1879128  | 1887272  | 1891664  | 1886021  | 0.34   | cps   |
| Yttrium    | 89-1  | 11580681 | 11484386 | 11528061 | 11531043 | 0.42   | cps   |
| Zinc       | 66-2  | 18445    | 18121    | 18839    | 18469    | 1.95   | cps   |
| Zirconium  | 90-1  | 999171   | 997792   | 1010113  | 1002359  | 0.67   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                 |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:32:19 | DataFile Name :   | 019SMPL_P7033117.D |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 226227 | 225189 | 225186 | 225534  | 0.27   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCV48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCV48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:35:46 | DataFile Name :   | 020SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 963372   | 979342   | 974454   | 972389   | 0.84   | cps   |
| Antimony   | 121-1 | 6223481  | 5926041  | 5842902  | 5997474  | 3.34   | cps   |
| Arsenic    | 75-2  | 246215   | 249626   | 248326   | 248056   | 0.69   | cps   |
| Barium     | 135-1 | 7273817  | 7414364  | 7441111  | 7376431  | 1.22   | cps   |
| Barium     | 137-1 | 12580682 | 12810541 | 12671700 | 12687641 | 0.91   | cps   |
| Beryllium  | 9-1   | 566455   | 571261   | 574093   | 570603   | 0.68   | cps   |
| Bismuth    | 209-1 | 7958880  | 8006337  | 8032616  | 7999278  | 0.47   | cps   |
| Bismuth    | 209-2 | 5400248  | 5471619  | 5474354  | 5448740  | 0.77   | cps   |
| Boron      | 10-1  | 75614    | 79451    | 78219    | 77761    | 2.52   | cps   |
| Boron      | 11-1  | 403649   | 408973   | 410562   | 407728   | 0.89   | cps   |
| Cadmium    | 106-1 | 158654   | 159876   | 158250   | 158927   | 0.53   | cps   |
| Cadmium    | 108-1 | 103471   | 104523   | 104448   | 104147   | 0.56   | cps   |
| Cadmium    | 111-1 | 1437577  | 1448637  | 1429438  | 1438551  | 0.67   | cps   |
| Calcium    | 43-1  | 1551678  | 1551837  | 1552679  | 1552065  | 0.03   | cps   |
| Calcium    | 44-1  | 25937610 | 26024705 | 25917778 | 25960031 | 0.22   | cps   |
| Chromium   | 52-2  | 1874893  | 1897025  | 1891254  | 1887724  | 0.61   | cps   |
| Cobalt     | 59-2  | 3090209  | 3125459  | 3117590  | 3111086  | 0.59   | cps   |
| Copper     | 63-2  | 4449685  | 4507904  | 4515073  | 4490887  | 0.80   | cps   |
| Dysprosium | 156-2 | 50       | 53       | 53       | 52       | 3.68   | cps   |
| Dysprosium | 156-1 | 108      | 125      | 142      | 125      | 13.33  | cps   |
| Erbium     | 164-1 | 100      | 58       | 117      | 92       | 32.77  | cps   |
| Erbium     | 164-2 | 43       | 53       | 37       | 44       | 18.87  | cps   |
| Gadolinium | 160-2 | 133      | 83       | 103      | 107      | 23.59  | cps   |
| Gadolinium | 160-1 | 208      | 175      | 117      | 167      | 27.84  | cps   |
| Holmium    | 165-2 | 7518775  | 7447320  | 7489683  | 7485259  | 0.48   | cps   |
| Holmium    | 165-1 | 13218000 | 13318488 | 13403173 | 13313220 | 0.70   | cps   |
| Indium     | 115-1 | 11129860 | 11220613 | 11083677 | 11144717 | 0.63   | cps   |
| Indium     | 115-2 | 2396135  | 2436953  | 2440675  | 2424588  | 1.02   | cps   |
| Iron       | 56-2  | 79563710 | 80482268 | 80483932 | 80176637 | 0.66   | cps   |
| Iron       | 57-2  | 1919949  | 1940311  | 1940626  | 1933629  | 0.61   | cps   |
| Lead       | 206-1 | 4154242  | 4152182  | 4128439  | 4144954  | 0.35   | cps   |
| Lead       | 207-1 | 3772637  | 3767361  | 3747409  | 3762469  | 0.35   | cps   |
| Lead       | 208-1 | 17062385 | 17000486 | 16814914 | 16959261 | 0.76   | cps   |
| Lithium    | 6-1   | 648689   | 654159   | 652223   | 651690   | 0.43   | cps   |
| Magnesium  | 24-2  | 11869156 | 11963858 | 11979684 | 11937566 | 0.50   | cps   |
| Manganese  | 55-2  | 2132877  | 2159471  | 2159739  | 2150696  | 0.72   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCV48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCV48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:35:46 | DataFile Name :   | 020SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5625219  | 5431545  | 5556886  | 5537883  | 1.77   | cps   |
| Molybdenum | 95-1  | 2894695  | 2908660  | 2872552  | 2891969  | 0.63   | cps   |
| Molybdenum | 96-1  | 3714840  | 3740290  | 3682778  | 3712636  | 0.78   | cps   |
| Molybdenum | 97-1  | 1791738  | 1808982  | 1785721  | 1795480  | 0.67   | cps   |
| Molybdenum | 98-1  | 4639837  | 4685505  | 4642823  | 4656055  | 0.55   | cps   |
| Neodymium  | 150-1 | 373      | 400      | 440      | 404      | 8.30   | cps   |
| Neodymium  | 150-2 | 73       | 87       | 70       | 77       | 11.51  | cps   |
| Nickel     | 60-2  | 814472   | 825398   | 823305   | 821058   | 0.71   | cps   |
| Phosphorus | 31-2  | 61152    | 61176    | 62340    | 61556    | 1.10   | cps   |
| Potassium  | 39-2  | 7189447  | 7310450  | 7233527  | 7244474  | 0.85   | cps   |
| Rhodium    | 103-2 | 4877055  | 4960514  | 4977958  | 4938509  | 1.09   | cps   |
| Rhodium    | 103-1 | 10169460 | 10295057 | 10226795 | 10230437 | 0.61   | cps   |
| Scandium   | 45-1  | 6446774  | 6470214  | 6408951  | 6441980  | 0.48   | cps   |
| Scandium   | 45-2  | 330064   | 334401   | 332169   | 332211   | 0.65   | cps   |
| Selenium   | 77-2  | 4514     | 4784     | 4808     | 4702     | 3.47   | cps   |
| Selenium   | 78-2  | 15466    | 15647    | 15760    | 15625    | 0.95   | cps   |
| Selenium   | 82-1  | 85194    | 84782    | 84553    | 84843    | 0.38   | cps   |
| Silicon    | 28-1  | 3674902  | 3682888  | 3698425  | 3685405  | 0.32   | cps   |
| Silver     | 109-1 | 7193704  | 7179072  | 7130137  | 7167638  | 0.46   | cps   |
| Silver     | 107-1 | 7502427  | 7477609  | 7435917  | 7471984  | 0.45   | cps   |
| Sodium     | 23-2  | 22564318 | 22757484 | 22579133 | 22633645 | 0.47   | cps   |
| Strontium  | 86-1  | 1968792  | 1986853  | 1969494  | 1975046  | 0.52   | cps   |
| Strontium  | 88-1  | 17544506 | 17633646 | 17361372 | 17513175 | 0.79   | cps   |
| Sulfur     | 34-1  | 967577   | 973128   | 964796   | 968500   | 0.44   | cps   |
| Terbium    | 159-1 | 14022759 | 13962006 | 14025264 | 14003343 | 0.26   | cps   |
| Terbium    | 159-2 | 7376896  | 7461293  | 7466832  | 7435007  | 0.68   | cps   |
| Thallium   | 203-1 | 5126442  | 5199889  | 5253784  | 5193371  | 1.23   | cps   |
| Thallium   | 205-1 | 12504476 | 12562737 | 12679161 | 12582125 | 0.71   | cps   |
| Tin        | 118-1 | 4861633  | 4896614  | 4861533  | 4873260  | 0.42   | cps   |
| Titanium   | 47-1  | 752402   | 757151   | 755763   | 755106   | 0.32   | cps   |
| Uranium    | 238-1 | 16422824 | 16609290 | 16669358 | 16567157 | 0.78   | cps   |
| Vanadium   | 51-2  | 1586732  | 1597518  | 1601863  | 1595371  | 0.49   | cps   |
| Yttrium    | 89-2  | 1909558  | 1928803  | 1933304  | 1923888  | 0.66   | cps   |
| Yttrium    | 89-1  | 11868925 | 11962499 | 11869862 | 11900428 | 0.45   | cps   |
| Zinc       | 66-2  | 606320   | 611114   | 612771   | 610069   | 0.55   | cps   |
| Zirconium  | 90-1  | 10507051 | 10657687 | 10492959 | 10552566 | 0.87   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCV48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCV48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:35:46 | DataFile Name :   | 020SMPL_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2274511 | 2308507 | 2290913 | 2291310 | 0.74   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV1              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV1              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:55:35 | DataFile Name :   | 022LCSE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1984     | 2125     | 1834     | 1981     | 7.36   | cps   |
| Antimony   | 121-1 | 27211    | 27294    | 28354    | 27620    | 2.31   | cps   |
| Arsenic    | 75-2  | 496      | 433      | 481      | 470      | 7.00   | cps   |
| Barium     | 135-1 | 26242    | 26769    | 26117    | 26376    | 1.31   | cps   |
| Barium     | 137-1 | 45350    | 45668    | 45727    | 45581    | 0.44   | cps   |
| Beryllium  | 9-1   | 1111     | 1222     | 1283     | 1206     | 7.24   | cps   |
| Bismuth    | 209-1 | 8169632  | 8267033  | 8182863  | 8206509  | 0.64   | cps   |
| Bismuth    | 209-2 | 5472194  | 5534165  | 5459774  | 5488711  | 0.73   | cps   |
| Boron      | 10-1  | 3384     | 3517     | 4017     | 3639     | 9.18   | cps   |
| Boron      | 11-1  | 19238    | 19855    | 20289    | 19794    | 2.67   | cps   |
| Cadmium    | 106-1 | 3976     | 3609     | 3484     | 3690     | 6.93   | cps   |
| Cadmium    | 108-1 | 208      | 213      | 154      | 192      | 16.98  | cps   |
| Cadmium    | 111-1 | 5221     | 5103     | 5098     | 5140     | 1.35   | cps   |
| Calcium    | 43-1  | 14433    | 14624    | 14349    | 14469    | 0.98   | cps   |
| Calcium    | 44-1  | 253878   | 255700   | 250964   | 253514   | 0.94   | cps   |
| Chromium   | 52-2  | 8309     | 7806     | 7952     | 8022     | 3.23   | cps   |
| Cobalt     | 59-2  | 6025     | 6125     | 6018     | 6056     | 0.99   | cps   |
| Copper     | 63-2  | 9937     | 10090    | 10104    | 10044    | 0.92   | cps   |
| Dysprosium | 156-2 | 7        | 0        | 3        | 3        | 100.05 | cps   |
| Dysprosium | 156-1 | 17       | 17       | 25       | 19       | 24.73  | cps   |
| Erbium     | 164-1 | 83       | 58       | 100      | 81       | 26.03  | cps   |
| Erbium     | 164-2 | 23       | 40       | 27       | 30       | 29.40  | cps   |
| Gadolinium | 160-2 | 27       | 37       | 33       | 32       | 15.80  | cps   |
| Gadolinium | 160-1 | 92       | 150      | 142      | 128      | 24.69  | cps   |
| Holmium    | 165-2 | 7359342  | 7426229  | 7391249  | 7392273  | 0.45   | cps   |
| Holmium    | 165-1 | 13109736 | 13005469 | 13073858 | 13063021 | 0.41   | cps   |
| Indium     | 115-1 | 11212123 | 11092569 | 11175657 | 11160116 | 0.55   | cps   |
| Indium     | 115-2 | 2437982  | 2459878  | 2429471  | 2442443  | 0.64   | cps   |
| Iron       | 56-2  | 155087   | 155246   | 153740   | 154691   | 0.53   | cps   |
| Iron       | 57-2  | 3712     | 3817     | 3801     | 3777     | 1.50   | cps   |
| Lead       | 206-1 | 10810    | 11072    | 11444    | 11109    | 2.87   | cps   |
| Lead       | 207-1 | 9893     | 9954     | 9659     | 9835     | 1.58   | cps   |
| Lead       | 208-1 | 44069    | 44269    | 44602    | 44313    | 0.61   | cps   |
| Lithium    | 6-1   | 669072   | 666231   | 663187   | 666163   | 0.44   | cps   |
| Magnesium  | 24-2  | 112369   | 112269   | 110673   | 111770   | 0.85   | cps   |
| Manganese  | 55-2  | 2204     | 2207     | 2204     | 2205     | 0.09   | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV1              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV1              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:55:35 | DataFile Name :   | 022LCSE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 22260    | 22201    | 22861    | 22441    | 1.63   | cps   |
| Molybdenum | 95-1  | 27118    | 27845    | 26676    | 27213    | 2.17   | cps   |
| Molybdenum | 96-1  | 29816    | 30233    | 30433    | 30161    | 1.05   | cps   |
| Molybdenum | 97-1  | 17228    | 17311    | 17061    | 17200    | 0.74   | cps   |
| Molybdenum | 98-1  | 42832    | 43735    | 44821    | 43796    | 2.27   | cps   |
| Neodymium  | 150-1 | 20       | 0        | 0        | 7        | 173.21 | cps   |
| Neodymium  | 150-2 | 3        | 3        | 0        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 1860     | 1770     | 1933     | 1855     | 4.41   | cps   |
| Phosphorus | 31-2  | 450      | 333      | 275      | 353      | 25.26  | cps   |
| Potassium  | 39-2  | 193579   | 194441   | 194777   | 194266   | 0.32   | cps   |
| Rhodium    | 103-2 | 5005239  | 5045027  | 4967910  | 5006059  | 0.77   | cps   |
| Rhodium    | 103-1 | 10374404 | 10184775 | 10285333 | 10281504 | 0.92   | cps   |
| Scandium   | 45-1  | 6383339  | 6339963  | 6297852  | 6340384  | 0.67   | cps   |
| Scandium   | 45-2  | 331248   | 326418   | 325799   | 327822   | 0.91   | cps   |
| Selenium   | 77-2  | 30       | 60       | 13       | 34       | 68.66  | cps   |
| Selenium   | 78-2  | 346      | 396      | 370      | 371      | 6.74   | cps   |
| Selenium   | 82-1  | 668      | 616      | 1012     | 765      | 28.13  | cps   |
| Silicon    | 28-1  | 1016238  | 1008152  | 1001991  | 1008793  | 0.71   | cps   |
| Silver     | 109-1 | 13674    | 13440    | 13207    | 13440    | 1.74   | cps   |
| Silver     | 107-1 | 13457    | 13849    | 13273    | 13526    | 2.17   | cps   |
| Sodium     | 23-2  | 250205   | 250033   | 244547   | 248262   | 1.30   | cps   |
| Strontium  | 86-1  | 7644     | 8336     | 7777     | 7919     | 4.64   | cps   |
| Strontium  | 88-1  | 32004    | 32262    | 31661    | 31976    | 0.94   | cps   |
| Sulfur     | 34-1  | 539954   | 538734   | 534654   | 537780   | 0.52   | cps   |
| Terbium    | 159-1 | 13658423 | 13546576 | 13834001 | 13679667 | 1.06   | cps   |
| Terbium    | 159-2 | 7413860  | 7218454  | 7340372  | 7324229  | 1.35   | cps   |
| Thallium   | 203-1 | 9862     | 9787     | 9988     | 9879     | 1.02   | cps   |
| Thallium   | 205-1 | 24231    | 24482    | 23038    | 23917    | 3.23   | cps   |
| Tin        | 118-1 | 45407    | 47899    | 46553    | 46620    | 2.68   | cps   |
| Titanium   | 47-1  | 7444     | 7127     | 6760     | 7110     | 4.81   | cps   |
| Uranium    | 238-1 | 30913    | 30704    | 30879    | 30832    | 0.36   | cps   |
| Vanadium   | 51-2  | 14788    | 14714    | 14914    | 14805    | 0.68   | cps   |
| Yttrium    | 89-2  | 1887993  | 1896359  | 1882464  | 1888939  | 0.37   | cps   |
| Yttrium    | 89-1  | 11627236 | 11641495 | 11642560 | 11637097 | 0.07   | cps   |
| Zinc       | 66-2  | 1413     | 1297     | 1450     | 1387     | 5.77   | cps   |
| Zirconium  | 90-1  | 18145    | 17745    | 16969    | 17620    | 3.39   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV1              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV1              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:55:35 | DataFile Name :   | 022LCSE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 4426 | 3951 | 4326 | 4234    | 5.92   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:59:05 | DataFile Name :   | 023CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 92       | 108      | 67       | 89       | 23.59  | cps   |
| Antimony   | 121-1 | 2459     | 2792     | 3126     | 2792     | 11.94  | cps   |
| Arsenic    | 75-2  | 43       | 24       | 46       | 38       | 31.63  | cps   |
| Barium     | 135-1 | 42       | 50       | 33       | 42       | 20.00  | cps   |
| Barium     | 137-1 | 25       | 83       | 17       | 42       | 87.18  | cps   |
| Beryllium  | 9-1   | 50       | 50       | 50       | 50       | 0.00   | cps   |
| Bismuth    | 209-1 | 8059740  | 8186008  | 8184530  | 8143426  | 0.89   | cps   |
| Bismuth    | 209-2 | 5513750  | 5537690  | 5561035  | 5537492  | 0.43   | cps   |
| Boron      | 10-1  | 200      | 283      | 392      | 292      | 32.95  | cps   |
| Boron      | 11-1  | 1458     | 1525     | 1433     | 1472     | 3.22   | cps   |
| Cadmium    | 106-1 | 3492     | 3242     | 3201     | 3312     | 4.76   | cps   |
| Cadmium    | 108-1 | 17       | 17       | 8        | 14       | 34.67  | cps   |
| Cadmium    | 111-1 | 2445     | 2266     | 2247     | 2320     | 4.72   | cps   |
| Calcium    | 43-1  | 450      | 417      | 417      | 428      | 4.50   | cps   |
| Calcium    | 44-1  | 22443    | 21391    | 22218    | 22017    | 2.51   | cps   |
| Chromium   | 52-2  | 777      | 827      | 767      | 790      | 4.07   | cps   |
| Cobalt     | 59-2  | 73       | 47       | 87       | 69       | 29.56  | cps   |
| Copper     | 63-2  | 717      | 803      | 760      | 760      | 5.70   | cps   |
| Dysprosium | 156-2 | 3        | 0        | 0        | 1        | 173.21 | cps   |
| Dysprosium | 156-1 | 8        | 25       | 0        | 11       | 114.58 | cps   |
| Erbium     | 164-1 | 50       | 42       | 50       | 47       | 10.18  | cps   |
| Erbium     | 164-2 | 17       | 27       | 10       | 18       | 47.19  | cps   |
| Gadolinium | 160-2 | 43       | 37       | 37       | 39       | 9.89   | cps   |
| Gadolinium | 160-1 | 100      | 108      | 83       | 97       | 13.09  | cps   |
| Holmium    | 165-2 | 7413879  | 7323056  | 7460765  | 7399233  | 0.95   | cps   |
| Holmium    | 165-1 | 13009385 | 13070102 | 12996926 | 13025471 | 0.30   | cps   |
| Indium     | 115-1 | 10954532 | 11174630 | 11064999 | 11064720 | 0.99   | cps   |
| Indium     | 115-2 | 2441343  | 2426452  | 2428049  | 2431948  | 0.34   | cps   |
| Iron       | 56-2  | 7024     | 7708     | 7202     | 7311     | 4.85   | cps   |
| Iron       | 57-2  | 156      | 111      | 183      | 150      | 24.28  | cps   |
| Lead       | 206-1 | 1517     | 1650     | 1683     | 1617     | 5.46   | cps   |
| Lead       | 207-1 | 1295     | 1367     | 1283     | 1315     | 3.44   | cps   |
| Lead       | 208-1 | 6123     | 6262     | 6245     | 6210     | 1.22   | cps   |
| Lithium    | 6-1   | 659880   | 659645   | 666393   | 661973   | 0.58   | cps   |
| Magnesium  | 24-2  | 350      | 267      | 400      | 339      | 19.88  | cps   |
| Manganese  | 55-2  | 57       | 67       | 57       | 60       | 9.62   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : CCB48 Instrumnet Name : P7  
 Client Sample ID : CCB48 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 13:59:05 DataFile Name : 023CCBE\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 883      | 1275     | 1133     | 1097     | 18.08  | cps   |
| Molybdenum | 95-1  | 733      | 975      | 1133     | 947      | 21.27  | cps   |
| Molybdenum | 96-1  | 792      | 1333     | 1517     | 1214     | 31.06  | cps   |
| Molybdenum | 97-1  | 517      | 650      | 908      | 692      | 28.79  | cps   |
| Molybdenum | 98-1  | 1275     | 1809     | 2042     | 1709     | 23.01  | cps   |
| Neodymium  | 150-1 | 0        | 7        | 7        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 3        | 0        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 217      | 213      | 233      | 221      | 4.85   | cps   |
| Phosphorus | 31-2  | 217      | 275      | 358      | 283      | 25.13  | cps   |
| Potassium  | 39-2  | 60860    | 63880    | 62382    | 62374    | 2.42   | cps   |
| Rhodium    | 103-2 | 5013419  | 4984790  | 5004553  | 5000921  | 0.29   | cps   |
| Rhodium    | 103-1 | 10077962 | 10337700 | 10279289 | 10231650 | 1.33   | cps   |
| Scandium   | 45-1  | 6220084  | 6378879  | 6334844  | 6311269  | 1.30   | cps   |
| Scandium   | 45-2  | 324649   | 325449   | 326150   | 325416   | 0.23   | cps   |
| Selenium   | 77-2  | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 206      | 194      | 206      | 202      | 3.18   | cps   |
| Selenium   | 82-1  | 95       | -26      | -11      | 20       | 335.39 | cps   |
| Silicon    | 28-1  | 988842   | 986840   | 987632   | 987772   | 0.10   | cps   |
| Silver     | 109-1 | 217      | 175      | 267      | 219      | 20.91  | cps   |
| Silver     | 107-1 | 292      | 283      | 250      | 275      | 8.02   | cps   |
| Sodium     | 23-2  | 34958    | 36679    | 34482    | 35373    | 3.27   | cps   |
| Strontium  | 86-1  | 4242     | 4267     | 4343     | 4284     | 1.22   | cps   |
| Strontium  | 88-1  | 217      | 200      | 192      | 203      | 6.28   | cps   |
| Sulfur     | 34-1  | 537829   | 536215   | 534175   | 536073   | 0.34   | cps   |
| Terbium    | 159-1 | 13514756 | 13601732 | 13616165 | 13577551 | 0.40   | cps   |
| Terbium    | 159-2 | 7364757  | 7205582  | 7314666  | 7295001  | 1.12   | cps   |
| Thallium   | 203-1 | 225      | 233      | 325      | 261      | 21.25  | cps   |
| Thallium   | 205-1 | 600      | 558      | 625      | 594      | 5.67   | cps   |
| Tin        | 118-1 | 1150     | 1258     | 1225     | 1211     | 4.58   | cps   |
| Titanium   | 47-1  | 183      | 167      | 175      | 175      | 4.76   | cps   |
| Uranium    | 238-1 | 67       | 67       | 83       | 72       | 13.33  | cps   |
| Vanadium   | 51-2  | 13       | 40       | 13       | 22       | 69.30  | cps   |
| Yttrium    | 89-2  | 1883922  | 1879550  | 1896229  | 1886567  | 0.46   | cps   |
| Yttrium    | 89-1  | 11487404 | 11503951 | 11376494 | 11455949 | 0.60   | cps   |
| Zinc       | 66-2  | 180      | 270      | 310      | 253      | 26.28  | cps   |
| Zirconium  | 90-1  | 1108     | 1217     | 1567     | 1297     | 18.47  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB48               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB48               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 13:59:05 | DataFile Name :   | 023CCBE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 317  | 317  | 367  | 333     | 8.66   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : CRI Instrumnet Name : P7  
 Client Sample ID : CRI Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 14:02:35 DataFile Name : 024LCSE\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1959     | 2000     | 1834     | 1931     | 4.49   | cps   |
| Antimony   | 121-1 | 24556    | 25641    | 25082    | 25093    | 2.16   | cps   |
| Arsenic    | 75-2  | 461      | 539      | 494      | 498      | 7.83   | cps   |
| Barium     | 135-1 | 27654    | 27503    | 26760    | 27306    | 1.75   | cps   |
| Barium     | 137-1 | 45743    | 46111    | 47691    | 46515    | 2.23   | cps   |
| Beryllium  | 9-1   | 1133     | 1222     | 1139     | 1165     | 4.27   | cps   |
| Bismuth    | 209-1 | 8053831  | 8141173  | 8090137  | 8095047  | 0.54   | cps   |
| Bismuth    | 209-2 | 5460661  | 5554751  | 5464074  | 5493162  | 0.97   | cps   |
| Boron      | 10-1  | 3942     | 3717     | 3817     | 3826     | 2.95   | cps   |
| Boron      | 11-1  | 19263    | 20114    | 20314    | 19897    | 2.81   | cps   |
| Cadmium    | 106-1 | 3726     | 3409     | 3659     | 3598     | 4.64   | cps   |
| Cadmium    | 108-1 | 208      | 238      | 208      | 218      | 7.72   | cps   |
| Cadmium    | 111-1 | 5221     | 4974     | 5066     | 5087     | 2.45   | cps   |
| Calcium    | 43-1  | 15175    | 15008    | 15041    | 15075    | 0.59   | cps   |
| Calcium    | 44-1  | 259046   | 258158   | 260329   | 259178   | 0.42   | cps   |
| Chromium   | 52-2  | 8279     | 8393     | 8306     | 8326     | 0.71   | cps   |
| Cobalt     | 59-2  | 6025     | 6155     | 5981     | 6054     | 1.49   | cps   |
| Copper     | 63-2  | 9990     | 9787     | 10157    | 9978     | 1.86   | cps   |
| Dysprosium | 156-2 | 3        | 0        | 7        | 3        | 100.05 | cps   |
| Dysprosium | 156-1 | 8        | 8        | 25       | 14       | 69.31  | cps   |
| Erbium     | 164-1 | 50       | 33       | 83       | 56       | 45.83  | cps   |
| Erbium     | 164-2 | 40       | 47       | 30       | 39       | 21.57  | cps   |
| Gadolinium | 160-2 | 27       | 47       | 33       | 36       | 28.64  | cps   |
| Gadolinium | 160-1 | 83       | 100      | 100      | 94       | 10.19  | cps   |
| Holmium    | 165-2 | 7321897  | 7453680  | 7280323  | 7351967  | 1.23   | cps   |
| Holmium    | 165-1 | 12991223 | 12957486 | 13084944 | 13011217 | 0.51   | cps   |
| Indium     | 115-1 | 11158402 | 11016307 | 10997607 | 11057439 | 0.80   | cps   |
| Indium     | 115-2 | 2420946  | 2427921  | 2431118  | 2426662  | 0.21   | cps   |
| Iron       | 56-2  | 156934   | 159602   | 156951   | 157829   | 0.97   | cps   |
| Iron       | 57-2  | 3995     | 4017     | 3762     | 3925     | 3.61   | cps   |
| Lead       | 206-1 | 10894    | 10382    | 10577    | 10618    | 2.43   | cps   |
| Lead       | 207-1 | 9570     | 9303     | 9782     | 9552     | 2.51   | cps   |
| Lead       | 208-1 | 42210    | 42511    | 43401    | 42707    | 1.45   | cps   |
| Lithium    | 6-1   | 653850   | 657186   | 660595   | 657211   | 0.51   | cps   |
| Magnesium  | 24-2  | 115484   | 117760   | 116297   | 116514   | 0.99   | cps   |
| Manganese  | 55-2  | 2254     | 2167     | 2334     | 2251     | 3.70   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                 |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:02:35 | DataFile Name :   | 024LCSE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 22277    | 22385    | 22869    | 22510    | 1.40   | cps   |
| Molybdenum | 95-1  | 27043    | 27778    | 27352    | 27391    | 1.35   | cps   |
| Molybdenum | 96-1  | 29974    | 30275    | 29899    | 30049    | 0.66   | cps   |
| Molybdenum | 97-1  | 17420    | 16585    | 17169    | 17058    | 2.51   | cps   |
| Molybdenum | 98-1  | 44262    | 43384    | 43852    | 43832    | 1.00   | cps   |
| Neodymium  | 150-1 | 7        | 7        | 0        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 7        | 0        | 0        | 2        | 173.21 | cps   |
| Nickel     | 60-2  | 1840     | 1920     | 1933     | 1898     | 2.66   | cps   |
| Phosphorus | 31-2  | 308      | 500      | 417      | 408      | 23.54  | cps   |
| Potassium  | 39-2  | 196771   | 197462   | 199329   | 197854   | 0.67   | cps   |
| Rhodium    | 103-2 | 4983707  | 5013122  | 5011250  | 5002693  | 0.33   | cps   |
| Rhodium    | 103-1 | 10190439 | 10246687 | 10391660 | 10276262 | 1.01   | cps   |
| Scandium   | 45-1  | 6274196  | 6219758  | 6336209  | 6276721  | 0.93   | cps   |
| Scandium   | 45-2  | 324709   | 326917   | 327109   | 326245   | 0.41   | cps   |
| Selenium   | 77-2  | 63       | 50       | 53       | 56       | 12.49  | cps   |
| Selenium   | 78-2  | 428      | 352      | 341      | 373      | 12.68  | cps   |
| Selenium   | 82-1  | 989      | 862      | 730      | 860      | 15.05  | cps   |
| Silicon    | 28-1  | 1023819  | 1020344  | 1014297  | 1019487  | 0.47   | cps   |
| Silver     | 109-1 | 13657    | 14224    | 14291    | 14058    | 2.48   | cps   |
| Silver     | 107-1 | 14725    | 14808    | 14533    | 14689    | 0.96   | cps   |
| Sodium     | 23-2  | 254692   | 255329   | 251729   | 253917   | 0.76   | cps   |
| Strontium  | 86-1  | 7561     | 7819     | 7761     | 7714     | 1.76   | cps   |
| Strontium  | 88-1  | 32956    | 33189    | 33106    | 33084    | 0.36   | cps   |
| Sulfur     | 34-1  | 543950   | 550097   | 548381   | 547476   | 0.58   | cps   |
| Terbium    | 159-1 | 13417894 | 13432224 | 13404162 | 13418093 | 0.10   | cps   |
| Terbium    | 159-2 | 7209298  | 7264828  | 7266206  | 7246777  | 0.45   | cps   |
| Thallium   | 203-1 | 10254    | 10263    | 10221    | 10246    | 0.22   | cps   |
| Thallium   | 205-1 | 24398    | 24883    | 24064    | 24449    | 1.68   | cps   |
| Tin        | 118-1 | 46386    | 45775    | 47297    | 46486    | 1.65   | cps   |
| Titanium   | 47-1  | 7335     | 7244     | 6810     | 7130     | 3.94   | cps   |
| Uranium    | 238-1 | 32124    | 31439    | 31665    | 31743    | 1.10   | cps   |
| Vanadium   | 51-2  | 15275    | 14744    | 15228    | 15082    | 1.95   | cps   |
| Yttrium    | 89-2  | 1879422  | 1882807  | 1875283  | 1879171  | 0.20   | cps   |
| Yttrium    | 89-1  | 11390803 | 11429015 | 11443748 | 11421189 | 0.24   | cps   |
| Zinc       | 66-2  | 1470     | 1507     | 1503     | 1493     | 1.36   | cps   |
| Zirconium  | 90-1  | 18521    | 18413    | 17670    | 18201    | 2.55   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                 |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:02:35 | DataFile Name :   | 024LCSE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 4109 | 4384 | 4201 | 4231    | 3.31   | cps   |



LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : I2197-02 Instrumnet Name : P7  
 Client Sample ID : PT-TM1-WP Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 14:06:06 DataFile Name : 025SMPL\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 145148   | 145248   | 147016   | 145804   | 0.72   | cps   |
| Antimony   | 121-1 | 1746506  | 1759742  | 1758453  | 1754901  | 0.42   | cps   |
| Arsenic    | 75-2  | 348495   | 350571   | 347583   | 348883   | 0.44   | cps   |
| Barium     | 135-1 | 4527839  | 4565711  | 4546094  | 4546548  | 0.42   | cps   |
| Barium     | 137-1 | 7991329  | 7994722  | 8042161  | 8009404  | 0.35   | cps   |
| Beryllium  | 9-1   | 362121   | 362278   | 362331   | 362243   | 0.03   | cps   |
| Bismuth    | 209-1 | 8388309  | 8352092  | 8323002  | 8354467  | 0.39   | cps   |
| Bismuth    | 209-2 | 5560194  | 5613928  | 5602722  | 5592281  | 0.51   | cps   |
| Boron      | 10-1  | 160349   | 159035   | 161797   | 160394   | 0.86   | cps   |
| Boron      | 11-1  | 821053   | 839170   | 848080   | 836101   | 1.65   | cps   |
| Cadmium    | 106-1 | 53678    | 52934    | 54163    | 53591    | 1.16   | cps   |
| Cadmium    | 108-1 | 37918    | 36756    | 36806    | 37160    | 1.77   | cps   |
| Cadmium    | 111-1 | 562952   | 563026   | 564548   | 563509   | 0.16   | cps   |
| Calcium    | 43-1  | 4518     | 4242     | 4434     | 4398     | 3.21   | cps   |
| Calcium    | 44-1  | 54853    | 54744    | 54753    | 54783    | 0.11   | cps   |
| Chromium   | 52-2  | 882735   | 886882   | 879007   | 882875   | 0.45   | cps   |
| Cobalt     | 59-2  | 1528871  | 1539627  | 1526167  | 1531555  | 0.46   | cps   |
| Copper     | 63-2  | 2462742  | 2473551  | 2465041  | 2467112  | 0.23   | cps   |
| Dysprosium | 156-2 | 7        | 10       | 20       | 12       | 56.76  | cps   |
| Dysprosium | 156-1 | 17       | 50       | 17       | 28       | 69.27  | cps   |
| Erbium     | 164-1 | 92       | 33       | 117      | 81       | 53.09  | cps   |
| Erbium     | 164-2 | 37       | 27       | 17       | 27       | 37.50  | cps   |
| Gadolinium | 160-2 | 47       | 33       | 27       | 36       | 28.64  | cps   |
| Gadolinium | 160-1 | 108      | 100      | 125      | 111      | 11.46  | cps   |
| Holmium    | 165-2 | 7453218  | 7565289  | 7501672  | 7506726  | 0.75   | cps   |
| Holmium    | 165-1 | 13188581 | 13245576 | 13267781 | 13233979 | 0.31   | cps   |
| Indium     | 115-1 | 11211807 | 11226320 | 11210550 | 11216226 | 0.08   | cps   |
| Indium     | 115-2 | 2444504  | 2466249  | 2473885  | 2461546  | 0.62   | cps   |
| Iron       | 56-2  | 7600845  | 7577730  | 7530171  | 7569582  | 0.48   | cps   |
| Iron       | 57-2  | 182960   | 182853   | 182500   | 182771   | 0.13   | cps   |
| Lead       | 206-1 | 9118513  | 9217111  | 9197905  | 9177843  | 0.57   | cps   |
| Lead       | 207-1 | 8037087  | 8006494  | 8048074  | 8030552  | 0.27   | cps   |
| Lead       | 208-1 | 36838146 | 36756442 | 36626698 | 36740429 | 0.29   | cps   |
| Lithium    | 6-1   | 677980   | 677998   | 678820   | 678266   | 0.07   | cps   |
| Magnesium  | 24-2  | 233      | 275      | 158      | 222      | 26.61  | cps   |
| Manganese  | 55-2  | 2954950  | 2961913  | 2951130  | 2955998  | 0.18   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:06:06 | DataFile Name :   | 025SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 430898   | 426323   | 438954   | 432058   | 1.48   | cps   |
| Molybdenum | 95-1  | 751572   | 738392   | 746684   | 745549   | 0.89   | cps   |
| Molybdenum | 96-1  | 801513   | 795160   | 801685   | 799452   | 0.47   | cps   |
| Molybdenum | 97-1  | 466235   | 468457   | 465855   | 466849   | 0.30   | cps   |
| Molybdenum | 98-1  | 1203601  | 1201745  | 1206516  | 1203954  | 0.20   | cps   |
| Neodymium  | 150-1 | 207      | 213      | 227      | 216      | 4.72   | cps   |
| Neodymium  | 150-2 | 17       | 17       | 13       | 16       | 12.40  | cps   |
| Nickel     | 60-2  | 1306671  | 1312285  | 1305859  | 1308272  | 0.27   | cps   |
| Phosphorus | 31-2  | 267      | 300      | 250      | 272      | 9.35   | cps   |
| Potassium  | 39-2  | 60943    | 61913    | 63913    | 62257    | 2.43   | cps   |
| Rhodium    | 103-2 | 5017576  | 5083320  | 5064886  | 5055261  | 0.67   | cps   |
| Rhodium    | 103-1 | 10386639 | 10308020 | 10455555 | 10383405 | 0.71   | cps   |
| Scandium   | 45-1  | 6371359  | 6342993  | 6416171  | 6376841  | 0.58   | cps   |
| Scandium   | 45-2  | 327402   | 330664   | 329338   | 329135   | 0.50   | cps   |
| Selenium   | 77-2  | 1693     | 1880     | 1673     | 1749     | 6.52   | cps   |
| Selenium   | 78-2  | 5747     | 5953     | 5903     | 5868     | 1.83   | cps   |
| Selenium   | 82-1  | 30650    | 30559    | 31226    | 30811    | 1.17   | cps   |
| Silicon    | 28-1  | 3738794  | 3732162  | 3751415  | 3740790  | 0.26   | cps   |
| Silver     | 109-1 | 4069546  | 4067766  | 4087067  | 4074793  | 0.26   | cps   |
| Silver     | 107-1 | 4235122  | 4206715  | 4231605  | 4224481  | 0.37   | cps   |
| Sodium     | 23-2  | 61912    | 61284    | 62522    | 61906    | 1.00   | cps   |
| Strontium  | 86-1  | 1231592  | 1229478  | 1238273  | 1233114  | 0.37   | cps   |
| Strontium  | 88-1  | 11035995 | 10958152 | 10982730 | 10992293 | 0.36   | cps   |
| Sulfur     | 34-1  | 529677   | 523426   | 524220   | 525775   | 0.65   | cps   |
| Terbium    | 159-1 | 13627223 | 13697319 | 13846594 | 13723712 | 0.82   | cps   |
| Terbium    | 159-2 | 7393641  | 7464783  | 7350093  | 7402839  | 0.78   | cps   |
| Thallium   | 203-1 | 1236752  | 1236347  | 1235451  | 1236183  | 0.05   | cps   |
| Thallium   | 205-1 | 2958091  | 2988859  | 2976609  | 2974520  | 0.52   | cps   |
| Tin        | 118-1 | 1208     | 1367     | 1283     | 1286     | 6.17   | cps   |
| Titanium   | 47-1  | 317      | 475      | 550      | 447      | 26.64  | cps   |
| Uranium    | 238-1 | 133      | 83       | 50       | 89       | 47.19  | cps   |
| Vanadium   | 51-2  | 5380705  | 5458132  | 5398016  | 5412284  | 0.75   | cps   |
| Yttrium    | 89-2  | 1895030  | 1918521  | 1901836  | 1905129  | 0.63   | cps   |
| Yttrium    | 89-1  | 11662983 | 11693898 | 11777866 | 11711582 | 0.51   | cps   |
| Zinc       | 66-2  | 600809   | 603998   | 601848   | 602219   | 0.27   | cps   |
| Zirconium  | 90-1  | 14525    | 14992    | 15334    | 14950    | 2.72   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:06:06 | DataFile Name :   | 025SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 4034 | 3892 | 4459 | 4129    | 7.15   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:09:33 | DataFile Name :   | 026SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 4009     | 3609     | 3359     | 3659     | 8.96   | cps   |
| Antimony   | 121-1 | 3909     | 4109     | 4784     | 4268     | 10.75  | cps   |
| Arsenic    | 75-2  | 370      | 407      | 430      | 402      | 7.44   | cps   |
| Barium     | 135-1 | 608      | 667      | 533      | 603      | 11.09  | cps   |
| Barium     | 137-1 | 1000     | 958      | 858      | 939      | 7.75   | cps   |
| Beryllium  | 9-1   | 128      | 111      | 67       | 102      | 31.01  | cps   |
| Bismuth    | 209-1 | 8356097  | 8284490  | 8178724  | 8273104  | 1.08   | cps   |
| Bismuth    | 209-2 | 5584729  | 5552966  | 5561162  | 5566286  | 0.30   | cps   |
| Boron      | 10-1  | 22618    | 23369    | 22142    | 22709    | 2.72   | cps   |
| Boron      | 11-1  | 115379   | 117739   | 115547   | 116221   | 1.13   | cps   |
| Cadmium    | 106-1 | 3017     | 3092     | 3234     | 3114     | 3.53   | cps   |
| Cadmium    | 108-1 | 25       | 58       | 17       | 33       | 66.13  | cps   |
| Cadmium    | 111-1 | 2145     | 2145     | 2294     | 2194     | 3.93   | cps   |
| Calcium    | 43-1  | 450      | 275      | 408      | 378      | 24.20  | cps   |
| Calcium    | 44-1  | 23127    | 23052    | 23311    | 23163    | 0.58   | cps   |
| Chromium   | 52-2  | 873      | 933      | 827      | 878      | 6.09   | cps   |
| Cobalt     | 59-2  | 523      | 570      | 490      | 528      | 7.61   | cps   |
| Copper     | 63-2  | 1120     | 1080     | 1217     | 1139     | 6.17   | cps   |
| Dysprosium | 156-2 | 3        | 3        | 0        | 2        | 86.60  | cps   |
| Dysprosium | 156-1 | 17       | 25       | 33       | 25       | 33.32  | cps   |
| Erbium     | 164-1 | 33       | 50       | 108      | 64       | 61.65  | cps   |
| Erbium     | 164-2 | 17       | 20       | 17       | 18       | 10.81  | cps   |
| Gadolinium | 160-2 | 53       | 60       | 70       | 61       | 13.73  | cps   |
| Gadolinium | 160-1 | 92       | 83       | 125      | 100      | 22.05  | cps   |
| Holmium    | 165-2 | 7521599  | 7374356  | 7393853  | 7429936  | 1.08   | cps   |
| Holmium    | 165-1 | 13257141 | 13235452 | 13120043 | 13204212 | 0.56   | cps   |
| Indium     | 115-1 | 10925077 | 10839725 | 10904333 | 10889712 | 0.41   | cps   |
| Indium     | 115-2 | 2354041  | 2332852  | 2339198  | 2342030  | 0.46   | cps   |
| Iron       | 56-2  | 8970     | 8992     | 9120     | 9027     | 0.90   | cps   |
| Iron       | 57-2  | 194      | 189      | 272      | 219      | 21.32  | cps   |
| Lead       | 206-1 | 3273     | 3078     | 3389     | 3247     | 4.84   | cps   |
| Lead       | 207-1 | 2856     | 2684     | 3089     | 2876     | 7.08   | cps   |
| Lead       | 208-1 | 13025    | 13081    | 13631    | 13246    | 2.53   | cps   |
| Lithium    | 6-1   | 674785   | 671512   | 670143   | 672147   | 0.35   | cps   |
| Magnesium  | 24-2  | 333      | 225      | 400      | 319      | 27.65  | cps   |
| Manganese  | 55-2  | 210      | 190      | 170      | 190      | 10.53  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:09:33 | DataFile Name :   | 026SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD  | Units |
|------------|-------|----------|----------|----------|----------|---------|-------|
| Molybdenum | 94-1  | 8011     | 7978     | 8678     | 8222     | 4.80    | cps   |
| Molybdenum | 95-1  | 1784     | 2417     | 3134     | 2445     | 27.63   | cps   |
| Molybdenum | 96-1  | 3117     | 3609     | 4526     | 3751     | 19.06   | cps   |
| Molybdenum | 97-1  | 1242     | 1759     | 2100     | 1700     | 25.42   | cps   |
| Molybdenum | 98-1  | 2800     | 3867     | 4968     | 3878     | 27.94   | cps   |
| Neodymium  | 150-1 | 33       | 7        | 33       | 24       | 62.97   | cps   |
| Neodymium  | 150-2 | 3        | 3        | 3        | 3        | 0.00    | cps   |
| Nickel     | 60-2  | 960      | 803      | 763      | 842      | 12.34   | cps   |
| Phosphorus | 31-2  | 275      | 283      | 217      | 258      | 14.06   | cps   |
| Potassium  | 39-2  | 69890    | 70996    | 69346    | 70077    | 1.20    | cps   |
| Rhodium    | 103-2 | 5034816  | 4974536  | 5072795  | 5027382  | 0.99    | cps   |
| Rhodium    | 103-1 | 10347287 | 10406415 | 10430115 | 10394606 | 0.41    | cps   |
| Scandium   | 45-1  | 6448375  | 6399525  | 6341771  | 6396557  | 0.83    | cps   |
| Scandium   | 45-2  | 325691   | 327853   | 329040   | 327528   | 0.52    | cps   |
| Selenium   | 77-2  | 10       | 3        | 7        | 7        | 50.03   | cps   |
| Selenium   | 78-2  | 239      | 261      | 220      | 240      | 8.50    | cps   |
| Selenium   | 82-1  | 109      | -106     | 26       | 10       | 1099.20 | cps   |
| Silicon    | 28-1  | 6005343  | 5949105  | 5931547  | 5961998  | 0.65    | cps   |
| Silver     | 109-1 | 717      | 608      | 750      | 692      | 10.71   | cps   |
| Silver     | 107-1 | 692      | 742      | 783      | 739      | 6.21    | cps   |
| Sodium     | 23-2  | 92434    | 91788    | 91646    | 91956    | 0.46    | cps   |
| Strontium  | 86-1  | 4443     | 4501     | 4634     | 4526     | 2.17    | cps   |
| Strontium  | 88-1  | 1058     | 1067     | 917      | 1014     | 8.31    | cps   |
| Sulfur     | 34-1  | 503541   | 498035   | 494084   | 498553   | 0.95    | cps   |
| Terbium    | 159-1 | 13810237 | 13781531 | 13816782 | 13802850 | 0.14    | cps   |
| Terbium    | 159-2 | 7322055  | 7431385  | 7333065  | 7362168  | 0.82    | cps   |
| Thallium   | 203-1 | 325      | 408      | 500      | 411      | 21.29   | cps   |
| Thallium   | 205-1 | 1258     | 1058     | 1217     | 1178     | 8.96    | cps   |
| Tin        | 118-1 | 16119704 | 16036026 | 16045263 | 16066998 | 0.29    | cps   |
| Titanium   | 47-1  | 152903   | 154854   | 153070   | 153609   | 0.70    | cps   |
| Uranium    | 238-1 | 58       | 108      | 92       | 86       | 29.56   | cps   |
| Vanadium   | 51-2  | 320      | 237      | 273      | 277      | 15.10   | cps   |
| Yttrium    | 89-2  | 1893704  | 1878538  | 1898079  | 1890107  | 0.54    | cps   |
| Yttrium    | 89-1  | 11785706 | 11734082 | 11712792 | 11744193 | 0.32    | cps   |
| Zinc       | 66-2  | 220      | 177      | 147      | 181      | 20.36   | cps   |
| Zirconium  | 90-1  | 18179    | 17628    | 17553    | 17787    | 1.92    | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:09:33 | DataFile Name :   | 026SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 4243 | 3959 | 3959 | 4054    | 4.04   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:13:03 | DataFile Name :   | 027SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1225     | 1275     | 1283     | 1261     | 2.50   | cps   |
| Antimony   | 121-1 | 692      | 692      | 825      | 736      | 10.46  | cps   |
| Arsenic    | 75-2  | 31       | 39       | 43       | 38       | 15.02  | cps   |
| Barium     | 135-1 | 2300     | 2125     | 2159     | 2195     | 4.24   | cps   |
| Barium     | 137-1 | 3984     | 3951     | 3759     | 3898     | 3.12   | cps   |
| Beryllium  | 9-1   | 83       | 56       | 56       | 65       | 24.74  | cps   |
| Bismuth    | 209-1 | 9692368  | 9439206  | 9454161  | 9528578  | 1.49   | cps   |
| Bismuth    | 209-2 | 6345706  | 6412589  | 6341496  | 6366597  | 0.63   | cps   |
| Boron      | 10-1  | 1083     | 867      | 1200     | 1050     | 16.11  | cps   |
| Boron      | 11-1  | 5618     | 5435     | 5376     | 5476     | 2.30   | cps   |
| Cadmium    | 106-1 | 4101     | 3984     | 4117     | 4067     | 1.79   | cps   |
| Cadmium    | 108-1 | 13       | 33       | 13       | 19       | 61.85  | cps   |
| Cadmium    | 111-1 | 2878     | 2807     | 2903     | 2863     | 1.73   | cps   |
| Calcium    | 43-1  | 2599772  | 2593529  | 2561051  | 2584784  | 0.80   | cps   |
| Calcium    | 44-1  | 43578528 | 43393562 | 42827444 | 43266511 | 0.90   | cps   |
| Chromium   | 52-2  | 617      | 653      | 573      | 614      | 6.52   | cps   |
| Cobalt     | 59-2  | 67       | 97       | 77       | 80       | 19.09  | cps   |
| Copper     | 63-2  | 1120     | 977      | 1030     | 1042     | 6.95   | cps   |
| Dysprosium | 156-2 | 3        | 3        | 10       | 6        | 69.34  | cps   |
| Dysprosium | 156-1 | 8        | 0        | 17       | 8        | 100.02 | cps   |
| Erbium     | 164-1 | 67       | 100      | 50       | 72       | 35.26  | cps   |
| Erbium     | 164-2 | 27       | 23       | 30       | 27       | 12.51  | cps   |
| Gadolinium | 160-2 | 60       | 53       | 40       | 51       | 19.92  | cps   |
| Gadolinium | 160-1 | 142      | 117      | 58       | 106      | 40.51  | cps   |
| Holmium    | 165-2 | 8883483  | 8882482  | 8945200  | 8903722  | 0.40   | cps   |
| Holmium    | 165-1 | 16342319 | 16260085 | 16102602 | 16235002 | 0.75   | cps   |
| Indium     | 115-1 | 13761623 | 13711199 | 13461595 | 13644806 | 1.18   | cps   |
| Indium     | 115-2 | 2877102  | 2890640  | 2886144  | 2884629  | 0.24   | cps   |
| Iron       | 56-2  | 35683    | 32147    | 30020    | 32617    | 8.77   | cps   |
| Iron       | 57-2  | 1600     | 1556     | 1300     | 1485     | 10.90  | cps   |
| Lead       | 206-1 | 4651     | 4362     | 4201     | 4405     | 5.18   | cps   |
| Lead       | 207-1 | 4162     | 3917     | 3256     | 3778     | 12.40  | cps   |
| Lead       | 208-1 | 18784    | 17455    | 15977    | 17405    | 8.07   | cps   |
| Lithium    | 6-1   | 820602   | 815144   | 809966   | 815237   | 0.65   | cps   |
| Magnesium  | 24-2  | 2235960  | 2251665  | 2224632  | 2237419  | 0.61   | cps   |
| Manganese  | 55-2  | 637      | 733      | 700      | 690      | 7.12   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:13:03 | DataFile Name :   | 027SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD  | Units |
|------------|-------|----------|----------|----------|----------|---------|-------|
| Molybdenum | 94-1  | 900      | 625      | 892      | 806      | 19.42   | cps   |
| Molybdenum | 95-1  | 758      | 975      | 925      | 886      | 12.80   | cps   |
| Molybdenum | 96-1  | 908      | 900      | 1167     | 992      | 15.29   | cps   |
| Molybdenum | 97-1  | 483      | 558      | 725      | 589      | 21.01   | cps   |
| Molybdenum | 98-1  | 1292     | 1558     | 1600     | 1483     | 11.28   | cps   |
| Neodymium  | 150-1 | 20       | 7        | 7        | 11       | 69.25   | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00    | cps   |
| Nickel     | 60-2  | 290      | 240      | 220      | 250      | 14.42   | cps   |
| Phosphorus | 31-2  | 242      | 183      | 208      | 211      | 13.86   | cps   |
| Potassium  | 39-2  | 12780157 | 12764424 | 12705438 | 12750006 | 0.31    | cps   |
| Rhodium    | 103-2 | 5950636  | 5848952  | 5830188  | 5876592  | 1.10    | cps   |
| Rhodium    | 103-1 | 12593142 | 12365405 | 12364308 | 12440951 | 1.06    | cps   |
| Scandium   | 45-1  | 7841060  | 7735793  | 7866035  | 7814296  | 0.88    | cps   |
| Scandium   | 45-2  | 396527   | 396745   | 394126   | 395799   | 0.37    | cps   |
| Selenium   | 77-2  | 3        | 0        | 7        | 3        | 100.05  | cps   |
| Selenium   | 78-2  | 220      | 172      | 274      | 222      | 22.93   | cps   |
| Selenium   | 82-1  | -71      | 91       | -121     | -34      | -326.94 | cps   |
| Silicon    | 28-1  | 917278   | 922959   | 920532   | 920256   | 0.31    | cps   |
| Silver     | 109-1 | 375      | 383      | 342      | 367      | 6.01    | cps   |
| Silver     | 107-1 | 367      | 492      | 400      | 419      | 15.43   | cps   |
| Sodium     | 23-2  | 41483884 | 41211007 | 41448961 | 41381284 | 0.36    | cps   |
| Strontium  | 86-1  | 142181   | 140970   | 139555   | 140902   | 0.93    | cps   |
| Strontium  | 88-1  | 1211310  | 1190997  | 1187385  | 1196564  | 1.08    | cps   |
| Sulfur     | 34-1  | 513534   | 528508   | 534265   | 525436   | 2.04    | cps   |
| Terbium    | 159-1 | 17078623 | 16865988 | 16798938 | 16914516 | 0.86    | cps   |
| Terbium    | 159-2 | 8809556  | 8820843  | 8826448  | 8818949  | 0.10    | cps   |
| Thallium   | 203-1 | 283      | 267      | 333      | 294      | 11.78   | cps   |
| Thallium   | 205-1 | 700      | 783      | 567      | 683      | 15.99   | cps   |
| Tin        | 118-1 | 3651     | 3551     | 3667     | 3623     | 1.74    | cps   |
| Titanium   | 47-1  | 133      | 83       | 125      | 114      | 23.52   | cps   |
| Uranium    | 238-1 | 117      | 58       | 142      | 106      | 40.51   | cps   |
| Vanadium   | 51-2  | 103      | 103      | 77       | 94       | 16.30   | cps   |
| Yttrium    | 89-2  | 2277323  | 2273269  | 2273595  | 2274729  | 0.10    | cps   |
| Yttrium    | 89-1  | 14426912 | 14344906 | 14080832 | 14284217 | 1.27    | cps   |
| Zinc       | 66-2  | 750      | 810      | 730      | 763      | 5.45    | cps   |
| Zirconium  | 90-1  | 675      | 625      | 675      | 658      | 4.38    | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:13:03 | DataFile Name :   | 027SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 175  | 142  | 183  | 167     | 13.23  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:16:33 | DataFile Name :   | 028SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 148078   | 145165   | 145713   | 146319   | 1.06   | cps   |
| Antimony   | 121-1 | 1748994  | 1752425  | 1765627  | 1755682  | 0.50   | cps   |
| Arsenic    | 75-2  | 344427   | 347039   | 345931   | 345799   | 0.38   | cps   |
| Barium     | 135-1 | 4554345  | 4546607  | 4594609  | 4565187  | 0.56   | cps   |
| Barium     | 137-1 | 8115455  | 8119018  | 8126956  | 8120476  | 0.07   | cps   |
| Beryllium  | 9-1   | 359060   | 359264   | 363959   | 360761   | 0.77   | cps   |
| Bismuth    | 209-1 | 8396116  | 8386940  | 8500012  | 8427689  | 0.75   | cps   |
| Bismuth    | 209-2 | 5588675  | 5621954  | 5628050  | 5612893  | 0.38   | cps   |
| Boron      | 10-1  | 161419   | 162655   | 164138   | 162737   | 0.84   | cps   |
| Boron      | 11-1  | 837779   | 849151   | 850423   | 845784   | 0.82   | cps   |
| Cadmium    | 106-1 | 53903    | 52850    | 53720    | 53491    | 1.05   | cps   |
| Cadmium    | 108-1 | 37542    | 37780    | 37186    | 37503    | 0.80   | cps   |
| Cadmium    | 111-1 | 560307   | 554849   | 567768   | 560975   | 1.16   | cps   |
| Calcium    | 43-1  | 4476     | 4251     | 4526     | 4418     | 3.32   | cps   |
| Calcium    | 44-1  | 57672    | 56317    | 56333    | 56774    | 1.37   | cps   |
| Chromium   | 52-2  | 878954   | 883265   | 878979   | 880399   | 0.28   | cps   |
| Cobalt     | 59-2  | 1517197  | 1529068  | 1524943  | 1523736  | 0.40   | cps   |
| Copper     | 63-2  | 2450183  | 2464027  | 2457918  | 2457376  | 0.28   | cps   |
| Dysprosium | 156-2 | 7        | 17       | 7        | 10       | 57.72  | cps   |
| Dysprosium | 156-1 | 58       | 50       | 58       | 56       | 8.67   | cps   |
| Erbium     | 164-1 | 50       | 42       | 75       | 56       | 31.22  | cps   |
| Erbium     | 164-2 | 13       | 40       | 17       | 23       | 62.27  | cps   |
| Gadolinium | 160-2 | 27       | 23       | 23       | 24       | 7.89   | cps   |
| Gadolinium | 160-1 | 83       | 83       | 67       | 78       | 12.37  | cps   |
| Holmium    | 165-2 | 7412825  | 7529022  | 7477483  | 7473110  | 0.78   | cps   |
| Holmium    | 165-1 | 13167681 | 13295596 | 13352305 | 13271861 | 0.71   | cps   |
| Indium     | 115-1 | 11205820 | 11155887 | 11348352 | 11236686 | 0.89   | cps   |
| Indium     | 115-2 | 2430329  | 2452022  | 2450842  | 2444397  | 0.50   | cps   |
| Iron       | 56-2  | 7556604  | 7587233  | 7548626  | 7564154  | 0.27   | cps   |
| Iron       | 57-2  | 182416   | 182149   | 183128   | 182565   | 0.28   | cps   |
| Lead       | 206-1 | 9262267  | 9234095  | 9393808  | 9296723  | 0.92   | cps   |
| Lead       | 207-1 | 8194766  | 8206660  | 8191413  | 8197613  | 0.10   | cps   |
| Lead       | 208-1 | 37280543 | 37294698 | 37413564 | 37329602 | 0.20   | cps   |
| Lithium    | 6-1   | 678255   | 670783   | 674179   | 674406   | 0.55   | cps   |
| Magnesium  | 24-2  | 275      | 350      | 233      | 286      | 20.66  | cps   |
| Manganese  | 55-2  | 2922325  | 2934708  | 2940916  | 2932650  | 0.32   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:16:33 | DataFile Name :   | 028SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 425858   | 427151   | 431950   | 428320   | 0.75   | cps   |
| Molybdenum | 95-1  | 747961   | 743906   | 751379   | 747748   | 0.50   | cps   |
| Molybdenum | 96-1  | 800962   | 797826   | 795695   | 798161   | 0.33   | cps   |
| Molybdenum | 97-1  | 468636   | 461998   | 463997   | 464877   | 0.73   | cps   |
| Molybdenum | 98-1  | 1211338  | 1203985  | 1208827  | 1208050  | 0.31   | cps   |
| Neodymium  | 150-1 | 360      | 240      | 233      | 278      | 25.66  | cps   |
| Neodymium  | 150-2 | 23       | 13       | 20       | 19       | 26.96  | cps   |
| Nickel     | 60-2  | 1289033  | 1308299  | 1303661  | 1300331  | 0.77   | cps   |
| Phosphorus | 31-2  | 258      | 300      | 300      | 286      | 8.41   | cps   |
| Potassium  | 39-2  | 62893    | 63118    | 63427    | 63146    | 0.43   | cps   |
| Rhodium    | 103-2 | 5012086  | 5023119  | 5027804  | 5021003  | 0.16   | cps   |
| Rhodium    | 103-1 | 10366831 | 10336266 | 10347730 | 10350276 | 0.15   | cps   |
| Scandium   | 45-1  | 6427514  | 6354426  | 6392373  | 6391438  | 0.57   | cps   |
| Scandium   | 45-2  | 325422   | 327286   | 324965   | 325891   | 0.38   | cps   |
| Selenium   | 77-2  | 1740     | 1590     | 1763     | 1698     | 5.54   | cps   |
| Selenium   | 78-2  | 6009     | 5914     | 6109     | 6011     | 1.62   | cps   |
| Selenium   | 82-1  | 31081    | 31322    | 31138    | 31181    | 0.40   | cps   |
| Silicon    | 28-1  | 3720160  | 3714738  | 3714519  | 3716472  | 0.09   | cps   |
| Silver     | 109-1 | 4070348  | 4073748  | 4108687  | 4084261  | 0.52   | cps   |
| Silver     | 107-1 | 4232931  | 4231135  | 4225511  | 4229859  | 0.09   | cps   |
| Sodium     | 23-2  | 67779    | 65937    | 65929    | 66548    | 1.60   | cps   |
| Strontium  | 86-1  | 1217385  | 1212253  | 1235431  | 1221690  | 1.00   | cps   |
| Strontium  | 88-1  | 11001326 | 10885146 | 10999711 | 10962061 | 0.61   | cps   |
| Sulfur     | 34-1  | 588014   | 574497   | 566689   | 576400   | 1.87   | cps   |
| Terbium    | 159-1 | 13884790 | 13884214 | 13901592 | 13890199 | 0.07   | cps   |
| Terbium    | 159-2 | 7442282  | 7425470  | 7440404  | 7436052  | 0.12   | cps   |
| Thallium   | 203-1 | 1243319  | 1242750  | 1245980  | 1244016  | 0.14   | cps   |
| Thallium   | 205-1 | 2981133  | 2976103  | 2994011  | 2983749  | 0.31   | cps   |
| Tin        | 118-1 | 4326     | 5360     | 6318     | 5335     | 18.68  | cps   |
| Titanium   | 47-1  | 417      | 575      | 408      | 467      | 20.13  | cps   |
| Uranium    | 238-1 | 117      | 108      | 83       | 103      | 16.88  | cps   |
| Vanadium   | 51-2  | 5351788  | 5375097  | 5387599  | 5371495  | 0.34   | cps   |
| Yttrium    | 89-2  | 1887609  | 1896905  | 1898742  | 1894419  | 0.32   | cps   |
| Yttrium    | 89-1  | 11703217 | 11680506 | 11759593 | 11714439 | 0.35   | cps   |
| Zinc       | 66-2  | 598812   | 599244   | 603944   | 600667   | 0.47   | cps   |
| Zirconium  | 90-1  | 9870     | 10363    | 10154    | 10129    | 2.44   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-02            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-TM1-WP           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:16:33 | DataFile Name :   | 028SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 3050 | 3100 | 3592 | 3248    | 9.22   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:20:01 | DataFile Name :   | 029SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 7244     | 7052     | 7135     | 7144     | 1.35   | cps   |
| Antimony   | 121-1 | 3626     | 3976     | 4501     | 4034     | 10.92  | cps   |
| Arsenic    | 75-2  | 383      | 441      | 463      | 429      | 9.58   | cps   |
| Barium     | 135-1 | 683      | 692      | 550      | 642      | 12.39  | cps   |
| Barium     | 137-1 | 933      | 1167     | 892      | 997      | 14.86  | cps   |
| Beryllium  | 9-1   | 128      | 56       | 106      | 96       | 38.41  | cps   |
| Bismuth    | 209-1 | 8201418  | 8325952  | 8130169  | 8219180  | 1.21   | cps   |
| Bismuth    | 209-2 | 5557948  | 5548383  | 5525362  | 5543898  | 0.30   | cps   |
| Boron      | 10-1  | 23452    | 22568    | 22459    | 22826    | 2.39   | cps   |
| Boron      | 11-1  | 118361   | 118662   | 116757   | 117927   | 0.87   | cps   |
| Cadmium    | 106-1 | 3217     | 2967     | 3509     | 3231     | 8.39   | cps   |
| Cadmium    | 108-1 | 17       | 25       | 38       | 26       | 39.73  | cps   |
| Cadmium    | 111-1 | 2278     | 2093     | 2463     | 2278     | 8.13   | cps   |
| Calcium    | 43-1  | 1650     | 1675     | 1567     | 1631     | 3.48   | cps   |
| Calcium    | 44-1  | 41794    | 41810    | 41986    | 41863    | 0.25   | cps   |
| Chromium   | 52-2  | 923      | 880      | 890      | 898      | 2.53   | cps   |
| Cobalt     | 59-2  | 500      | 507      | 507      | 504      | 0.76   | cps   |
| Copper     | 63-2  | 1103     | 1210     | 1230     | 1181     | 5.77   | cps   |
| Dysprosium | 156-2 | 0        | 7        | 7        | 4        | 86.60  | cps   |
| Dysprosium | 156-1 | 8        | 42       | 58       | 36       | 70.51  | cps   |
| Erbium     | 164-1 | 83       | 58       | 25       | 56       | 52.68  | cps   |
| Erbium     | 164-2 | 30       | 37       | 27       | 31       | 16.37  | cps   |
| Gadolinium | 160-2 | 63       | 33       | 33       | 43       | 39.97  | cps   |
| Gadolinium | 160-1 | 92       | 67       | 75       | 78       | 16.37  | cps   |
| Holmium    | 165-2 | 7449978  | 7380299  | 7270342  | 7366873  | 1.23   | cps   |
| Holmium    | 165-1 | 13180256 | 13277056 | 13304998 | 13254103 | 0.49   | cps   |
| Indium     | 115-1 | 10798372 | 10848853 | 10789862 | 10812362 | 0.29   | cps   |
| Indium     | 115-2 | 2319510  | 2348115  | 2346726  | 2338117  | 0.69   | cps   |
| Iron       | 56-2  | 121084   | 122455   | 124019   | 122519   | 1.20   | cps   |
| Iron       | 57-2  | 3250     | 2761     | 3145     | 3052     | 8.43   | cps   |
| Lead       | 206-1 | 3878     | 4029     | 3895     | 3934     | 2.09   | cps   |
| Lead       | 207-1 | 3539     | 3351     | 3628     | 3506     | 4.05   | cps   |
| Lead       | 208-1 | 15776    | 15465    | 15815    | 15686    | 1.22   | cps   |
| Lithium    | 6-1   | 673685   | 665987   | 670366   | 670013   | 0.58   | cps   |
| Magnesium  | 24-2  | 9028     | 8786     | 9078     | 8964     | 1.74   | cps   |
| Manganese  | 55-2  | 243      | 190      | 203      | 212      | 13.08  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:20:01 | DataFile Name :   | 029SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 8845     | 9887     | 9670     | 9467     | 5.81   | cps   |
| Molybdenum | 95-1  | 5435     | 6027     | 6644     | 6035     | 10.02  | cps   |
| Molybdenum | 96-1  | 7269     | 7394     | 8536     | 7733     | 9.03   | cps   |
| Molybdenum | 97-1  | 3509     | 3892     | 4251     | 3884     | 9.55   | cps   |
| Molybdenum | 98-1  | 8603     | 9620     | 11163    | 9795     | 13.16  | cps   |
| Neodymium  | 150-1 | 20       | 27       | 0        | 16       | 89.22  | cps   |
| Neodymium  | 150-2 | 10       | 0        | 7        | 6        | 91.64  | cps   |
| Nickel     | 60-2  | 760      | 757      | 763      | 760      | 0.44   | cps   |
| Phosphorus | 31-2  | 467      | 450      | 625      | 514      | 18.79  | cps   |
| Potassium  | 39-2  | 80451    | 79772    | 81256    | 80493    | 0.92   | cps   |
| Rhodium    | 103-2 | 5011217  | 5053367  | 5032811  | 5032465  | 0.42   | cps   |
| Rhodium    | 103-1 | 10337236 | 10346633 | 10348733 | 10344200 | 0.06   | cps   |
| Scandium   | 45-1  | 6347244  | 6305754  | 6327981  | 6326993  | 0.33   | cps   |
| Scandium   | 45-2  | 323082   | 327004   | 326022   | 325369   | 0.63   | cps   |
| Selenium   | 77-2  | 7        | 7        | 7        | 7        | 0.00   | cps   |
| Selenium   | 78-2  | 209      | 237      | 244      | 230      | 8.06   | cps   |
| Selenium   | 82-1  | 89       | 104      | -33      | 53       | 140.21 | cps   |
| Silicon    | 28-1  | 5898970  | 5896289  | 5904278  | 5899846  | 0.07   | cps   |
| Silver     | 109-1 | 783      | 700      | 583      | 689      | 14.58  | cps   |
| Silver     | 107-1 | 842      | 833      | 725      | 800      | 8.14   | cps   |
| Sodium     | 23-2  | 110102   | 110102   | 110705   | 110303   | 0.32   | cps   |
| Strontium  | 86-1  | 4459     | 4493     | 4267     | 4406     | 2.76   | cps   |
| Strontium  | 88-1  | 1759     | 1408     | 1742     | 1636     | 12.07  | cps   |
| Sulfur     | 34-1  | 525881   | 526706   | 518203   | 523597   | 0.90   | cps   |
| Terbium    | 159-1 | 13781914 | 13824850 | 13724299 | 13777021 | 0.37   | cps   |
| Terbium    | 159-2 | 7347477  | 7434847  | 7303755  | 7362026  | 0.91   | cps   |
| Thallium   | 203-1 | 608      | 483      | 417      | 503      | 19.35  | cps   |
| Thallium   | 205-1 | 1425     | 1258     | 1000     | 1228     | 17.44  | cps   |
| Tin        | 118-1 | 15947981 | 15994957 | 16055725 | 15999554 | 0.34   | cps   |
| Titanium   | 47-1  | 153062   | 154501   | 153499   | 153688   | 0.48   | cps   |
| Uranium    | 238-1 | 117      | 83       | 67       | 89       | 28.64  | cps   |
| Vanadium   | 51-2  | 253      | 293      | 257      | 268      | 8.29   | cps   |
| Yttrium    | 89-2  | 1877403  | 1882713  | 1890979  | 1883699  | 0.36   | cps   |
| Yttrium    | 89-1  | 11594654 | 11517391 | 11657371 | 11589806 | 0.60   | cps   |
| Zinc       | 66-2  | 173      | 260      | 223      | 219      | 19.87  | cps   |
| Zirconium  | 90-1  | 16852    | 16469    | 16193    | 16505    | 2.01   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-04            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-SNTI-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:20:01 | DataFile Name :   | 029SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 3459 | 3709 | 3676 | 3615    | 3.76   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:23:32 | DataFile Name :   | 030SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 25       | 58       | 58       | 47       | 40.76  | cps   |
| Antimony   | 121-1 | 558      | 667      | 708      | 644      | 12.02  | cps   |
| Arsenic    | 75-2  | 52       | 24       | 31       | 36       | 40.18  | cps   |
| Barium     | 135-1 | 2125     | 2142     | 2217     | 2161     | 2.26   | cps   |
| Barium     | 137-1 | 3967     | 3901     | 4001     | 3956     | 1.29   | cps   |
| Beryllium  | 9-1   | 78       | 117      | 50       | 81       | 41.10  | cps   |
| Bismuth    | 209-1 | 9545249  | 9587825  | 9435477  | 9522850  | 0.83   | cps   |
| Bismuth    | 209-2 | 6279237  | 6262713  | 6284965  | 6275638  | 0.18   | cps   |
| Boron      | 10-1  | 1183     | 1325     | 1142     | 1217     | 7.90   | cps   |
| Boron      | 11-1  | 6635     | 6493     | 5801     | 6310     | 7.07   | cps   |
| Cadmium    | 106-1 | 4167     | 4243     | 3792     | 4067     | 5.93   | cps   |
| Cadmium    | 108-1 | 4        | 0        | 13       | 6        | 114.53 | cps   |
| Cadmium    | 111-1 | 2939     | 3024     | 2654     | 2872     | 6.74   | cps   |
| Calcium    | 43-1  | 2640121  | 2589415  | 2575367  | 2601635  | 1.31   | cps   |
| Calcium    | 44-1  | 44461393 | 43117126 | 43176403 | 43584974 | 1.74   | cps   |
| Chromium   | 52-2  | 603      | 610      | 550      | 588      | 5.60   | cps   |
| Cobalt     | 59-2  | 100      | 90       | 77       | 89       | 13.17  | cps   |
| Copper     | 63-2  | 997      | 1033     | 1113     | 1048     | 5.69   | cps   |
| Dysprosium | 156-2 | 7        | 3        | 0        | 3        | 100.05 | cps   |
| Dysprosium | 156-1 | 8        | 0        | 17       | 8        | 100.02 | cps   |
| Erbium     | 164-1 | 58       | 83       | 42       | 61       | 34.32  | cps   |
| Erbium     | 164-2 | 20       | 40       | 30       | 30       | 33.33  | cps   |
| Gadolinium | 160-2 | 37       | 57       | 53       | 49       | 21.91  | cps   |
| Gadolinium | 160-1 | 58       | 108      | 83       | 83       | 30.00  | cps   |
| Holmium    | 165-2 | 8932581  | 8824338  | 8750886  | 8835935  | 1.03   | cps   |
| Holmium    | 165-1 | 16334808 | 16113286 | 15755399 | 16067831 | 1.82   | cps   |
| Indium     | 115-1 | 13535321 | 13442727 | 13614968 | 13531005 | 0.64   | cps   |
| Indium     | 115-2 | 2868469  | 2873084  | 2876941  | 2872831  | 0.15   | cps   |
| Iron       | 56-2  | 6896     | 6846     | 7319     | 7020     | 3.70   | cps   |
| Iron       | 57-2  | 933      | 867      | 667      | 822      | 16.88  | cps   |
| Lead       | 206-1 | 4262     | 3840     | 3651     | 3917     | 7.99   | cps   |
| Lead       | 207-1 | 3534     | 3339     | 3123     | 3332     | 6.17   | cps   |
| Lead       | 208-1 | 16432    | 15415    | 14159    | 15335    | 7.43   | cps   |
| Lithium    | 6-1   | 826958   | 807107   | 811047   | 815037   | 1.29   | cps   |
| Magnesium  | 24-2  | 2220670  | 2228471  | 2227557  | 2225566  | 0.19   | cps   |
| Manganese  | 55-2  | 700      | 637      | 633      | 657      | 5.72   | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:23:32 | DataFile Name :   | 030SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD  | Units |
|------------|-------|----------|----------|----------|----------|---------|-------|
| Molybdenum | 94-1  | 675      | 708      | 592      | 658      | 9.13    | cps   |
| Molybdenum | 95-1  | 550      | 608      | 925      | 694      | 29.06   | cps   |
| Molybdenum | 96-1  | 758      | 975      | 867      | 867      | 12.50   | cps   |
| Molybdenum | 97-1  | 442      | 575      | 583      | 533      | 14.90   | cps   |
| Molybdenum | 98-1  | 1033     | 1225     | 1167     | 1142     | 8.61    | cps   |
| Neodymium  | 150-1 | 7        | 0        | 7        | 4        | 86.60   | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0        | 1        | 173.21  | cps   |
| Nickel     | 60-2  | 230      | 273      | 260      | 254      | 8.72    | cps   |
| Phosphorus | 31-2  | 225      | 233      | 267      | 242      | 9.12    | cps   |
| Potassium  | 39-2  | 12605691 | 12769345 | 12747305 | 12707447 | 0.70    | cps   |
| Rhodium    | 103-2 | 5835140  | 5916849  | 5827626  | 5859872  | 0.84    | cps   |
| Rhodium    | 103-1 | 12453137 | 12346757 | 12223713 | 12341202 | 0.93    | cps   |
| Scandium   | 45-1  | 7942567  | 7878547  | 7760322  | 7860479  | 1.18    | cps   |
| Scandium   | 45-2  | 389033   | 395007   | 394992   | 393011   | 0.88    | cps   |
| Selenium   | 77-2  | 0        | 3        | 3        | 2        | 86.60   | cps   |
| Selenium   | 78-2  | 198      | 200      | 246      | 215      | 12.70   | cps   |
| Selenium   | 82-1  | -123     | -91      | 80       | -45      | -243.31 | cps   |
| Silicon    | 28-1  | 920243   | 918983   | 925141   | 921456   | 0.35    | cps   |
| Silver     | 109-1 | 433      | 425      | 508      | 456      | 10.07   | cps   |
| Silver     | 107-1 | 433      | 475      | 375      | 428      | 11.74   | cps   |
| Sodium     | 23-2  | 41205763 | 41609443 | 41428924 | 41414710 | 0.49    | cps   |
| Strontium  | 86-1  | 143678   | 138672   | 139877   | 140742   | 1.86    | cps   |
| Strontium  | 88-1  | 1210980  | 1185066  | 1189620  | 1195222  | 1.16    | cps   |
| Sulfur     | 34-1  | 520448   | 536432   | 537024   | 531301   | 1.77    | cps   |
| Terbium    | 159-1 | 17139183 | 16695160 | 16574512 | 16802952 | 1.77    | cps   |
| Terbium    | 159-2 | 8773660  | 8756914  | 8747035  | 8759203  | 0.15    | cps   |
| Thallium   | 203-1 | 233      | 317      | 225      | 258      | 19.62   | cps   |
| Thallium   | 205-1 | 725      | 717      | 633      | 692      | 7.33    | cps   |
| Tin        | 118-1 | 3276     | 2992     | 3042     | 3103     | 4.87    | cps   |
| Titanium   | 47-1  | 142      | 92       | 100      | 111      | 24.11   | cps   |
| Uranium    | 238-1 | 92       | 150      | 75       | 106      | 37.31   | cps   |
| Vanadium   | 51-2  | 127      | 103      | 100      | 110      | 13.21   | cps   |
| Yttrium    | 89-2  | 2258858  | 2265180  | 2261691  | 2261910  | 0.14    | cps   |
| Yttrium    | 89-1  | 14292020 | 14201494 | 14266243 | 14253252 | 0.33    | cps   |
| Zinc       | 66-2  | 703      | 693      | 683      | 693      | 1.44    | cps   |
| Zirconium  | 90-1  | 708      | 792      | 617      | 706      | 12.41   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06            | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WP          | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:23:32 | DataFile Name :   | 030SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 158  | 150  | 125  | 144     | 12.01  | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : I2197-06DLX2 Instrumnet Name : P7  
 Client Sample ID : PT-MIN2-WPDL Dilution Factor : 2  
 Date & Time Acquired :: 2017-03-31 14:27:01 DataFile Name : 031SMPL\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 33       | 100      | 58       | 64       | 52.72  | cps   |
| Antimony   | 121-1 | 917      | 908      | 817      | 881      | 6.30   | cps   |
| Arsenic    | 75-2  | 85       | 72       | 111      | 90       | 22.12  | cps   |
| Barium     | 135-1 | 992      | 942      | 958      | 964      | 2.64   | cps   |
| Barium     | 137-1 | 1700     | 1533     | 1475     | 1570     | 7.44   | cps   |
| Beryllium  | 9-1   | 67       | 83       | 128      | 93       | 34.11  | cps   |
| Bismuth    | 209-1 | 8442761  | 8525355  | 8516682  | 8494933  | 0.53   | cps   |
| Bismuth    | 209-2 | 5667987  | 5680919  | 5719446  | 5689451  | 0.47   | cps   |
| Boron      | 10-1  | 1392     | 1300     | 1092     | 1261     | 12.19  | cps   |
| Boron      | 11-1  | 6360     | 6460     | 6552     | 6457     | 1.49   | cps   |
| Cadmium    | 106-1 | 3651     | 3734     | 3442     | 3609     | 4.16   | cps   |
| Cadmium    | 108-1 | 8        | 13       | 4        | 8        | 49.98  | cps   |
| Cadmium    | 111-1 | 2575     | 2626     | 2436     | 2545     | 3.86   | cps   |
| Calcium    | 43-1  | 1124218  | 1113997  | 1111352  | 1116523  | 0.61   | cps   |
| Calcium    | 44-1  | 18946480 | 18930819 | 18867685 | 18914995 | 0.22   | cps   |
| Chromium   | 52-2  | 730      | 530      | 623      | 628      | 15.94  | cps   |
| Cobalt     | 59-2  | 60       | 117      | 50       | 76       | 47.59  | cps   |
| Copper     | 63-2  | 1000     | 933      | 887      | 940      | 6.06   | cps   |
| Dysprosium | 156-2 | 3        | 13       | 10       | 9        | 57.30  | cps   |
| Dysprosium | 156-1 | 0        | 25       | 17       | 14       | 91.65  | cps   |
| Erbium     | 164-1 | 58       | 75       | 17       | 50       | 60.09  | cps   |
| Erbium     | 164-2 | 17       | 43       | 17       | 26       | 60.23  | cps   |
| Gadolinium | 160-2 | 37       | 57       | 33       | 42       | 29.89  | cps   |
| Gadolinium | 160-1 | 117      | 83       | 100      | 100      | 16.66  | cps   |
| Holmium    | 165-2 | 7838655  | 7771773  | 7792848  | 7801092  | 0.44   | cps   |
| Holmium    | 165-1 | 13870950 | 13738306 | 13831866 | 13813707 | 0.49   | cps   |
| Indium     | 115-1 | 11625337 | 11601033 | 11639992 | 11622121 | 0.17   | cps   |
| Indium     | 115-2 | 2533302  | 2556632  | 2576355  | 2555430  | 0.84   | cps   |
| Iron       | 56-2  | 8175     | 7586     | 8075     | 7945     | 3.97   | cps   |
| Iron       | 57-2  | 444      | 372      | 444      | 420      | 9.92   | cps   |
| Lead       | 206-1 | 4217     | 4140     | 4334     | 4230     | 2.31   | cps   |
| Lead       | 207-1 | 3206     | 3695     | 3545     | 3482     | 7.20   | cps   |
| Lead       | 208-1 | 15632    | 16705    | 16466    | 16267    | 3.46   | cps   |
| Lithium    | 6-1   | 706230   | 710282   | 708352   | 708288   | 0.29   | cps   |
| Magnesium  | 24-2  | 976742   | 979299   | 978775   | 978272   | 0.14   | cps   |
| Manganese  | 55-2  | 307      | 370      | 383      | 353      | 11.59  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:27:01 | DataFile Name :   | 031SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 608      | 750      | 792      | 717      | 13.41  | cps   |
| Molybdenum | 95-1  | 500      | 733      | 875      | 703      | 26.95  | cps   |
| Molybdenum | 96-1  | 833      | 858      | 1283     | 992      | 25.50  | cps   |
| Molybdenum | 97-1  | 508      | 550      | 608      | 556      | 9.04   | cps   |
| Molybdenum | 98-1  | 767      | 1167     | 1692     | 1208     | 38.39  | cps   |
| Neodymium  | 150-1 | 7        | 13       | 20       | 13       | 49.99  | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 223      | 173      | 237      | 211      | 15.81  | cps   |
| Phosphorus | 31-2  | 192      | 200      | 258      | 217      | 16.77  | cps   |
| Potassium  | 39-2  | 5627905  | 5632693  | 5633682  | 5631427  | 0.05   | cps   |
| Rhodium    | 103-2 | 5128933  | 5179129  | 5188736  | 5165599  | 0.62   | cps   |
| Rhodium    | 103-1 | 10816631 | 10741302 | 10724838 | 10760924 | 0.45   | cps   |
| Scandium   | 45-1  | 6808044  | 6742079  | 6833752  | 6794625  | 0.70   | cps   |
| Scandium   | 45-2  | 345349   | 344513   | 347876   | 345913   | 0.51   | cps   |
| Selenium   | 77-2  | 0        | 7        | 3        | 3        | 100.05 | cps   |
| Selenium   | 78-2  | 257      | 172      | 222      | 217      | 19.70  | cps   |
| Selenium   | 82-1  | 282      | 34       | 186      | 167      | 74.60  | cps   |
| Silicon    | 28-1  | 963297   | 953688   | 954113   | 957033   | 0.57   | cps   |
| Silver     | 109-1 | 283      | 233      | 117      | 211      | 40.51  | cps   |
| Silver     | 107-1 | 358      | 300      | 283      | 314      | 12.55  | cps   |
| Sodium     | 23-2  | 18208545 | 18216574 | 18558252 | 18327790 | 1.09   | cps   |
| Strontium  | 86-1  | 63809    | 64503    | 61834    | 63382    | 2.18   | cps   |
| Strontium  | 88-1  | 518703   | 513899   | 512403   | 515002   | 0.64   | cps   |
| Sulfur     | 34-1  | 609825   | 606305   | 607606   | 607912   | 0.29   | cps   |
| Terbium    | 159-1 | 14488007 | 14371964 | 14401009 | 14420326 | 0.42   | cps   |
| Terbium    | 159-2 | 7717125  | 7633973  | 7725212  | 7692103  | 0.66   | cps   |
| Thallium   | 203-1 | 217      | 142      | 150      | 169      | 24.26  | cps   |
| Thallium   | 205-1 | 542      | 425      | 408      | 458      | 15.85  | cps   |
| Tin        | 118-1 | 3359     | 3817     | 4493     | 3890     | 14.66  | cps   |
| Titanium   | 47-1  | 167      | 158      | 100      | 142      | 25.64  | cps   |
| Uranium    | 238-1 | 108      | 92       | 50       | 83       | 36.06  | cps   |
| Vanadium   | 51-2  | 47       | 37       | 77       | 53       | 39.03  | cps   |
| Yttrium    | 89-2  | 1971171  | 1987831  | 1996924  | 1985308  | 0.66   | cps   |
| Yttrium    | 89-1  | 12451104 | 12379018 | 12366080 | 12398734 | 0.37   | cps   |
| Zinc       | 66-2  | 543      | 443      | 493      | 493      | 10.13  | cps   |
| Zirconium  | 90-1  | 650      | 783      | 725      | 720      | 9.29   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2197-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:27:01 | DataFile Name :   | 031SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 133  | 175  | 167  | 158     | 13.93  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:30:31 | DataFile Name :   | 032SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 58       | 67       | 58       | 61       | 7.87   | cps   |
| Antimony   | 121-1 | 775      | 692      | 858      | 775      | 10.75  | cps   |
| Arsenic    | 75-2  | 50       | 44       | 67       | 54       | 21.54  | cps   |
| Barium     | 135-1 | 1150     | 1075     | 858      | 1028     | 14.74  | cps   |
| Barium     | 137-1 | 1775     | 1650     | 1483     | 1636     | 8.94   | cps   |
| Beryllium  | 9-1   | 78       | 56       | 50       | 61       | 24.05  | cps   |
| Bismuth    | 209-1 | 8720118  | 8417190  | 8423930  | 8520413  | 2.03   | cps   |
| Bismuth    | 209-2 | 5660282  | 5673472  | 5644276  | 5659343  | 0.26   | cps   |
| Boron      | 10-1  | 833      | 983      | 942      | 920      | 8.42   | cps   |
| Boron      | 11-1  | 4843     | 5093     | 4326     | 4754     | 8.23   | cps   |
| Cadmium    | 106-1 | 3759     | 3984     | 3492     | 3745     | 6.57   | cps   |
| Cadmium    | 108-1 | 8        | 4        | 8        | 7        | 34.59  | cps   |
| Cadmium    | 111-1 | 2630     | 2798     | 2455     | 2628     | 6.53   | cps   |
| Calcium    | 43-1  | 1121962  | 1129934  | 1110257  | 1120718  | 0.88   | cps   |
| Calcium    | 44-1  | 18874330 | 19061300 | 18710201 | 18881944 | 0.93   | cps   |
| Chromium   | 52-2  | 617      | 657      | 553      | 609      | 8.56   | cps   |
| Cobalt     | 59-2  | 63       | 40       | 50       | 51       | 22.90  | cps   |
| Copper     | 63-2  | 987      | 1010     | 873      | 957      | 7.64   | cps   |
| Dysprosium | 156-2 | 7        | 3        | 3        | 4        | 43.40  | cps   |
| Dysprosium | 156-1 | 17       | 8        | 8        | 11       | 43.34  | cps   |
| Erbium     | 164-1 | 42       | 42       | 17       | 33       | 43.30  | cps   |
| Erbium     | 164-2 | 43       | 23       | 33       | 33       | 30.00  | cps   |
| Gadolinium | 160-2 | 33       | 53       | 23       | 37       | 41.66  | cps   |
| Gadolinium | 160-1 | 75       | 67       | 117      | 86       | 31.11  | cps   |
| Holmium    | 165-2 | 7903234  | 7704579  | 7737296  | 7781703  | 1.37   | cps   |
| Holmium    | 165-1 | 14014542 | 13692338 | 13729110 | 13811997 | 1.28   | cps   |
| Indium     | 115-1 | 11743645 | 11662861 | 11615357 | 11673954 | 0.56   | cps   |
| Indium     | 115-2 | 2538869  | 2545808  | 2562827  | 2549168  | 0.48   | cps   |
| Iron       | 56-2  | 7847     | 7497     | 7763     | 7702     | 2.38   | cps   |
| Iron       | 57-2  | 428      | 478      | 494      | 467      | 7.43   | cps   |
| Lead       | 206-1 | 2873     | 3095     | 3428     | 3132     | 8.93   | cps   |
| Lead       | 207-1 | 2739     | 2767     | 2962     | 2823     | 4.29   | cps   |
| Lead       | 208-1 | 12108    | 12658    | 13581    | 12782    | 5.82   | cps   |
| Lithium    | 6-1   | 710976   | 709180   | 710121   | 710092   | 0.13   | cps   |
| Magnesium  | 24-2  | 982277   | 978621   | 989630   | 983509   | 0.57   | cps   |
| Manganese  | 55-2  | 337      | 377      | 343      | 352      | 6.08   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:30:31 | DataFile Name :   | 032SMPL_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD   | Units |
|------------|-------|----------|----------|----------|----------|----------|-------|
| Molybdenum | 94-1  | 492      | 608      | 533      | 544      | 10.86    | cps   |
| Molybdenum | 95-1  | 417      | 575      | 700      | 564      | 25.18    | cps   |
| Molybdenum | 96-1  | 542      | 733      | 692      | 656      | 15.38    | cps   |
| Molybdenum | 97-1  | 317      | 433      | 525      | 425      | 24.57    | cps   |
| Molybdenum | 98-1  | 700      | 858      | 1092     | 883      | 22.31    | cps   |
| Neodymium  | 150-1 | 7        | 0        | 27       | 11       | 124.89   | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60    | cps   |
| Nickel     | 60-2  | 247      | 200      | 210      | 219      | 11.22    | cps   |
| Phosphorus | 31-2  | 350      | 292      | 192      | 278      | 28.83    | cps   |
| Potassium  | 39-2  | 5605003  | 5643973  | 5641890  | 5630289  | 0.39     | cps   |
| Rhodium    | 103-2 | 5151441  | 5158485  | 5189215  | 5166380  | 0.39     | cps   |
| Rhodium    | 103-1 | 10801380 | 10741239 | 10625609 | 10722743 | 0.83     | cps   |
| Scandium   | 45-1  | 6841411  | 6838557  | 6673886  | 6784618  | 1.41     | cps   |
| Scandium   | 45-2  | 347767   | 346644   | 348035   | 347482   | 0.21     | cps   |
| Selenium   | 77-2  | 3        | 0        | 3        | 2        | 86.60    | cps   |
| Selenium   | 78-2  | 200      | 215      | 207      | 207      | 3.57     | cps   |
| Selenium   | 82-1  | -125     | 108      | 8        | -3       | -4443.76 | cps   |
| Silicon    | 28-1  | 968630   | 961631   | 962245   | 964169   | 0.40     | cps   |
| Silver     | 109-1 | 183      | 225      | 225      | 211      | 11.40    | cps   |
| Silver     | 107-1 | 267      | 225      | 283      | 258      | 11.63    | cps   |
| Sodium     | 23-2  | 18349485 | 18210640 | 18283550 | 18281225 | 0.38     | cps   |
| Strontium  | 86-1  | 62194    | 63458    | 62579    | 62744    | 1.03     | cps   |
| Strontium  | 88-1  | 519427   | 513935   | 508529   | 513964   | 1.06     | cps   |
| Sulfur     | 34-1  | 626202   | 621521   | 616161   | 621295   | 0.81     | cps   |
| Terbium    | 159-1 | 14529927 | 14506186 | 14275700 | 14437271 | 0.97     | cps   |
| Terbium    | 159-2 | 7660223  | 7749510  | 7660832  | 7690189  | 0.67     | cps   |
| Thallium   | 203-1 | 208      | 183      | 200      | 197      | 6.45     | cps   |
| Thallium   | 205-1 | 475      | 500      | 442      | 472      | 6.20     | cps   |
| Tin        | 118-1 | 1867     | 2517     | 2734     | 2373     | 19.01    | cps   |
| Titanium   | 47-1  | 125      | 150      | 100      | 125      | 20.00    | cps   |
| Uranium    | 238-1 | 83       | 75       | 67       | 75       | 11.11    | cps   |
| Vanadium   | 51-2  | 37       | 20       | 13       | 23       | 51.52    | cps   |
| Yttrium    | 89-2  | 1979609  | 1984471  | 1992741  | 1985607  | 0.33     | cps   |
| Yttrium    | 89-1  | 12360686 | 12247193 | 12274646 | 12294175 | 0.48     | cps   |
| Zinc       | 66-2  | 510      | 503      | 367      | 460      | 17.59    | cps   |
| Zirconium  | 90-1  | 758      | 667      | 642      | 689      | 8.92     | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | I2196-06DLX2        | Instrumnet Name : | P7                 |
| Client Sample ID :      | PT-MIN2-WPDL        | Dilution Factor : | 2                  |
| Date & Time Acquired :: | 2017-03-31 14:30:31 | DataFile Name :   | 032SMPL_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 158  | 200  | 108  | 156     | 29.50  | cps   |



LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : CCV49 Instrumnet Name : P7  
 Client Sample ID : CCV49 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 14:34:00 DataFile Name : 033CCV\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 988753   | 983297   | 982655   | 984901   | 0.34   | cps   |
| Antimony   | 121-1 | 5859016  | 5845715  | 5774599  | 5826443  | 0.78   | cps   |
| Arsenic    | 75-2  | 243796   | 244245   | 242948   | 243663   | 0.27   | cps   |
| Barium     | 135-1 | 7280444  | 7304507  | 7327682  | 7304211  | 0.32   | cps   |
| Barium     | 137-1 | 12552854 | 12515740 | 12600239 | 12556278 | 0.34   | cps   |
| Beryllium  | 9-1   | 588924   | 593521   | 594118   | 592187   | 0.48   | cps   |
| Bismuth    | 209-1 | 8063422  | 8045736  | 8078814  | 8062657  | 0.21   | cps   |
| Bismuth    | 209-2 | 5434389  | 5437118  | 5409566  | 5427024  | 0.28   | cps   |
| Boron      | 10-1  | 80598    | 79207    | 81804    | 80537    | 1.61   | cps   |
| Boron      | 11-1  | 414127   | 420051   | 424997   | 419725   | 1.30   | cps   |
| Cadmium    | 106-1 | 156555   | 157483   | 156810   | 156949   | 0.31   | cps   |
| Cadmium    | 108-1 | 102832   | 104461   | 103445   | 103579   | 0.79   | cps   |
| Cadmium    | 111-1 | 1413896  | 1419692  | 1427927  | 1420505  | 0.50   | cps   |
| Calcium    | 43-1  | 1545027  | 1547191  | 1553870  | 1548696  | 0.30   | cps   |
| Calcium    | 44-1  | 25703244 | 25634247 | 25830488 | 25722659 | 0.39   | cps   |
| Chromium   | 52-2  | 1866524  | 1851545  | 1853219  | 1857096  | 0.44   | cps   |
| Cobalt     | 59-2  | 3074079  | 3072896  | 3068134  | 3071703  | 0.10   | cps   |
| Copper     | 63-2  | 4426875  | 4386873  | 4413378  | 4409042  | 0.46   | cps   |
| Dysprosium | 156-2 | 43       | 17       | 23       | 28       | 49.95  | cps   |
| Dysprosium | 156-1 | 192      | 158      | 150      | 167      | 13.23  | cps   |
| Erbium     | 164-1 | 83       | 92       | 92       | 89       | 5.41   | cps   |
| Erbium     | 164-2 | 37       | 27       | 27       | 30       | 19.24  | cps   |
| Gadolinium | 160-2 | 47       | 33       | 40       | 40       | 16.68  | cps   |
| Gadolinium | 160-1 | 142      | 175      | 117      | 144      | 20.26  | cps   |
| Holmium    | 165-2 | 7460553  | 7459271  | 7479139  | 7466321  | 0.15   | cps   |
| Holmium    | 165-1 | 13033995 | 13344483 | 13250065 | 13209514 | 1.20   | cps   |
| Indium     | 115-1 | 11009383 | 10935340 | 11040230 | 10994985 | 0.49   | cps   |
| Indium     | 115-2 | 2406172  | 2386946  | 2396866  | 2396661  | 0.40   | cps   |
| Iron       | 56-2  | 80985938 | 80216821 | 80216149 | 80472969 | 0.55   | cps   |
| Iron       | 57-2  | 1914064  | 1906200  | 1913740  | 1911334  | 0.23   | cps   |
| Lead       | 206-1 | 4145545  | 4181627  | 4217210  | 4181461  | 0.86   | cps   |
| Lead       | 207-1 | 3770428  | 3773871  | 3831121  | 3791807  | 0.90   | cps   |
| Lead       | 208-1 | 17216958 | 17033121 | 17303541 | 17184540 | 0.80   | cps   |
| Lithium    | 6-1   | 662681   | 667703   | 668572   | 666319   | 0.48   | cps   |
| Magnesium  | 24-2  | 12278341 | 12102380 | 12103764 | 12161495 | 0.83   | cps   |
| Manganese  | 55-2  | 2126201  | 2109177  | 2119267  | 2118215  | 0.40   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : CCV49 Instrumnet Name : P7  
 Client Sample ID : CCV49 Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 14:34:00 DataFile Name : 033CCV\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5272118  | 5315072  | 5310211  | 5299133  | 0.44   | cps   |
| Molybdenum | 95-1  | 2831451  | 2807372  | 2818678  | 2819167  | 0.43   | cps   |
| Molybdenum | 96-1  | 3647417  | 3640315  | 3623642  | 3637125  | 0.34   | cps   |
| Molybdenum | 97-1  | 1746700  | 1750766  | 1748221  | 1748562  | 0.12   | cps   |
| Molybdenum | 98-1  | 4553197  | 4592870  | 4545503  | 4563856  | 0.56   | cps   |
| Neodymium  | 150-1 | 333      | 353      | 393      | 360      | 8.49   | cps   |
| Neodymium  | 150-2 | 50       | 50       | 53       | 51       | 3.76   | cps   |
| Nickel     | 60-2  | 809328   | 807612   | 810059   | 808999   | 0.16   | cps   |
| Phosphorus | 31-2  | 60816    | 60239    | 59729    | 60262    | 0.90   | cps   |
| Potassium  | 39-2  | 7276092  | 7152585  | 7226921  | 7218533  | 0.86   | cps   |
| Rhodium    | 103-2 | 4880689  | 4889406  | 4863065  | 4877720  | 0.28   | cps   |
| Rhodium    | 103-1 | 10021324 | 10136489 | 10088130 | 10081981 | 0.57   | cps   |
| Scandium   | 45-1  | 6416354  | 6391193  | 6396173  | 6401240  | 0.21   | cps   |
| Scandium   | 45-2  | 328164   | 328377   | 328455   | 328332   | 0.05   | cps   |
| Selenium   | 77-2  | 4681     | 4714     | 4637     | 4677     | 0.82   | cps   |
| Selenium   | 78-2  | 15686    | 15844    | 15418    | 15649    | 1.38   | cps   |
| Selenium   | 82-1  | 83327    | 83113    | 83117    | 83186    | 0.15   | cps   |
| Silicon    | 28-1  | 3716395  | 3756252  | 3802618  | 3758422  | 1.15   | cps   |
| Silver     | 109-1 | 7084229  | 7085171  | 7158817  | 7109405  | 0.60   | cps   |
| Silver     | 107-1 | 7460176  | 7317269  | 7370075  | 7382507  | 0.98   | cps   |
| Sodium     | 23-2  | 22855101 | 22920978 | 22764365 | 22846814 | 0.34   | cps   |
| Strontium  | 86-1  | 1930288  | 1945448  | 1944202  | 1939979  | 0.43   | cps   |
| Strontium  | 88-1  | 17145782 | 17430809 | 17382160 | 17319584 | 0.88   | cps   |
| Sulfur     | 34-1  | 1016950  | 1019837  | 1018517  | 1018435  | 0.14   | cps   |
| Terbium    | 159-1 | 13726646 | 13858397 | 13935579 | 13840207 | 0.76   | cps   |
| Terbium    | 159-2 | 7335867  | 7340874  | 7368781  | 7348507  | 0.24   | cps   |
| Thallium   | 203-1 | 5139124  | 5199925  | 5243961  | 5194337  | 1.01   | cps   |
| Thallium   | 205-1 | 12493724 | 12642590 | 12759788 | 12632034 | 1.06   | cps   |
| Tin        | 118-1 | 4758453  | 4787594  | 4806578  | 4784208  | 0.51   | cps   |
| Titanium   | 47-1  | 752331   | 752935   | 749005   | 751424   | 0.28   | cps   |
| Uranium    | 238-1 | 16535556 | 16776830 | 16703625 | 16672004 | 0.74   | cps   |
| Vanadium   | 51-2  | 1577230  | 1572664  | 1577254  | 1575716  | 0.17   | cps   |
| Yttrium    | 89-2  | 1896334  | 1899596  | 1886501  | 1894144  | 0.36   | cps   |
| Yttrium    | 89-1  | 11677883 | 11725040 | 11672657 | 11691860 | 0.25   | cps   |
| Zinc       | 66-2  | 601032   | 603170   | 601471   | 601891   | 0.19   | cps   |
| Zirconium  | 90-1  | 10381531 | 10408592 | 10399388 | 10396504 | 0.13   | cps   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV49               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV49               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:34:00 | DataFile Name :   | 033CCV_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2230808 | 2260367 | 2267803 | 2252992 | 0.87   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB49               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB49               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:44:51 | DataFile Name :   | 034CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 50       | 25       | 50       | 42       | 34.64  | cps   |
| Antimony   | 121-1 | 13532    | 17704    | 20416    | 17217    | 20.14  | cps   |
| Arsenic    | 75-2  | 109      | 119      | 115      | 114      | 4.08   | cps   |
| Barium     | 135-1 | 25       | 42       | 50       | 39       | 32.73  | cps   |
| Barium     | 137-1 | 75       | 108      | 58       | 81       | 31.60  | cps   |
| Beryllium  | 9-1   | 89       | 72       | 56       | 72       | 23.07  | cps   |
| Bismuth    | 209-1 | 8239065  | 8225337  | 8302171  | 8255524  | 0.50   | cps   |
| Bismuth    | 209-2 | 5524524  | 5477963  | 5529242  | 5510576  | 0.51   | cps   |
| Boron      | 10-1  | 583      | 517      | 642      | 581      | 10.77  | cps   |
| Boron      | 11-1  | 3209     | 3159     | 3125     | 3164     | 1.33   | cps   |
| Cadmium    | 106-1 | 2984     | 3726     | 3100     | 3270     | 12.20  | cps   |
| Cadmium    | 108-1 | 0        | 17       | 25       | 14       | 91.65  | cps   |
| Cadmium    | 111-1 | 2109     | 2605     | 2165     | 2293     | 11.83  | cps   |
| Calcium    | 43-1  | 383      | 308      | 400      | 364      | 13.42  | cps   |
| Calcium    | 44-1  | 20874    | 21082    | 21416    | 21124    | 1.30   | cps   |
| Chromium   | 52-2  | 797      | 920      | 737      | 818      | 11.43  | cps   |
| Cobalt     | 59-2  | 97       | 67       | 70       | 78       | 21.14  | cps   |
| Copper     | 63-2  | 513      | 607      | 623      | 581      | 10.20  | cps   |
| Dysprosium | 156-2 | 0        | 7        | 7        | 4        | 86.60  | cps   |
| Dysprosium | 156-1 | 8        | 0        | 25       | 11       | 114.58 | cps   |
| Erbium     | 164-1 | 92       | 67       | 33       | 64       | 45.81  | cps   |
| Erbium     | 164-2 | 30       | 17       | 33       | 27       | 33.06  | cps   |
| Gadolinium | 160-2 | 40       | 50       | 60       | 50       | 20.00  | cps   |
| Gadolinium | 160-1 | 117      | 117      | 100      | 111      | 8.66   | cps   |
| Holmium    | 165-2 | 7437820  | 7327956  | 7423692  | 7396489  | 0.81   | cps   |
| Holmium    | 165-1 | 13183863 | 13154833 | 13073743 | 13137480 | 0.43   | cps   |
| Indium     | 115-1 | 11104600 | 11139560 | 11124753 | 11122971 | 0.16   | cps   |
| Indium     | 115-2 | 2405209  | 2426269  | 2413567  | 2415015  | 0.44   | cps   |
| Iron       | 56-2  | 6796     | 6713     | 6741     | 6750     | 0.63   | cps   |
| Iron       | 57-2  | 139      | 122      | 144      | 135      | 8.55   | cps   |
| Lead       | 206-1 | 1867     | 1906     | 1856     | 1876     | 1.40   | cps   |
| Lead       | 207-1 | 1767     | 1550     | 1561     | 1626     | 7.50   | cps   |
| Lead       | 208-1 | 7523     | 7362     | 7257     | 7381     | 1.82   | cps   |
| Lithium    | 6-1   | 673170   | 667278   | 669459   | 669969   | 0.44   | cps   |
| Magnesium  | 24-2  | 317      | 233      | 308      | 286      | 16.04  | cps   |
| Manganese  | 55-2  | 77       | 60       | 50       | 62       | 21.65  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB49               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB49               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:44:51 | DataFile Name :   | 034CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 808      | 1108     | 1442     | 1120     | 28.30  | cps   |
| Molybdenum | 95-1  | 1183     | 1450     | 1609     | 1414     | 15.19  | cps   |
| Molybdenum | 96-1  | 1242     | 1667     | 1675     | 1528     | 16.22  | cps   |
| Molybdenum | 97-1  | 783      | 942      | 1025     | 917      | 13.39  | cps   |
| Molybdenum | 98-1  | 1717     | 2409     | 2984     | 2370     | 26.77  | cps   |
| Neodymium  | 150-1 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Neodymium  | 150-2 | 3        | 0        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 157      | 170      | 187      | 171      | 8.78   | cps   |
| Phosphorus | 31-2  | 317      | 258      | 208      | 261      | 20.77  | cps   |
| Potassium  | 39-2  | 61829    | 62725    | 64282    | 62946    | 1.97   | cps   |
| Rhodium    | 103-2 | 4892465  | 4964902  | 4944219  | 4933862  | 0.76   | cps   |
| Rhodium    | 103-1 | 10250991 | 10258173 | 10296291 | 10268485 | 0.24   | cps   |
| Scandium   | 45-1  | 6269740  | 6313336  | 6351053  | 6311376  | 0.64   | cps   |
| Scandium   | 45-2  | 322180   | 323986   | 322979   | 323048   | 0.28   | cps   |
| Selenium   | 77-2  | 0        | 3        | 3        | 2        | 86.60  | cps   |
| Selenium   | 78-2  | 194      | 185      | 189      | 190      | 2.46   | cps   |
| Selenium   | 82-1  | 66       | -88      | 52       | 10       | 859.25 | cps   |
| Silicon    | 28-1  | 975438   | 975095   | 974544   | 975026   | 0.05   | cps   |
| Silver     | 109-1 | 175      | 192      | 225      | 197      | 12.91  | cps   |
| Silver     | 107-1 | 183      | 242      | 200      | 208      | 14.42  | cps   |
| Sodium     | 23-2  | 35911    | 35292    | 35476    | 35560    | 0.89   | cps   |
| Strontium  | 86-1  | 4476     | 4301     | 3984     | 4254     | 5.86   | cps   |
| Strontium  | 88-1  | 192      | 208      | 292      | 231      | 23.24  | cps   |
| Sulfur     | 34-1  | 557076   | 556925   | 552543   | 555515   | 0.46   | cps   |
| Terbium    | 159-1 | 13640007 | 13638744 | 13650400 | 13643050 | 0.05   | cps   |
| Terbium    | 159-2 | 7402194  | 7300216  | 7243843  | 7315417  | 1.10   | cps   |
| Thallium   | 203-1 | 400      | 583      | 425      | 469      | 21.18  | cps   |
| Thallium   | 205-1 | 1017     | 1083     | 942      | 1014     | 6.99   | cps   |
| Tin        | 118-1 | 2134     | 2200     | 2909     | 2414     | 17.79  | cps   |
| Titanium   | 47-1  | 175      | 133      | 117      | 142      | 21.21  | cps   |
| Uranium    | 238-1 | 67       | 92       | 108      | 89       | 23.59  | cps   |
| Vanadium   | 51-2  | 33       | 27       | 27       | 29       | 13.31  | cps   |
| Yttrium    | 89-2  | 1860334  | 1869278  | 1876239  | 1868617  | 0.43   | cps   |
| Yttrium    | 89-1  | 11447337 | 11498113 | 11554223 | 11499891 | 0.46   | cps   |
| Zinc       | 66-2  | 183      | 203      | 203      | 197      | 5.87   | cps   |
| Zirconium  | 90-1  | 1033     | 1183     | 1517     | 1245     | 19.88  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB49               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB49               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:44:51 | DataFile Name :   | 034CCBE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 242  | 283  | 325  | 283     | 14.71  | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : PB97638BL Instrumnet Name : P7  
 Client Sample ID : PB97638BL Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 14:48:22 DataFile Name : 035CCBE\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 92       | 67       | 42       | 67       | 37.50  | cps   |
| Antimony   | 121-1 | 4351     | 4734     | 5276     | 4787     | 9.71   | cps   |
| Arsenic    | 75-2  | 72       | 72       | 48       | 64       | 21.65  | cps   |
| Barium     | 135-1 | 25       | 58       | 17       | 33       | 66.14  | cps   |
| Barium     | 137-1 | 42       | 100      | 75       | 72       | 40.52  | cps   |
| Beryllium  | 9-1   | 67       | 67       | 111      | 81       | 31.49  | cps   |
| Bismuth    | 209-1 | 8224059  | 8065063  | 8268136  | 8185753  | 1.30   | cps   |
| Bismuth    | 209-2 | 5507060  | 5536488  | 5483050  | 5508866  | 0.49   | cps   |
| Boron      | 10-1  | 492      | 517      | 517      | 508      | 2.84   | cps   |
| Boron      | 11-1  | 2642     | 2684     | 2659     | 2661     | 0.79   | cps   |
| Cadmium    | 106-1 | 3175     | 3567     | 3284     | 3342     | 6.05   | cps   |
| Cadmium    | 108-1 | 17       | 17       | 8        | 14       | 34.67  | cps   |
| Cadmium    | 111-1 | 2224     | 2494     | 2301     | 2340     | 5.94   | cps   |
| Calcium    | 43-1  | 383      | 317      | 550      | 417      | 28.85  | cps   |
| Calcium    | 44-1  | 21492    | 21133    | 20890    | 21172    | 1.43   | cps   |
| Chromium   | 52-2  | 817      | 723      | 790      | 777      | 6.19   | cps   |
| Cobalt     | 59-2  | 77       | 77       | 67       | 73       | 7.87   | cps   |
| Copper     | 63-2  | 607      | 563      | 630      | 600      | 5.64   | cps   |
| Dysprosium | 156-2 | 0        | 7        | 3        | 3        | 100.05 | cps   |
| Dysprosium | 156-1 | 17       | 8        | 33       | 19       | 65.47  | cps   |
| Erbium     | 164-1 | 8        | 33       | 67       | 36       | 81.06  | cps   |
| Erbium     | 164-2 | 17       | 17       | 7        | 13       | 43.29  | cps   |
| Gadolinium | 160-2 | 47       | 40       | 47       | 44       | 8.66   | cps   |
| Gadolinium | 160-1 | 108      | 125      | 142      | 125      | 13.33  | cps   |
| Holmium    | 165-2 | 7370508  | 7384590  | 7291702  | 7348933  | 0.68   | cps   |
| Holmium    | 165-1 | 13074533 | 13007507 | 13050417 | 13044152 | 0.26   | cps   |
| Indium     | 115-1 | 11005272 | 11116182 | 11134711 | 11085388 | 0.63   | cps   |
| Indium     | 115-2 | 2405060  | 2424675  | 2432856  | 2420864  | 0.59   | cps   |
| Iron       | 56-2  | 6402     | 6552     | 7030     | 6661     | 4.92   | cps   |
| Iron       | 57-2  | 189      | 161      | 144      | 165      | 13.62  | cps   |
| Lead       | 206-1 | 1945     | 1734     | 1817     | 1832     | 5.81   | cps   |
| Lead       | 207-1 | 1628     | 1684     | 1450     | 1587     | 7.68   | cps   |
| Lead       | 208-1 | 7529     | 7057     | 6934     | 7173     | 4.38   | cps   |
| Lithium    | 6-1   | 662310   | 663405   | 675512   | 667076   | 1.10   | cps   |
| Magnesium  | 24-2  | 233      | 217      | 458      | 303      | 44.58  | cps   |
| Manganese  | 55-2  | 73       | 70       | 43       | 62       | 26.43  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97638BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97638BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:48:22 | DataFile Name :   | 035CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 550      | 817      | 808      | 725      | 20.91  | cps   |
| Molybdenum | 95-1  | 508      | 683      | 942      | 711      | 30.66  | cps   |
| Molybdenum | 96-1  | 600      | 942      | 1050     | 864      | 27.19  | cps   |
| Molybdenum | 97-1  | 475      | 617      | 667      | 586      | 16.96  | cps   |
| Molybdenum | 98-1  | 767      | 1092     | 1417     | 1092     | 29.77  | cps   |
| Neodymium  | 150-1 | 0        | 20       | 13       | 11       | 91.66  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 183      | 213      | 193      | 197      | 7.77   | cps   |
| Phosphorus | 31-2  | 208      | 392      | 200      | 267      | 40.63  | cps   |
| Potassium  | 39-2  | 62818    | 63160    | 63327    | 63102    | 0.41   | cps   |
| Rhodium    | 103-2 | 4984508  | 4988160  | 4973636  | 4982101  | 0.15   | cps   |
| Rhodium    | 103-1 | 10283381 | 10231130 | 10198360 | 10237624 | 0.42   | cps   |
| Scandium   | 45-1  | 6320352  | 6332109  | 6299283  | 6317248  | 0.26   | cps   |
| Scandium   | 45-2  | 322995   | 325581   | 328884   | 325820   | 0.91   | cps   |
| Selenium   | 77-2  | 3        | 7        | 0        | 3        | 100.05 | cps   |
| Selenium   | 78-2  | 176      | 254      | 180      | 203      | 21.60  | cps   |
| Selenium   | 82-1  | -1       | 29       | 92       | 40       | 118.11 | cps   |
| Silicon    | 28-1  | 982384   | 978550   | 987783   | 982906   | 0.47   | cps   |
| Silver     | 109-1 | 117      | 142      | 167      | 142      | 17.65  | cps   |
| Silver     | 107-1 | 200      | 183      | 208      | 197      | 6.45   | cps   |
| Sodium     | 23-2  | 34466    | 34975    | 35217    | 34886    | 1.10   | cps   |
| Strontium  | 86-1  | 4326     | 4493     | 4376     | 4398     | 1.95   | cps   |
| Strontium  | 88-1  | 217      | 183      | 242      | 214      | 13.68  | cps   |
| Sulfur     | 34-1  | 564158   | 558952   | 563410   | 562173   | 0.50   | cps   |
| Terbium    | 159-1 | 13518863 | 13658547 | 13472068 | 13549826 | 0.72   | cps   |
| Terbium    | 159-2 | 7340362  | 7315403  | 7333098  | 7329621  | 0.18   | cps   |
| Thallium   | 203-1 | 392      | 267      | 342      | 333      | 18.88  | cps   |
| Thallium   | 205-1 | 842      | 750      | 733      | 775      | 7.53   | cps   |
| Tin        | 118-1 | 1650     | 1984     | 2250     | 1961     | 15.33  | cps   |
| Titanium   | 47-1  | 183      | 158      | 258      | 200      | 26.02  | cps   |
| Uranium    | 238-1 | 117      | 50       | 67       | 78       | 44.61  | cps   |
| Vanadium   | 51-2  | 17       | 20       | 13       | 17       | 20.01  | cps   |
| Yttrium    | 89-2  | 1876327  | 1891877  | 1874568  | 1880924  | 0.51   | cps   |
| Yttrium    | 89-1  | 11460906 | 11525054 | 11476842 | 11487601 | 0.29   | cps   |
| Zinc       | 66-2  | 243      | 200      | 160      | 201      | 20.72  | cps   |
| Zirconium  | 90-1  | 825      | 1167     | 1058     | 1017     | 17.17  | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97638BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97638BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:48:22 | DataFile Name :   | 035CCBE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 150  | 217  | 275  | 214     | 29.24  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97639BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97639BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:51:52 | DataFile Name :   | 036CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 67       | 42       | 25       | 44       | 47.19  | cps   |
| Antimony   | 121-1 | 2217     | 2809     | 2892     | 2639     | 13.95  | cps   |
| Arsenic    | 75-2  | 57       | 37       | 59       | 51       | 24.06  | cps   |
| Barium     | 135-1 | 25       | 50       | 58       | 44       | 39.04  | cps   |
| Barium     | 137-1 | 83       | 33       | 42       | 53       | 50.76  | cps   |
| Beryllium  | 9-1   | 94       | 72       | 56       | 74       | 26.34  | cps   |
| Bismuth    | 209-1 | 8232472  | 8288247  | 8308603  | 8276441  | 0.48   | cps   |
| Bismuth    | 209-2 | 5529611  | 5472237  | 5459354  | 5487067  | 0.68   | cps   |
| Boron      | 10-1  | 467      | 517      | 400      | 461      | 12.69  | cps   |
| Boron      | 11-1  | 2084     | 2175     | 2242     | 2167     | 3.67   | cps   |
| Cadmium    | 106-1 | 3376     | 3217     | 3426     | 3339     | 3.26   | cps   |
| Cadmium    | 108-1 | 25       | 4        | 13       | 14       | 75.48  | cps   |
| Cadmium    | 111-1 | 2375     | 2257     | 2410     | 2347     | 3.40   | cps   |
| Calcium    | 43-1  | 467      | 417      | 350      | 411      | 14.24  | cps   |
| Calcium    | 44-1  | 21733    | 21767    | 20949    | 21483    | 2.15   | cps   |
| Chromium   | 52-2  | 800      | 787      | 730      | 772      | 4.81   | cps   |
| Cobalt     | 59-2  | 57       | 70       | 57       | 61       | 12.59  | cps   |
| Copper     | 63-2  | 497      | 563      | 517      | 526      | 6.51   | cps   |
| Dysprosium | 156-2 | 3        | 0        | 7        | 3        | 100.05 | cps   |
| Dysprosium | 156-1 | 17       | 0        | 8        | 8        | 100.02 | cps   |
| Erbium     | 164-1 | 50       | 58       | 17       | 42       | 52.91  | cps   |
| Erbium     | 164-2 | 23       | 10       | 10       | 14       | 53.28  | cps   |
| Gadolinium | 160-2 | 30       | 33       | 20       | 28       | 24.98  | cps   |
| Gadolinium | 160-1 | 83       | 67       | 92       | 81       | 15.80  | cps   |
| Holmium    | 165-2 | 7485008  | 7324587  | 7371862  | 7393819  | 1.11   | cps   |
| Holmium    | 165-1 | 13168552 | 13058593 | 13070079 | 13099074 | 0.46   | cps   |
| Indium     | 115-1 | 11038618 | 11141007 | 11049357 | 11076327 | 0.51   | cps   |
| Indium     | 115-2 | 2416956  | 2407833  | 2394089  | 2406293  | 0.48   | cps   |
| Iron       | 56-2  | 6496     | 6491     | 6285     | 6424     | 1.87   | cps   |
| Iron       | 57-2  | 100      | 78       | 89       | 89       | 12.50  | cps   |
| Lead       | 206-1 | 1922     | 1878     | 1922     | 1908     | 1.35   | cps   |
| Lead       | 207-1 | 1800     | 1550     | 1789     | 1713     | 8.25   | cps   |
| Lead       | 208-1 | 7640     | 7273     | 7412     | 7442     | 2.49   | cps   |
| Lithium    | 6-1   | 673340   | 672531   | 672343   | 672738   | 0.08   | cps   |
| Magnesium  | 24-2  | 350      | 375      | 433      | 386      | 11.08  | cps   |
| Manganese  | 55-2  | 83       | 97       | 37       | 72       | 43.62  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97639BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97639BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:51:52 | DataFile Name :   | 036CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 633      | 650      | 842      | 708      | 16.34  | cps   |
| Molybdenum | 95-1  | 392      | 508      | 917      | 606      | 45.52  | cps   |
| Molybdenum | 96-1  | 508      | 700      | 1042     | 750      | 36.02  | cps   |
| Molybdenum | 97-1  | 242      | 375      | 475      | 364      | 32.17  | cps   |
| Molybdenum | 98-1  | 708      | 967      | 1250     | 975      | 27.79  | cps   |
| Neodymium  | 150-1 | 7        | 7        | 0        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 3        | 0        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 160      | 180      | 177      | 172      | 6.22   | cps   |
| Phosphorus | 31-2  | 333      | 267      | 275      | 292      | 12.45  | cps   |
| Potassium  | 39-2  | 63880    | 63713    | 63981    | 63858    | 0.21   | cps   |
| Rhodium    | 103-2 | 4942925  | 4932427  | 4869514  | 4914955  | 0.81   | cps   |
| Rhodium    | 103-1 | 10170758 | 10375934 | 10388538 | 10311743 | 1.19   | cps   |
| Scandium   | 45-1  | 6318185  | 6342059  | 6290665  | 6316970  | 0.41   | cps   |
| Scandium   | 45-2  | 323596   | 324035   | 324656   | 324095   | 0.16   | cps   |
| Selenium   | 77-2  | 0        | 3        | 3        | 2        | 86.60  | cps   |
| Selenium   | 78-2  | 196      | 200      | 231      | 209      | 9.24   | cps   |
| Selenium   | 82-1  | 72       | 71       | -51      | 31       | 228.44 | cps   |
| Silicon    | 28-1  | 982566   | 986025   | 986334   | 984975   | 0.21   | cps   |
| Silver     | 109-1 | 125      | 125      | 150      | 133      | 10.82  | cps   |
| Silver     | 107-1 | 158      | 158      | 167      | 161      | 2.99   | cps   |
| Sodium     | 23-2  | 34040    | 35000    | 34407    | 34482    | 1.40   | cps   |
| Strontium  | 86-1  | 4309     | 4192     | 4193     | 4231     | 1.59   | cps   |
| Strontium  | 88-1  | 267      | 167      | 217      | 217      | 23.08  | cps   |
| Sulfur     | 34-1  | 567282   | 562607   | 563000   | 564297   | 0.46   | cps   |
| Terbium    | 159-1 | 13751076 | 13601518 | 13937475 | 13763356 | 1.22   | cps   |
| Terbium    | 159-2 | 7431367  | 7347256  | 7307765  | 7362130  | 0.86   | cps   |
| Thallium   | 203-1 | 250      | 317      | 333      | 300      | 14.70  | cps   |
| Thallium   | 205-1 | 608      | 658      | 583      | 617      | 6.19   | cps   |
| Tin        | 118-1 | 1575     | 2067     | 1884     | 1842     | 13.49  | cps   |
| Titanium   | 47-1  | 142      | 83       | 117      | 114      | 25.69  | cps   |
| Uranium    | 238-1 | 50       | 92       | 83       | 75       | 29.40  | cps   |
| Vanadium   | 51-2  | 17       | 23       | 23       | 21       | 18.21  | cps   |
| Yttrium    | 89-2  | 1874814  | 1871468  | 1857682  | 1867988  | 0.49   | cps   |
| Yttrium    | 89-1  | 11512135 | 11656169 | 11524915 | 11564406 | 0.69   | cps   |
| Zinc       | 66-2  | 190      | 230      | 190      | 203      | 11.36  | cps   |
| Zirconium  | 90-1  | 817      | 908      | 1075     | 933      | 14.03  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | PB97639BL           | Instrumnet Name : | P7                 |
| Client Sample ID :      | PB97639BL           | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 14:51:52 | DataFile Name :   | 036CCBE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 225  | 217  | 208  | 217     | 3.84   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : PB97638BS Instrumnet Name : P7  
 Client Sample ID : PB97638BS Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 14:55:22 DataFile Name : 037CCV\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 983710   | 988070   | 980587   | 984123   | 0.38   | cps   |
| Antimony   | 121-1 | 5830422  | 5875618  | 5808591  | 5838210  | 0.59   | cps   |
| Arsenic    | 75-2  | 240744   | 242533   | 242447   | 241908   | 0.42   | cps   |
| Barium     | 135-1 | 7200566  | 7318370  | 7327469  | 7282135  | 0.97   | cps   |
| Barium     | 137-1 | 12457417 | 12595973 | 12629784 | 12561058 | 0.73   | cps   |
| Beryllium  | 9-1   | 592325   | 592914   | 593832   | 593023   | 0.13   | cps   |
| Bismuth    | 209-1 | 8113718  | 8114223  | 8102235  | 8110059  | 0.08   | cps   |
| Bismuth    | 209-2 | 5370267  | 5397887  | 5409497  | 5392550  | 0.37   | cps   |
| Boron      | 10-1  | 78705    | 79391    | 80581    | 79559    | 1.19   | cps   |
| Boron      | 11-1  | 415891   | 420847   | 428896   | 421878   | 1.56   | cps   |
| Cadmium    | 106-1 | 154798   | 155393   | 157467   | 155886   | 0.90   | cps   |
| Cadmium    | 108-1 | 101396   | 101984   | 103142   | 102174   | 0.87   | cps   |
| Cadmium    | 111-1 | 1401152  | 1404739  | 1416462  | 1407451  | 0.57   | cps   |
| Calcium    | 43-1  | 1535658  | 1544867  | 1534080  | 1538202  | 0.38   | cps   |
| Calcium    | 44-1  | 25740614 | 25657342 | 25809984 | 25735980 | 0.30   | cps   |
| Chromium   | 52-2  | 1846386  | 1859772  | 1859948  | 1855368  | 0.42   | cps   |
| Cobalt     | 59-2  | 3062577  | 3058329  | 3047485  | 3056130  | 0.25   | cps   |
| Copper     | 63-2  | 4374668  | 4388907  | 4411063  | 4391546  | 0.42   | cps   |
| Dysprosium | 156-2 | 50       | 27       | 30       | 36       | 35.49  | cps   |
| Dysprosium | 156-1 | 125      | 67       | 183      | 125      | 46.67  | cps   |
| Erbium     | 164-1 | 125      | 67       | 83       | 92       | 32.78  | cps   |
| Erbium     | 164-2 | 37       | 50       | 30       | 39       | 26.18  | cps   |
| Gadolinium | 160-2 | 47       | 70       | 80       | 66       | 26.09  | cps   |
| Gadolinium | 160-1 | 108      | 108      | 167      | 128      | 26.36  | cps   |
| Holmium    | 165-2 | 7349334  | 7429659  | 7407146  | 7395380  | 0.56   | cps   |
| Holmium    | 165-1 | 13175194 | 13325588 | 13192119 | 13230967 | 0.62   | cps   |
| Indium     | 115-1 | 10959680 | 10942024 | 11005325 | 10969010 | 0.30   | cps   |
| Indium     | 115-2 | 2356097  | 2378880  | 2374596  | 2369858  | 0.51   | cps   |
| Iron       | 56-2  | 80512643 | 78994274 | 78831616 | 79446178 | 1.17   | cps   |
| Iron       | 57-2  | 1914091  | 1897251  | 1896871  | 1902738  | 0.52   | cps   |
| Lead       | 206-1 | 4172944  | 4208593  | 4253037  | 4211524  | 0.95   | cps   |
| Lead       | 207-1 | 3768434  | 3803265  | 3825316  | 3799005  | 0.75   | cps   |
| Lead       | 208-1 | 17157703 | 17327821 | 17333329 | 17272951 | 0.58   | cps   |
| Lithium    | 6-1   | 671670   | 670032   | 668146   | 669949   | 0.26   | cps   |
| Magnesium  | 24-2  | 12181857 | 12300337 | 12160079 | 12214091 | 0.62   | cps   |
| Manganese  | 55-2  | 2115065  | 2116847  | 2102415  | 2111442  | 0.37   | cps   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97638BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97638BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:55:22 | DataFile Name :   | 037CCV_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5502960  | 5266462  | 5252716  | 5340712  | 2.63   | cps   |
| Molybdenum | 95-1  | 2795338  | 2804657  | 2786208  | 2795401  | 0.33   | cps   |
| Molybdenum | 96-1  | 3610315  | 3618319  | 3592200  | 3606945  | 0.37   | cps   |
| Molybdenum | 97-1  | 1735781  | 1750320  | 1737993  | 1741365  | 0.45   | cps   |
| Molybdenum | 98-1  | 4495537  | 4524147  | 4499661  | 4506448  | 0.34   | cps   |
| Neodymium  | 150-1 | 373      | 407      | 433      | 404      | 7.43   | cps   |
| Neodymium  | 150-2 | 70       | 83       | 83       | 79       | 9.76   | cps   |
| Nickel     | 60-2  | 803559   | 806053   | 802016   | 803876   | 0.25   | cps   |
| Phosphorus | 31-2  | 60381    | 60590    | 60130    | 60367    | 0.38   | cps   |
| Potassium  | 39-2  | 7255039  | 7157199  | 7173170  | 7195136  | 0.73   | cps   |
| Rhodium    | 103-2 | 4817151  | 4868800  | 4840236  | 4842062  | 0.53   | cps   |
| Rhodium    | 103-1 | 9962723  | 10033843 | 10030679 | 10009082 | 0.40   | cps   |
| Scandium   | 45-1  | 6362043  | 6356991  | 6439636  | 6386224  | 0.73   | cps   |
| Scandium   | 45-2  | 325636   | 326589   | 326767   | 326331   | 0.19   | cps   |
| Selenium   | 77-2  | 4474     | 4427     | 4497     | 4466     | 0.80   | cps   |
| Selenium   | 78-2  | 15028    | 15609    | 15482    | 15373    | 1.99   | cps   |
| Selenium   | 82-1  | 82803    | 83147    | 83535    | 83162    | 0.44   | cps   |
| Silicon    | 28-1  | 3653511  | 3673313  | 3660053  | 3662292  | 0.28   | cps   |
| Silver     | 109-1 | 7003327  | 7008906  | 7006772  | 7006335  | 0.04   | cps   |
| Silver     | 107-1 | 7296914  | 7336098  | 7366577  | 7333196  | 0.48   | cps   |
| Sodium     | 23-2  | 22715979 | 22900592 | 22864286 | 22826952 | 0.43   | cps   |
| Strontium  | 86-1  | 1932124  | 1923533  | 1923147  | 1926268  | 0.26   | cps   |
| Strontium  | 88-1  | 17104353 | 17239179 | 17137746 | 17160426 | 0.41   | cps   |
| Sulfur     | 34-1  | 1005416  | 1003101  | 1003303  | 1003940  | 0.13   | cps   |
| Terbium    | 159-1 | 13787173 | 13905372 | 13712451 | 13801665 | 0.70   | cps   |
| Terbium    | 159-2 | 7360926  | 7382666  | 7387904  | 7377165  | 0.19   | cps   |
| Thallium   | 203-1 | 5185173  | 5275790  | 5220789  | 5227250  | 0.87   | cps   |
| Thallium   | 205-1 | 12620752 | 12712746 | 12725047 | 12686182 | 0.45   | cps   |
| Tin        | 118-1 | 4782531  | 4808400  | 4805235  | 4798722  | 0.29   | cps   |
| Titanium   | 47-1  | 749317   | 751015   | 747411   | 749248   | 0.24   | cps   |
| Uranium    | 238-1 | 16579334 | 16705588 | 16533136 | 16606019 | 0.54   | cps   |
| Vanadium   | 51-2  | 1568572  | 1574581  | 1575896  | 1573016  | 0.25   | cps   |
| Yttrium    | 89-2  | 1884927  | 1883927  | 1876464  | 1881773  | 0.25   | cps   |
| Yttrium    | 89-1  | 11631486 | 11610136 | 11586617 | 11609413 | 0.19   | cps   |
| Zinc       | 66-2  | 593118   | 597957   | 598922   | 596666   | 0.52   | cps   |
| Zirconium  | 90-1  | 10412115 | 10391384 | 10438296 | 10413932 | 0.23   | cps   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97638BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97638BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:55:22 | DataFile Name :   | 037CCV_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2233462 | 2237090 | 2244045 | 2238199 | 0.24   | cps   |

LB Number : LB86662 Operator : Jaswal  
 Lab Sample ID : PB97639BS Instrumnet Name : P7  
 Client Sample ID : PB97639BS Dilution Factor : 1  
 Date & Time Acquired :: 2017-03-31 14:58:48 DataFile Name : 038CCV\_P7033117.D

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 994142   | 998650   | 990625   | 994472   | 0.40   | cps   |
| Antimony   | 121-1 | 5939462  | 5888398  | 5948217  | 5925359  | 0.55   | cps   |
| Arsenic    | 75-2  | 245441   | 245757   | 246439   | 245879   | 0.21   | cps   |
| Barium     | 135-1 | 7336901  | 7284932  | 7356295  | 7326043  | 0.50   | cps   |
| Barium     | 137-1 | 12695239 | 12659175 | 12691827 | 12682080 | 0.16   | cps   |
| Beryllium  | 9-1   | 589647   | 586948   | 588438   | 588344   | 0.23   | cps   |
| Bismuth    | 209-1 | 8155171  | 8078331  | 8089197  | 8107566  | 0.51   | cps   |
| Bismuth    | 209-2 | 5411619  | 5447902  | 5459258  | 5439593  | 0.46   | cps   |
| Boron      | 10-1  | 79568    | 81126    | 81445    | 80713    | 1.24   | cps   |
| Boron      | 11-1  | 420976   | 425315   | 427916   | 424735   | 0.83   | cps   |
| Cadmium    | 106-1 | 154476   | 156599   | 158916   | 156664   | 1.42   | cps   |
| Cadmium    | 108-1 | 102836   | 103378   | 102501   | 102905   | 0.43   | cps   |
| Cadmium    | 111-1 | 1409252  | 1411629  | 1430066  | 1416982  | 0.80   | cps   |
| Calcium    | 43-1  | 1530062  | 1529374  | 1541655  | 1533697  | 0.45   | cps   |
| Calcium    | 44-1  | 25633126 | 25190605 | 25905653 | 25576461 | 1.41   | cps   |
| Chromium   | 52-2  | 1870773  | 1878413  | 1876922  | 1875369  | 0.22   | cps   |
| Cobalt     | 59-2  | 3082724  | 3103357  | 3101451  | 3095844  | 0.37   | cps   |
| Copper     | 63-2  | 4424840  | 4470751  | 4484958  | 4460183  | 0.70   | cps   |
| Dysprosium | 156-2 | 50       | 40       | 30       | 40       | 25.00  | cps   |
| Dysprosium | 156-1 | 167      | 142      | 133      | 147      | 11.79  | cps   |
| Erbium     | 164-1 | 75       | 67       | 58       | 67       | 12.49  | cps   |
| Erbium     | 164-2 | 20       | 37       | 20       | 26       | 37.66  | cps   |
| Gadolinium | 160-2 | 60       | 73       | 63       | 66       | 10.59  | cps   |
| Gadolinium | 160-1 | 158      | 133      | 108      | 133      | 18.75  | cps   |
| Holmium    | 165-2 | 7471643  | 7427677  | 7492859  | 7464060  | 0.45   | cps   |
| Holmium    | 165-1 | 13332711 | 13226257 | 13272715 | 13277228 | 0.40   | cps   |
| Indium     | 115-1 | 11022495 | 11016371 | 11102463 | 11047110 | 0.43   | cps   |
| Indium     | 115-2 | 2387223  | 2411104  | 2406836  | 2401721  | 0.53   | cps   |
| Iron       | 56-2  | 80917971 | 80171327 | 80921827 | 80670375 | 0.54   | cps   |
| Iron       | 57-2  | 1920856  | 1939042  | 1934744  | 1931547  | 0.49   | cps   |
| Lead       | 206-1 | 4162281  | 4166331  | 4218807  | 4182473  | 0.75   | cps   |
| Lead       | 207-1 | 3773555  | 3749901  | 3823288  | 3782248  | 0.99   | cps   |
| Lead       | 208-1 | 17121791 | 16980261 | 17359804 | 17153952 | 1.12   | cps   |
| Lithium    | 6-1   | 659850   | 659160   | 665282   | 661431   | 0.51   | cps   |
| Magnesium  | 24-2  | 12261076 | 12325915 | 12348662 | 12311884 | 0.37   | cps   |
| Manganese  | 55-2  | 2140142  | 2144103  | 2145831  | 2143359  | 0.14   | cps   |



|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97639BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97639BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:58:48 | DataFile Name :   | 038CCV_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5241535  | 5284700  | 5561651  | 5362629  | 3.24   | cps   |
| Molybdenum | 95-1  | 2808150  | 2800313  | 2816588  | 2808350  | 0.29   | cps   |
| Molybdenum | 96-1  | 3610086  | 3610834  | 3610041  | 3610320  | 0.01   | cps   |
| Molybdenum | 97-1  | 1744463  | 1753810  | 1748510  | 1748928  | 0.27   | cps   |
| Molybdenum | 98-1  | 4523713  | 4529929  | 4576298  | 4543313  | 0.63   | cps   |
| Neodymium  | 150-1 | 393      | 347      | 360      | 367      | 6.56   | cps   |
| Neodymium  | 150-2 | 47       | 73       | 57       | 59       | 22.88  | cps   |
| Nickel     | 60-2  | 814536   | 817463   | 820997   | 817665   | 0.40   | cps   |
| Phosphorus | 31-2  | 61846    | 61461    | 62130    | 61812    | 0.54   | cps   |
| Potassium  | 39-2  | 7344953  | 7362898  | 7290121  | 7332658  | 0.52   | cps   |
| Rhodium    | 103-2 | 4867782  | 4899999  | 4893358  | 4887046  | 0.35   | cps   |
| Rhodium    | 103-1 | 9895421  | 9973987  | 10089628 | 9986345  | 0.98   | cps   |
| Scandium   | 45-1  | 6334733  | 6374091  | 6344916  | 6351247  | 0.32   | cps   |
| Scandium   | 45-2  | 331435   | 330424   | 331341   | 331067   | 0.17   | cps   |
| Selenium   | 77-2  | 4691     | 4511     | 4607     | 4603     | 1.96   | cps   |
| Selenium   | 78-2  | 15497    | 15723    | 15727    | 15649    | 0.84   | cps   |
| Selenium   | 82-1  | 83772    | 82855    | 83476    | 83368    | 0.56   | cps   |
| Silicon    | 28-1  | 3638356  | 3634458  | 3668850  | 3647222  | 0.52   | cps   |
| Silver     | 109-1 | 7006451  | 6990259  | 7077037  | 7024582  | 0.66   | cps   |
| Silver     | 107-1 | 7331977  | 7300976  | 7392344  | 7341766  | 0.63   | cps   |
| Sodium     | 23-2  | 23044246 | 23058842 | 23247267 | 23116785 | 0.49   | cps   |
| Strontium  | 86-1  | 1915625  | 1915933  | 1923823  | 1918460  | 0.24   | cps   |
| Strontium  | 88-1  | 17165265 | 17122361 | 17247146 | 17178257 | 0.37   | cps   |
| Sulfur     | 34-1  | 1001112  | 995552   | 1002498  | 999721   | 0.37   | cps   |
| Terbium    | 159-1 | 13673825 | 13869523 | 14018404 | 13853917 | 1.25   | cps   |
| Terbium    | 159-2 | 7464098  | 7421025  | 7419119  | 7434747  | 0.34   | cps   |
| Thallium   | 203-1 | 5182645  | 5182002  | 5257689  | 5207445  | 0.84   | cps   |
| Thallium   | 205-1 | 12567112 | 12641263 | 12801569 | 12669981 | 0.95   | cps   |
| Tin        | 118-1 | 4775173  | 4782618  | 4837417  | 4798403  | 0.71   | cps   |
| Titanium   | 47-1  | 748166   | 740196   | 751156   | 746506   | 0.76   | cps   |
| Uranium    | 238-1 | 16809121 | 16614841 | 16638741 | 16687568 | 0.63   | cps   |
| Vanadium   | 51-2  | 1583630  | 1591352  | 1594664  | 1589882  | 0.36   | cps   |
| Yttrium    | 89-2  | 1901048  | 1913432  | 1904275  | 1906252  | 0.34   | cps   |
| Yttrium    | 89-1  | 11599970 | 11641150 | 11734191 | 11658437 | 0.59   | cps   |
| Zinc       | 66-2  | 602524   | 605528   | 605659   | 604570   | 0.29   | cps   |
| Zirconium  | 90-1  | 10267470 | 10286314 | 10424987 | 10326257 | 0.83   | cps   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | PB97639BS           | Instrumnet Name : | P7                |
| Client Sample ID :      | PB97639BS           | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 14:58:48 | DataFile Name :   | 038CCV_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2224361 | 2227405 | 2256128 | 2235965 | 0.78   | cps   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 15:02:14 | DataFile Name :   | 039CCV_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 977141   | 988109   | 987240   | 984163   | 0.62   | cps   |
| Antimony   | 121-1 | 6269901  | 6205031  | 5892413  | 6122449  | 3.30   | cps   |
| Arsenic    | 75-2  | 242504   | 244473   | 245131   | 244036   | 0.56   | cps   |
| Barium     | 135-1 | 7328650  | 7258582  | 7286394  | 7291209  | 0.48   | cps   |
| Barium     | 137-1 | 12736225 | 12572040 | 12615345 | 12641203 | 0.67   | cps   |
| Beryllium  | 9-1   | 584310   | 590764   | 588523   | 587866   | 0.56   | cps   |
| Bismuth    | 209-1 | 8126199  | 8155680  | 8117418  | 8133099  | 0.25   | cps   |
| Bismuth    | 209-2 | 5365053  | 5353863  | 5402763  | 5373893  | 0.48   | cps   |
| Boron      | 10-1  | 79978    | 80966    | 79510    | 80151    | 0.93   | cps   |
| Boron      | 11-1  | 420317   | 428737   | 425587   | 424881   | 1.00   | cps   |
| Cadmium    | 106-1 | 157836   | 156859   | 154990   | 156562   | 0.92   | cps   |
| Cadmium    | 108-1 | 104243   | 102706   | 100814   | 102588   | 1.67   | cps   |
| Cadmium    | 111-1 | 1417853  | 1419398  | 1409097  | 1415449  | 0.39   | cps   |
| Calcium    | 43-1  | 1531722  | 1550906  | 1536707  | 1539779  | 0.65   | cps   |
| Calcium    | 44-1  | 25941103 | 25828618 | 25773498 | 25847740 | 0.33   | cps   |
| Chromium   | 52-2  | 1869803  | 1871684  | 1876842  | 1872776  | 0.19   | cps   |
| Cobalt     | 59-2  | 3061823  | 3073111  | 3112047  | 3082327  | 0.85   | cps   |
| Copper     | 63-2  | 4415629  | 4397482  | 4443677  | 4418930  | 0.53   | cps   |
| Dysprosium | 156-2 | 33       | 27       | 23       | 28       | 18.33  | cps   |
| Dysprosium | 156-1 | 67       | 100      | 92       | 86       | 20.15  | cps   |
| Erbium     | 164-1 | 42       | 108      | 42       | 64       | 60.24  | cps   |
| Erbium     | 164-2 | 20       | 37       | 33       | 30       | 29.40  | cps   |
| Gadolinium | 160-2 | 50       | 60       | 60       | 57       | 10.19  | cps   |
| Gadolinium | 160-1 | 125      | 217      | 108      | 150      | 38.89  | cps   |
| Holmium    | 165-2 | 7426212  | 7375778  | 7449716  | 7417235  | 0.51   | cps   |
| Holmium    | 165-1 | 13331417 | 13089558 | 13390267 | 13270414 | 1.20   | cps   |
| Indium     | 115-1 | 11033936 | 10990630 | 10814130 | 10946232 | 1.06   | cps   |
| Indium     | 115-2 | 2384134  | 2376475  | 2400373  | 2386994  | 0.51   | cps   |
| Iron       | 56-2  | 79326241 | 79744616 | 80489968 | 79853608 | 0.74   | cps   |
| Iron       | 57-2  | 1907215  | 1914621  | 1919218  | 1913684  | 0.32   | cps   |
| Lead       | 206-1 | 4198435  | 4212024  | 4226091  | 4212183  | 0.33   | cps   |
| Lead       | 207-1 | 3781179  | 3794722  | 3783741  | 3786547  | 0.19   | cps   |
| Lead       | 208-1 | 17301007 | 17281018 | 17185871 | 17255965 | 0.36   | cps   |
| Lithium    | 6-1   | 660858   | 663978   | 661051   | 661962   | 0.26   | cps   |
| Magnesium  | 24-2  | 12237837 | 12349037 | 12336573 | 12307816 | 0.49   | cps   |
| Manganese  | 55-2  | 2123554  | 2126542  | 2143427  | 2131174  | 0.50   | cps   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 15:02:14 | DataFile Name :   | 039CCV_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5301635  | 5503569  | 5249837  | 5351680  | 2.51   | cps   |
| Molybdenum | 95-1  | 2843242  | 2827396  | 2799338  | 2823325  | 0.79   | cps   |
| Molybdenum | 96-1  | 3637749  | 3634543  | 3615041  | 3629111  | 0.34   | cps   |
| Molybdenum | 97-1  | 1757012  | 1760961  | 1742414  | 1753462  | 0.56   | cps   |
| Molybdenum | 98-1  | 4568973  | 4561247  | 4526790  | 4552336  | 0.49   | cps   |
| Neodymium  | 150-1 | 353      | 287      | 413      | 351      | 18.05  | cps   |
| Neodymium  | 150-2 | 67       | 53       | 40       | 53       | 25.00  | cps   |
| Nickel     | 60-2  | 804751   | 808051   | 813310   | 808704   | 0.53   | cps   |
| Phosphorus | 31-2  | 60448    | 61151    | 61695    | 61098    | 1.02   | cps   |
| Potassium  | 39-2  | 7190204  | 7262812  | 7224852  | 7225956  | 0.50   | cps   |
| Rhodium    | 103-2 | 4838695  | 4836522  | 4868370  | 4847862  | 0.37   | cps   |
| Rhodium    | 103-1 | 10118179 | 10062659 | 9999818  | 10060219 | 0.59   | cps   |
| Scandium   | 45-1  | 6394173  | 6393187  | 6345539  | 6377633  | 0.44   | cps   |
| Scandium   | 45-2  | 324540   | 327923   | 327645   | 326702   | 0.57   | cps   |
| Selenium   | 77-2  | 4521     | 4541     | 4434     | 4499     | 1.26   | cps   |
| Selenium   | 78-2  | 15340    | 15468    | 15534    | 15447    | 0.64   | cps   |
| Selenium   | 82-1  | 84125    | 84121    | 82878    | 83708    | 0.86   | cps   |
| Silicon    | 28-1  | 3783025  | 3757533  | 3748088  | 3762882  | 0.48   | cps   |
| Silver     | 109-1 | 7081997  | 7097866  | 7041681  | 7073848  | 0.41   | cps   |
| Silver     | 107-1 | 7377376  | 7397128  | 7354989  | 7376498  | 0.29   | cps   |
| Sodium     | 23-2  | 23165919 | 22834300 | 23102908 | 23034376 | 0.76   | cps   |
| Strontium  | 86-1  | 1926651  | 1951859  | 1926971  | 1935160  | 0.75   | cps   |
| Strontium  | 88-1  | 17369408 | 17412352 | 17099029 | 17293596 | 0.98   | cps   |
| Sulfur     | 34-1  | 996632   | 985527   | 981212   | 987790   | 0.81   | cps   |
| Terbium    | 159-1 | 13904469 | 13819038 | 13836777 | 13853428 | 0.33   | cps   |
| Terbium    | 159-2 | 7421530  | 7347285  | 7313964  | 7360926  | 0.75   | cps   |
| Thallium   | 203-1 | 5250942  | 5238446  | 5282594  | 5257327  | 0.43   | cps   |
| Thallium   | 205-1 | 12871848 | 12796629 | 12817188 | 12828555 | 0.30   | cps   |
| Tin        | 118-1 | 4817717  | 4795216  | 4780165  | 4797699  | 0.39   | cps   |
| Titanium   | 47-1  | 748614   | 750511   | 740426   | 746517   | 0.72   | cps   |
| Uranium    | 238-1 | 16536206 | 16502698 | 16555796 | 16531567 | 0.16   | cps   |
| Vanadium   | 51-2  | 1579292  | 1580726  | 1580075  | 1580031  | 0.05   | cps   |
| Yttrium    | 89-2  | 1877425  | 1884343  | 1895271  | 1885680  | 0.48   | cps   |
| Yttrium    | 89-1  | 11653033 | 11761141 | 11679106 | 11697760 | 0.48   | cps   |
| Zinc       | 66-2  | 599809   | 601908   | 605487   | 602401   | 0.48   | cps   |
| Zirconium  | 90-1  | 10438170 | 10473525 | 10406240 | 10439312 | 0.32   | cps   |

|                         |                     |                   |                   |
|-------------------------|---------------------|-------------------|-------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal            |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P7                |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1                 |
| Date & Time Acquired :: | 2017-03-31 15:02:14 | DataFile Name :   | 039CCV_P7033117.D |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2248850 | 2235537 | 2228692 | 2237693 | 0.46   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV2              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV2              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:37:38 | DataFile Name :   | 043LCSE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1992     | 1892     | 1867     | 1917     | 3.45   | cps   |
| Antimony   | 121-1 | 24071    | 25340    | 25449    | 24954    | 3.07   | cps   |
| Arsenic    | 75-2  | 511      | 550      | 452      | 504      | 9.80   | cps   |
| Barium     | 135-1 | 25808    | 26092    | 26827    | 26242    | 2.00   | cps   |
| Barium     | 137-1 | 44966    | 45066    | 44965    | 44999    | 0.13   | cps   |
| Beryllium  | 9-1   | 1172     | 1228     | 1345     | 1248     | 7.04   | cps   |
| Bismuth    | 209-1 | 8068185  | 8028641  | 8067669  | 8054831  | 0.28   | cps   |
| Bismuth    | 209-2 | 5435443  | 5481755  | 5459201  | 5458799  | 0.42   | cps   |
| Boron      | 10-1  | 3551     | 4017     | 3726     | 3765     | 6.26   | cps   |
| Boron      | 11-1  | 19872    | 19705    | 19739    | 19772    | 0.45   | cps   |
| Cadmium    | 106-1 | 3551     | 3826     | 3659     | 3678     | 3.77   | cps   |
| Cadmium    | 108-1 | 238      | 208      | 217      | 221      | 6.80   | cps   |
| Cadmium    | 111-1 | 5044     | 5057     | 5172     | 5091     | 1.38   | cps   |
| Calcium    | 43-1  | 15133    | 14649    | 14257    | 14680    | 2.99   | cps   |
| Calcium    | 44-1  | 251197   | 255008   | 253302   | 253169   | 0.75   | cps   |
| Chromium   | 52-2  | 7866     | 8096     | 7936     | 7966     | 1.48   | cps   |
| Cobalt     | 59-2  | 5971     | 6048     | 6035     | 6018     | 0.68   | cps   |
| Copper     | 63-2  | 9323     | 9823     | 9737     | 9628     | 2.78   | cps   |
| Dysprosium | 156-2 | 13       | 3        | 3        | 7        | 86.65  | cps   |
| Dysprosium | 156-1 | 8        | 33       | 8        | 17       | 86.62  | cps   |
| Erbium     | 164-1 | 67       | 67       | 58       | 64       | 7.53   | cps   |
| Erbium     | 164-2 | 23       | 23       | 23       | 23       | 0.00   | cps   |
| Gadolinium | 160-2 | 50       | 57       | 20       | 42       | 46.26  | cps   |
| Gadolinium | 160-1 | 75       | 83       | 108      | 89       | 19.52  | cps   |
| Holmium    | 165-2 | 7379663  | 7432308  | 7427242  | 7413071  | 0.39   | cps   |
| Holmium    | 165-1 | 13108327 | 13059417 | 13145385 | 13104377 | 0.33   | cps   |
| Indium     | 115-1 | 10947040 | 11035206 | 11165410 | 11049219 | 0.99   | cps   |
| Indium     | 115-2 | 2428007  | 2444195  | 2418719  | 2430307  | 0.53   | cps   |
| Iron       | 56-2  | 154211   | 157935   | 155594   | 155913   | 1.21   | cps   |
| Iron       | 57-2  | 3756     | 3984     | 3956     | 3899     | 3.19   | cps   |
| Lead       | 206-1 | 10410    | 10855    | 10693    | 10653    | 2.11   | cps   |
| Lead       | 207-1 | 9165     | 9237     | 9948     | 9450     | 4.58   | cps   |
| Lead       | 208-1 | 41638    | 42962    | 43167    | 42589    | 1.95   | cps   |
| Lithium    | 6-1   | 669198   | 673505   | 669818   | 670840   | 0.35   | cps   |
| Magnesium  | 24-2  | 113871   | 114998   | 112469   | 113779   | 1.11   | cps   |
| Manganese  | 55-2  | 2290     | 2260     | 2274     | 2275     | 0.66   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV2              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV2              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:37:38 | DataFile Name :   | 043LCSE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 21809    | 20816    | 20791    | 21139    | 2.75   | cps   |
| Molybdenum | 95-1  | 26258    | 26576    | 26450    | 26428    | 0.60   | cps   |
| Molybdenum | 96-1  | 28696    | 28388    | 29573    | 28886    | 2.13   | cps   |
| Molybdenum | 97-1  | 16385    | 16268    | 16685    | 16446    | 1.31   | cps   |
| Molybdenum | 98-1  | 42213    | 41378    | 41871    | 41821    | 1.00   | cps   |
| Neodymium  | 150-1 | 0        | 13       | 0        | 4        | 173.21 | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 1630     | 1847     | 1877     | 1785     | 7.54   | cps   |
| Phosphorus | 31-2  | 383      | 300      | 367      | 350      | 12.60  | cps   |
| Potassium  | 39-2  | 195632   | 195199   | 197124   | 195985   | 0.52   | cps   |
| Rhodium    | 103-2 | 5025548  | 5021860  | 4967712  | 5005040  | 0.65   | cps   |
| Rhodium    | 103-1 | 10115922 | 10246540 | 10282337 | 10214933 | 0.86   | cps   |
| Scandium   | 45-1  | 6322403  | 6357388  | 6360280  | 6346690  | 0.33   | cps   |
| Scandium   | 45-2  | 327606   | 330646   | 329818   | 329357   | 0.48   | cps   |
| Selenium   | 77-2  | 50       | 47       | 37       | 44       | 15.61  | cps   |
| Selenium   | 78-2  | 406      | 307      | 324      | 346      | 15.19  | cps   |
| Selenium   | 82-1  | 822      | 666      | 759      | 749      | 10.45  | cps   |
| Silicon    | 28-1  | 1020104  | 1006465  | 1015007  | 1013859  | 0.68   | cps   |
| Silver     | 109-1 | 13632    | 14041    | 14133    | 13935    | 1.91   | cps   |
| Silver     | 107-1 | 14817    | 14375    | 14800    | 14664    | 1.71   | cps   |
| Sodium     | 23-2  | 252864   | 252203   | 252151   | 252406   | 0.16   | cps   |
| Strontium  | 86-1  | 7886     | 7269     | 7736     | 7630     | 4.22   | cps   |
| Strontium  | 88-1  | 31686    | 31719    | 31352    | 31586    | 0.64   | cps   |
| Sulfur     | 34-1  | 583534   | 582423   | 586483   | 584146   | 0.36   | cps   |
| Terbium    | 159-1 | 13742477 | 13580507 | 13614528 | 13645838 | 0.63   | cps   |
| Terbium    | 159-2 | 7409616  | 7323669  | 7432149  | 7388478  | 0.77   | cps   |
| Thallium   | 203-1 | 9862     | 9837     | 10179    | 9960     | 1.91   | cps   |
| Thallium   | 205-1 | 23321    | 24741    | 24098    | 24053    | 2.95   | cps   |
| Tin        | 118-1 | 45926    | 46829    | 45976    | 46244    | 1.10   | cps   |
| Titanium   | 47-1  | 6652     | 6894     | 6794     | 6780     | 1.79   | cps   |
| Uranium    | 238-1 | 30546    | 30111    | 30203    | 30287    | 0.76   | cps   |
| Vanadium   | 51-2  | 14828    | 14551    | 14981    | 14786    | 1.48   | cps   |
| Yttrium    | 89-2  | 1901426  | 1914839  | 1897705  | 1904657  | 0.47   | cps   |
| Yttrium    | 89-1  | 11846530 | 11638487 | 11493488 | 11659502 | 1.52   | cps   |
| Zinc       | 66-2  | 1507     | 1377     | 1340     | 1408     | 6.22   | cps   |
| Zirconium  | 90-1  | 17920    | 17670    | 17653    | 17748    | 0.84   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | LLCCV2              | Instrumnet Name : | P7                 |
| Client Sample ID :      | LLCCV2              | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:37:38 | DataFile Name :   | 043LCSE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 3992 | 4142 | 3517 | 3884    | 8.40   | cps   |



|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:41:09 | DataFile Name :   | 044CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 17       | 42       | 33       | 31       | 41.66  | cps   |
| Antimony   | 121-1 | 1508     | 1700     | 1792     | 1667     | 8.67   | cps   |
| Arsenic    | 75-2  | 17       | 28       | 43       | 29       | 44.82  | cps   |
| Barium     | 135-1 | 33       | 0        | 50       | 28       | 91.65  | cps   |
| Barium     | 137-1 | 58       | 42       | 75       | 58       | 28.57  | cps   |
| Beryllium  | 9-1   | 67       | 39       | 22       | 43       | 52.72  | cps   |
| Bismuth    | 209-1 | 8268382  | 8176743  | 8251335  | 8232153  | 0.59   | cps   |
| Bismuth    | 209-2 | 5411998  | 5447913  | 5368746  | 5409553  | 0.73   | cps   |
| Boron      | 10-1  | 375      | 367      | 333      | 358      | 6.15   | cps   |
| Boron      | 11-1  | 1659     | 1784     | 1742     | 1728     | 3.68   | cps   |
| Cadmium    | 106-1 | 3534     | 3242     | 3067     | 3281     | 7.19   | cps   |
| Cadmium    | 108-1 | 0        | 21       | 0        | 7        | 173.21 | cps   |
| Cadmium    | 111-1 | 2490     | 2272     | 2155     | 2306     | 7.38   | cps   |
| Calcium    | 43-1  | 400      | 408      | 458      | 422      | 7.47   | cps   |
| Calcium    | 44-1  | 21016    | 20490    | 20766    | 20757    | 1.27   | cps   |
| Chromium   | 52-2  | 700      | 713      | 757      | 723      | 4.10   | cps   |
| Cobalt     | 59-2  | 37       | 57       | 87       | 60       | 41.94  | cps   |
| Copper     | 63-2  | 603      | 633      | 583      | 607      | 4.15   | cps   |
| Dysprosium | 156-2 | 0        | 3        | 3        | 2        | 86.60  | cps   |
| Dysprosium | 156-1 | 50       | 17       | 8        | 25       | 88.19  | cps   |
| Erbium     | 164-1 | 33       | 83       | 33       | 50       | 57.75  | cps   |
| Erbium     | 164-2 | 17       | 13       | 20       | 17       | 20.01  | cps   |
| Gadolinium | 160-2 | 37       | 47       | 30       | 38       | 22.21  | cps   |
| Gadolinium | 160-1 | 100      | 75       | 58       | 78       | 26.96  | cps   |
| Holmium    | 165-2 | 7388220  | 7367682  | 7236242  | 7330715  | 1.12   | cps   |
| Holmium    | 165-1 | 13177312 | 13041965 | 13095135 | 13104804 | 0.52   | cps   |
| Indium     | 115-1 | 11102271 | 11123599 | 11047238 | 11091036 | 0.36   | cps   |
| Indium     | 115-2 | 2429159  | 2389110  | 2410808  | 2409692  | 0.83   | cps   |
| Iron       | 56-2  | 6146     | 5963     | 6124     | 6077     | 1.65   | cps   |
| Iron       | 57-2  | 106      | 106      | 139      | 117      | 16.49  | cps   |
| Lead       | 206-1 | 1450     | 1345     | 1567     | 1454     | 7.65   | cps   |
| Lead       | 207-1 | 1356     | 1250     | 1150     | 1252     | 8.21   | cps   |
| Lead       | 208-1 | 5723     | 5601     | 5484     | 5602     | 2.13   | cps   |
| Lithium    | 6-1   | 674964   | 674672   | 672022   | 673886   | 0.24   | cps   |
| Magnesium  | 24-2  | 167      | 258      | 242      | 222      | 21.98  | cps   |
| Manganese  | 55-2  | 53       | 97       | 77       | 76       | 28.71  | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:41:09 | DataFile Name :   | 044CCBE_P7033117.D |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 708      | 708      | 792      | 736      | 6.54   | cps   |
| Molybdenum | 95-1  | 408      | 375      | 558      | 447      | 21.84  | cps   |
| Molybdenum | 96-1  | 433      | 692      | 700      | 608      | 24.92  | cps   |
| Molybdenum | 97-1  | 325      | 533      | 458      | 439      | 24.04  | cps   |
| Molybdenum | 98-1  | 683      | 792      | 1133     | 870      | 27.01  | cps   |
| Neodymium  | 150-1 | 7        | 13       | 20       | 13       | 49.99  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 183      | 193      | 157      | 178      | 10.66  | cps   |
| Phosphorus | 31-2  | 275      | 317      | 200      | 264      | 22.40  | cps   |
| Potassium  | 39-2  | 63118    | 64558    | 63596    | 63757    | 1.15   | cps   |
| Rhodium    | 103-2 | 4972516  | 4883913  | 4930057  | 4928829  | 0.90   | cps   |
| Rhodium    | 103-1 | 10379435 | 10298200 | 10287031 | 10321555 | 0.49   | cps   |
| Scandium   | 45-1  | 6453710  | 6378496  | 6323925  | 6385377  | 1.02   | cps   |
| Scandium   | 45-2  | 327011   | 326273   | 325290   | 326191   | 0.26   | cps   |
| Selenium   | 77-2  | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 204      | 167      | 183      | 185      | 10.05  | cps   |
| Selenium   | 82-1  | 153      | 1        | 77       | 77       | 99.06  | cps   |
| Silicon    | 28-1  | 987980   | 982186   | 976703   | 982289   | 0.57   | cps   |
| Silver     | 109-1 | 258      | 225      | 225      | 236      | 8.15   | cps   |
| Silver     | 107-1 | 417      | 300      | 292      | 336      | 20.79  | cps   |
| Sodium     | 23-2  | 34332    | 33772    | 34064    | 34056    | 0.82   | cps   |
| Strontium  | 86-1  | 4843     | 4451     | 4493     | 4595     | 4.68   | cps   |
| Strontium  | 88-1  | 250      | 150      | 250      | 217      | 26.65  | cps   |
| Sulfur     | 34-1  | 578239   | 574368   | 581312   | 577973   | 0.60   | cps   |
| Terbium    | 159-1 | 13718916 | 13702148 | 13579954 | 13667006 | 0.56   | cps   |
| Terbium    | 159-2 | 7255247  | 7241712  | 7240209  | 7245723  | 0.11   | cps   |
| Thallium   | 203-1 | 392      | 300      | 208      | 300      | 30.56  | cps   |
| Thallium   | 205-1 | 675      | 725      | 675      | 692      | 4.17   | cps   |
| Tin        | 118-1 | 1317     | 1525     | 1684     | 1508     | 12.19  | cps   |
| Titanium   | 47-1  | 150      | 142      | 167      | 153      | 8.33   | cps   |
| Uranium    | 238-1 | 67       | 92       | 83       | 81       | 15.80  | cps   |
| Vanadium   | 51-2  | 3        | 20       | 17       | 13       | 66.16  | cps   |
| Yttrium    | 89-2  | 1886506  | 1878005  | 1857050  | 1873854  | 0.81   | cps   |
| Yttrium    | 89-1  | 11695269 | 11589448 | 11611685 | 11632134 | 0.48   | cps   |
| Zinc       | 66-2  | 207      | 213      | 210      | 210      | 1.59   | cps   |
| Zirconium  | 90-1  | 1050     | 1192     | 1267     | 1170     | 9.41   | cps   |

|                         |                     |                   |                    |
|-------------------------|---------------------|-------------------|--------------------|
| LB Number :             | LB86662             | Operator :        | Jaswal             |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P7                 |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1                  |
| Date & Time Acquired :: | 2017-03-31 15:41:09 | DataFile Name :   | 044CCBE_P7033117.D |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 208  | 283  | 317  | 269     | 20.59  | cps   |