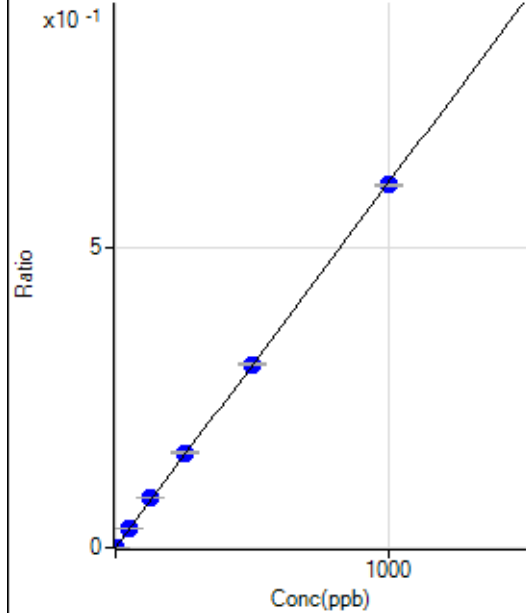


Batch Folder: D:\ICP-MS Data\P7121518-MS .b\  
Analysis File: P7121518-MS .batch.bin  
DA Date-Time: 2018-12-15 18:05:36  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File    | Sample Name | Acq. Date-Time      |
|-------|-----------------------|-------------|---------------------|
| 1     | 003CALB P7121518-MS.D | S00         | 2018-12-15 14:14:02 |
| 2     |                       |             |                     |
| 3     | 005CALS P7121518-MS.D | S02         | 2018-12-15 14:22:00 |
| 4     | 006CALS P7121518-MS.D | S03         | 2018-12-15 14:25:55 |
| 5     | 007CALS P7121518-MS.D | S04         | 2018-12-15 14:30:05 |
| 6     | 008CALS P7121518-MS.D | S05         | 2018-12-15 14:33:53 |
| 7     | 009CALS P7121518-MS.D | S06         | 2018-12-15 14:37:41 |
| 8     | 015CALS P7121518-MS.D | S07         | 2018-12-15 15:26:02 |
| 9     | 016CALS P7121518-MS.D | S08         | 2018-12-15 15:29:48 |

**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      | 11.11      | 0.0000 | P    | 99.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.025      | 3895.04    | 0.0006 | P    | 3.7  |
| 4 | <input type="checkbox"/> | 50.000   | 54.936     | 209603.35  | 0.0334 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 137.096    | 503402.87  | 0.0834 | P    | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 260.443    | 916993.88  | 0.1585 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 502.924    | 1695293.21 | 0.3060 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.168    | 3641879.97 | 0.6049 | P    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 544.47     | 0.0001 | P    | 6.9  |

$$y = 6.0845\text{E-}004 * x + 1.7887\text{E-}006$$

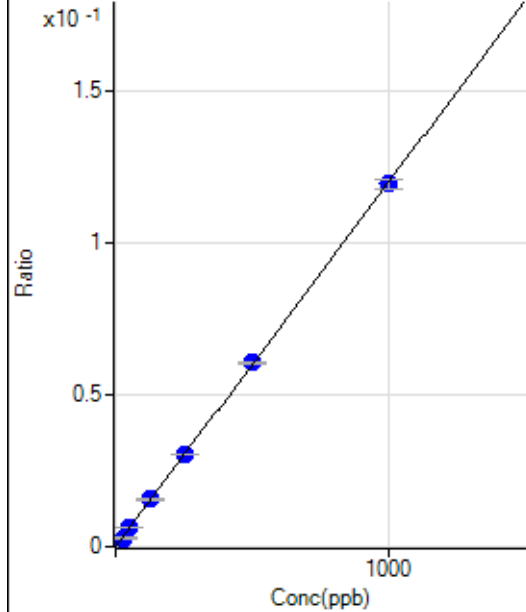
$$R = 0.9999$$

$$DL = 0.00877$$

$$BEC = 0.00294$$

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      | 188.90    | 0.0000 | P    | 22.2 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 23.328     | 17619.18  | 0.0028 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 50.000   | 51.962     | 39296.79  | 0.0063 | P    | 2.5  |
| 5 | <input type="checkbox"/> | 125.000  | 130.582    | 94746.98  | 0.0157 | P    | 3.0  |
| 6 | <input type="checkbox"/> | 250.000  | 252.821    | 175750.11 | 0.0304 | P    | 1.7  |
| 7 | <input type="checkbox"/> | 500.000  | 505.062    | 336015.60 | 0.0606 | P    | 1.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.010    | 719883.06 | 0.1196 | P    | 2.8  |
| 9 | <input type="checkbox"/> |          |            | 20570.36  | 0.0038 | P    | 11.7 |

$$y = 1.2002\text{E-}004 * x + 3.0342\text{E-}005$$

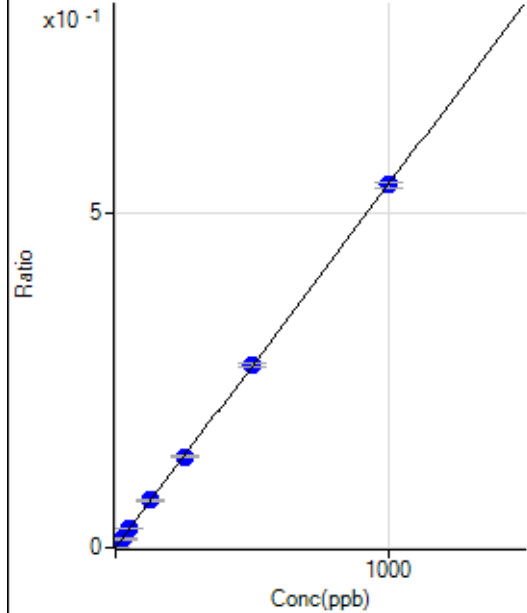
$$R = 1.0000$$

$$DL = 0.1681$$

$$BEC = 0.2528$$

Weight: &lt;None&gt;

Min Conc: 0

**11 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      | 858.39     | 0.0001 | P   | 9.7 |
| 2 | <input type="checkbox"/> | 2.500    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 25.000   | 23.752     | 81093.67   | 0.0130 | P   | 4.0 |
| 4 | <input type="checkbox"/> | 50.000   | 51.648     | 176595.42  | 0.0282 | P   | 2.4 |
| 5 | <input type="checkbox"/> | 125.000  | 130.297    | 427445.20  | 0.0708 | P   | 2.5 |
| 6 | <input type="checkbox"/> | 250.000  | 250.546    | 787421.64  | 0.1361 | P   | 2.6 |
| 7 | <input type="checkbox"/> | 500.000  | 501.315    | 1507851.41 | 0.2722 | P   | 2.0 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.493    | 3262830.00 | 0.5420 | P   | 1.6 |
| 9 | <input type="checkbox"/> |          |            | 94129.87   | 0.0172 | P   | 8.2 |

$$y = 5.4264\text{E-}004 * x + 1.3783\text{E-}004$$

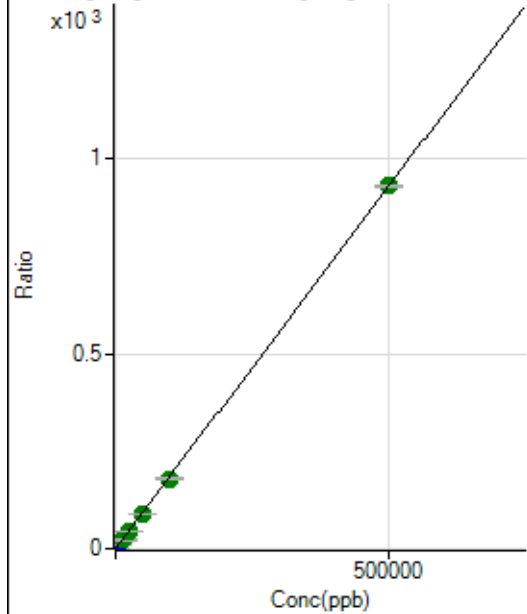
$$R = 1.0000$$

$$DL = 0.07358$$

$$BEC = 0.254$$

Weight: &lt;None&gt;

Min Conc: 0

**23 Na [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      | 5887.51     | 0.0163   | P   | 1.5 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |     |     |
| 3 | <input type="checkbox"/> | 500.000   | 437.556    | 299735.15   | 0.8287   | P   | 0.2 |
| 4 | <input type="checkbox"/> | 5000.000  | 4789.478   | 3049677.87  | 8.9088   | P   | 1.3 |
| 5 | <input type="checkbox"/> | 12500.000 | 11952.368  | 6958152.59  | 22.2080  | A   | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 24288.970  | 12697460.27 | 45.1132  | A   | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 48191.631  | 24752565.48 | 89.4929  | A   | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 96676.162  | 57346074.20 | 179.5132 | A   | 1.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 500897.01  | 320866318.2 | 930.0230 | A   | 0.5 |

$$y = 0.0019 * x + 0.0163$$

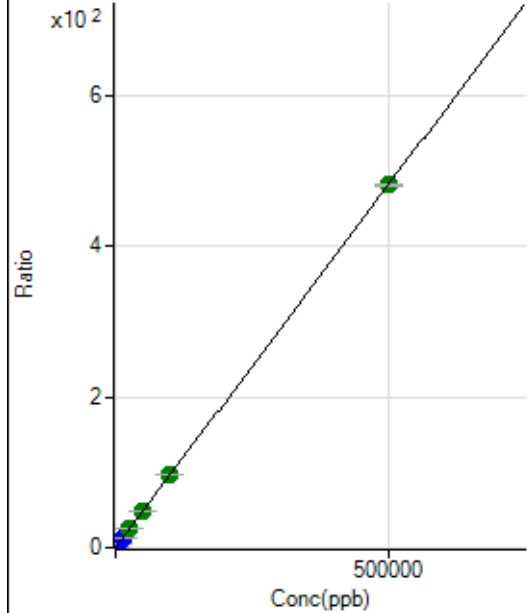
$$R = 1.0000$$

$$DL = 0.4024$$

$$BEC = 8.774$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 86.11       | 0.0002   | P    | 14.7 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 461.567    | 160930.42   | 0.4449   | P    | 0.9  |
| 4 | <input type="checkbox"/> | 5000.000  | 5121.323   | 1689238.40  | 4.9343   | P    | 0.6  |
| 5 | <input type="checkbox"/> | 12500.000 | 12694.625  | 3832003.34  | 12.2307  | P    | 0.8  |
| 6 | <input type="checkbox"/> | 25000.000 | 25772.835  | 6988880.37  | 24.8308  | A    | 0.5  |
| 7 | <input type="checkbox"/> | 50000.000 | 50804.679  | 13538216.45 | 48.9474  | A    | 0.6  |
| 8 | <input type="checkbox"/> | 100000.00 | 100916.20  | 31059831.60 | 97.2268  | A    | 1.1  |
| 9 | <input type="checkbox"/> | 500000.00 | 499691.61  | 166092917.6 | 481.4226 | A    | 0.4  |

$$y = 9.6344\text{E-}004 * x + 2.3826\text{E-}004$$

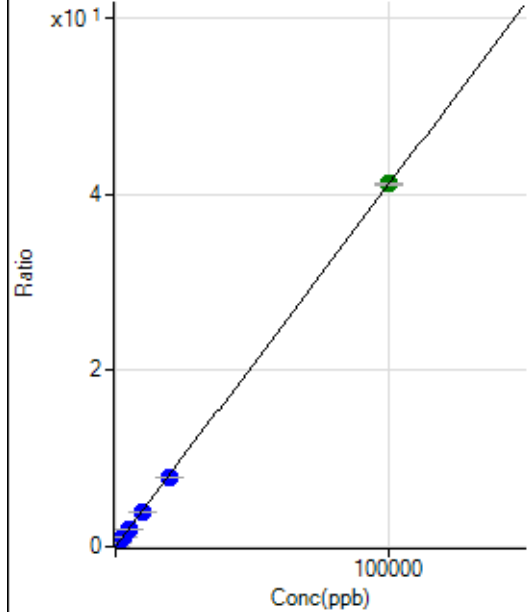
$$R = 1.0000$$

$$DL = 0.109$$

$$BEC = 0.2473$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 25.00       | 0.0001  | P    | 57.1 |
| 2 | <input type="checkbox"/> | 2.000     |            |             |         |      |      |
| 3 | <input type="checkbox"/> | 20.000    | 17.313     | 2597.56     | 0.0072  | P    | 2.8  |
| 4 | <input type="checkbox"/> | 1000.000  | 985.024    | 138550.04   | 0.4047  | P    | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2420.151   | 311538.33   | 0.9943  | P    | 0.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 4883.549   | 564692.99   | 2.0063  | P    | 1.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 9609.707   | 1091949.72  | 3.9479  | P    | 0.4  |
| 8 | <input type="checkbox"/> | 20000.000 | 19141.159  | 2512231.44  | 7.8636  | P    | 0.5  |
| 9 | <input type="checkbox"/> | 100000.00 | 100218.76  | 14204625.84 | 41.1719 | A    | 0.4  |

$$y = 4.1082\text{E-}004 * x + 6.9047\text{E-}005$$

$$R = 1.0000$$

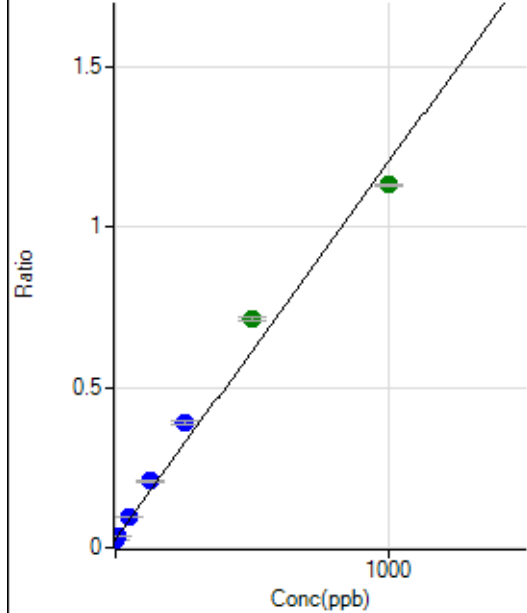
$$DL = 0.2881$$

$$BEC = 0.1681$$

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      | 239460.85  | 0.0267 | P    | 0.8 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 10.000   | 8.854      | 331856.43  | 0.0371 | P    | 0.4 |
| 4 | <input type="checkbox"/> | 50.000   | 58.564     | 840474.78  | 0.0955 | P    | 2.3 |
| 5 | <input type="checkbox"/> | 125.000  | 153.780    | 1698237.67 | 0.2074 | P    | 2.3 |
| 6 | <input type="checkbox"/> | 250.000  | 306.848    | 2870027.10 | 0.3872 | P    | 2.8 |
| 7 | <input type="checkbox"/> | 500.000  | 583.948    | 5035873.11 | 0.7128 | A    | 1.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 939.800    | 9114769.56 | 1.1308 | A    | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 805774.45  | 0.1000 | P    | 1.6 |

$$y = 0.0012 * x + 0.0267$$

$$R = 0.9922$$

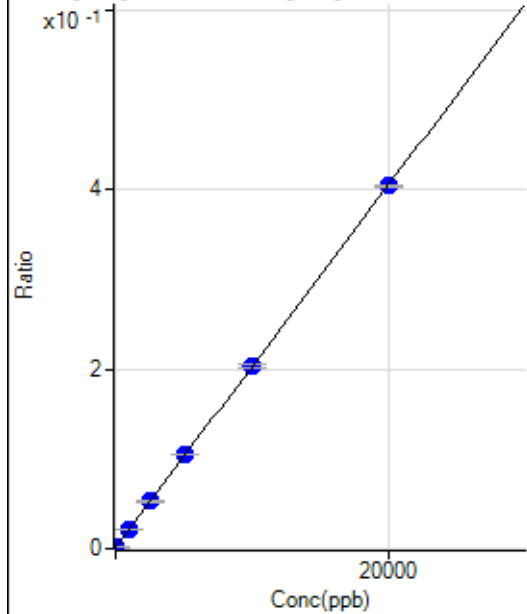
$$DL = 0.5605$$

$$BEC = 22.75$$

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     | -24.936    | 283.35    | 0.0008 | P    | 11.2 |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 0.000     | 24.936     | 647.26    | 0.0018 | P    | 6.4  |
| 4 | <input type="checkbox"/> | 1000.000  | 1020.307   | 7482.71   | 0.0219 | P    | 3.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2569.939   | 16640.38  | 0.0531 | P    | 3.6  |
| 6 | <input type="checkbox"/> | 5000.000  | 5120.230   | 29424.33  | 0.1045 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 10017.884  | 56234.52  | 0.2033 | P    | 1.5  |
| 8 | <input type="checkbox"/> | 20000.000 | 19951.243  | 128955.92 | 0.4036 | P    | 0.3  |
| 9 | <input type="checkbox"/> |           |            | 338.91    | 0.0010 | P    | 8.6  |

$$y = 2.0166E-005 * x + 0.0013$$

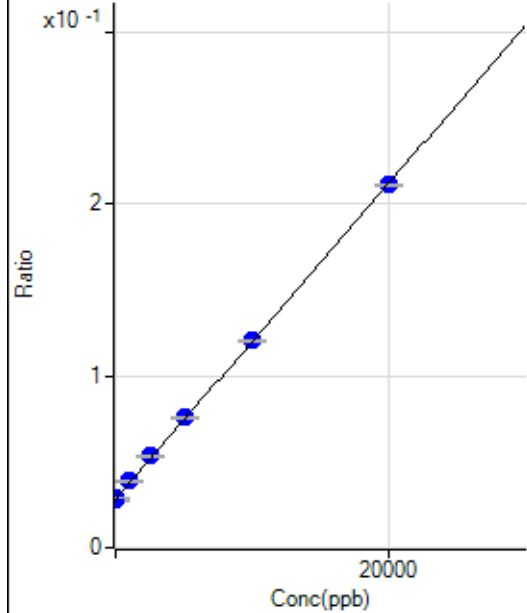
$$R = 1.0000$$

$$DL = 14.98$$

$$BEC = 63.8$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -74.428    | 246758.69  | 0.0275 | P    | 1.4 |
| 2 | <input type="checkbox"/> | 0.000     |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 0.000     | 74.428     | 258398.23  | 0.0289 | P    | 0.3 |
| 4 | <input type="checkbox"/> | 1000.000  | 1132.263   | 339910.71  | 0.0386 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2714.024   | 435439.49  | 0.0532 | P    | 0.7 |
| 6 | <input type="checkbox"/> | 5000.000  | 5191.677   | 562951.97  | 0.0759 | P    | 1.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 10024.951  | 850334.13  | 0.1203 | P    | 0.3 |
| 8 | <input type="checkbox"/> | 20000.000 | 19906.239  | 1701929.31 | 0.2112 | P    | 0.8 |
| 9 | <input type="checkbox"/> |           |            | 226369.17  | 0.0281 | P    | 2.0 |

$$y = 9.1894\text{E-}006 * x + 0.0282$$

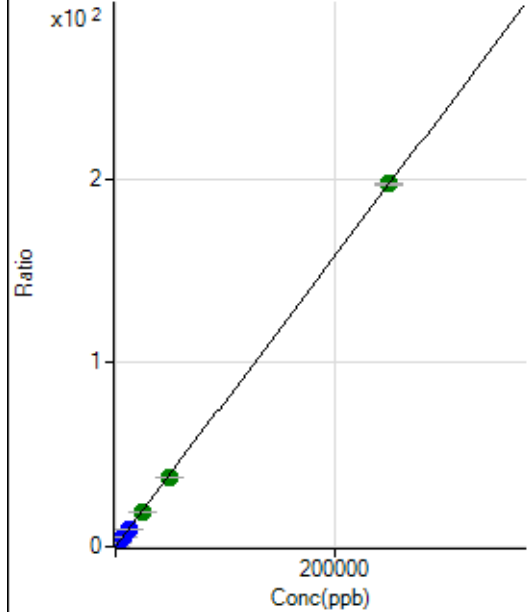
R = 0.9999

DL = 76.83

BEC = 3072

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 11035.05    | 0.0305   | P    | 3.2 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 457.358    | 141328.65   | 0.3907   | P    | 0.8 |
| 4 | <input type="checkbox"/> | 2500.000  | 2471.995   | 676948.11   | 1.9774   | P    | 0.7 |
| 5 | <input type="checkbox"/> | 6250.000  | 6026.622   | 1496727.84  | 4.7769   | P    | 0.2 |
| 6 | <input type="checkbox"/> | 12500.000 | 12029.984  | 2675262.69  | 9.5049   | P    | 0.5 |
| 7 | <input type="checkbox"/> | 25000.000 | 23772.860  | 5186897.60  | 18.7531  | A    | 0.8 |
| 8 | <input type="checkbox"/> | 50000.000 | 47694.625  | 12009266.24 | 37.5929  | A    | 1.2 |
| 9 | <input type="checkbox"/> | 250000.00 | 250613.24  | 68105060.55 | 197.4036 | A    | 0.4 |

$$y = 7.8756\text{E-}004 * x + 0.0305$$

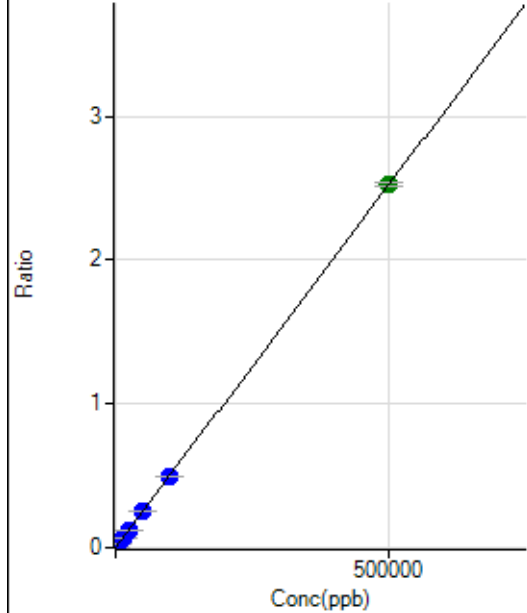
R = 0.9999

DL = 3.687

BEC = 38.78

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      | 113.89      | 0.0000 | P    | 15.7 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 452.365    | 20495.45    | 0.0023 | P    | 2.7  |
| 4 | <input type="checkbox"/> | 5000.000  | 4896.450   | 217289.96   | 0.0247 | P    | 1.3  |
| 5 | <input type="checkbox"/> | 12500.000 | 12487.399  | 515634.40   | 0.0630 | P    | 1.9  |
| 6 | <input type="checkbox"/> | 25000.000 | 24984.618  | 933872.86   | 0.1260 | P    | 1.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 49385.602  | 1759132.85  | 0.2490 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 97474.583  | 3960660.03  | 0.4914 | P    | 1.1  |
| 9 | <input type="checkbox"/> | 500000.00 | 500568.69  | 20340660.00 | 2.5235 | A    | 0.9  |

$$y = 5.0412\text{E-}006 * x + 1.2718\text{E-}005$$

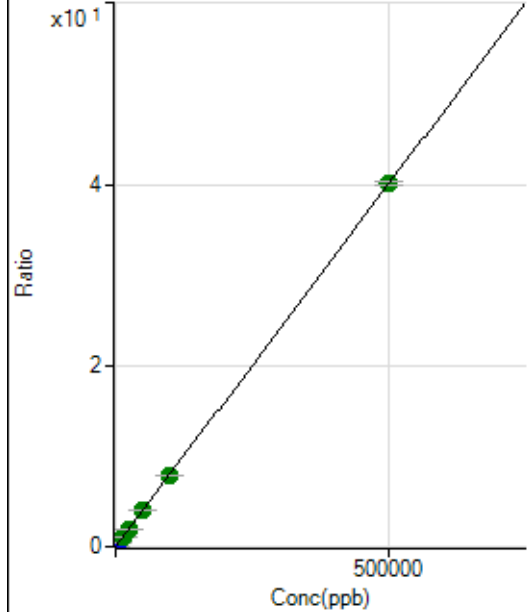
$$R = 1.0000$$

$$DL = 1.187$$

$$BEC = 2.523$$

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      | 7105.49     | 0.0008  | P    | 1.5 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |         |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 454.141    | 331974.68   | 0.0371  | P    | 0.1 |
| 4 | <input type="checkbox"/> | 5000.000  | 4919.521   | 3471515.14  | 0.3946  | P    | 0.7 |
| 5 | <input type="checkbox"/> | 12500.000 | 12292.805  | 8064436.12  | 0.9847  | A    | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 24729.337  | 14679740.61 | 1.9801  | A    | 1.3 |
| 7 | <input type="checkbox"/> | 50000.000 | 49463.880  | 27978822.50 | 3.9599  | A    | 0.3 |
| 8 | <input type="checkbox"/> | 100000.00 | 98066.252  | 63272152.11 | 7.8500  | A    | 0.7 |
| 9 | <input type="checkbox"/> | 500000.00 | 500459.92  | 322897568.3 | 40.0575 | A    | 0.9 |

$$y = 8.0040\text{E-}005 * x + 7.9306\text{E-}004$$

$$R = 1.0000$$

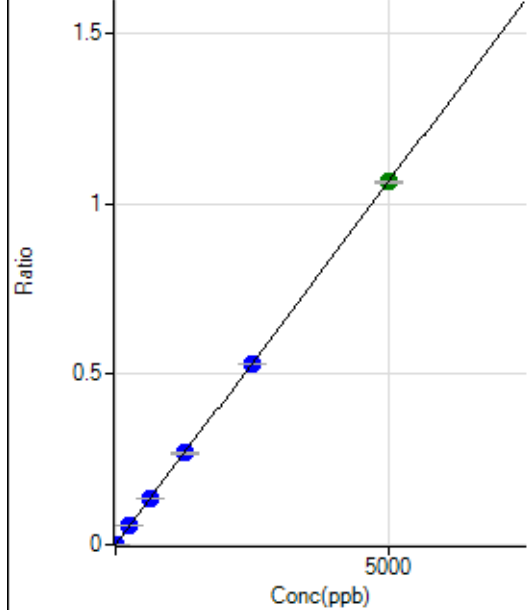
$$DL = 0.4575$$

$$BEC = 9.908$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 94.45      | 0.0000 | P        | 10.5 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.833      | 9303.31    | 0.0010 | P        | 2.0  |
| 4 | <input type="checkbox"/> | 250.000  | 252.129    | 473016.90  | 0.0538 | P        | 0.3  |
| 5 | <input type="checkbox"/> | 625.000  | 635.710    | 1109941.77 | 0.1355 | P        | 0.4  |
| 6 | <input type="checkbox"/> | 1250.000 | 1262.756   | 1995682.62 | 0.2692 | P        | 1.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2492.005   | 3753442.18 | 0.5312 | P        | 0.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 4999.364   | 8590142.55 | 1.0658 | A        | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 4512.00    | 0.0006 | P        | 5.4  |

$$y = 2.1318\text{E-}004 * x + 1.0544\text{E-}005$$

$$R = 1.0000$$

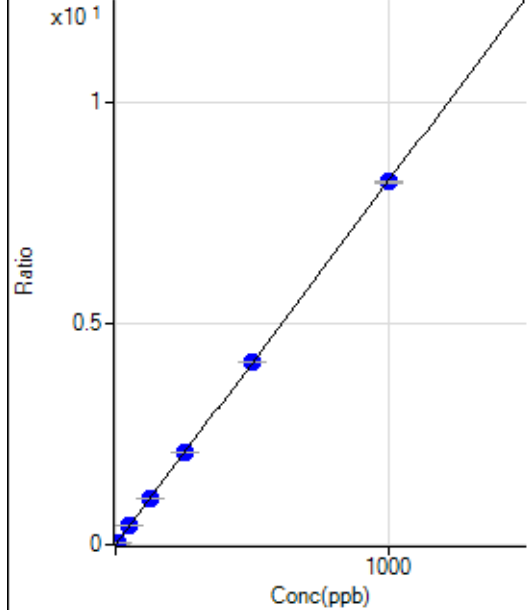
$$DL = 0.01552$$

$$BEC = 0.04946$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7.78       | 0.0000 | P        | 65.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.937      | 14720.83   | 0.0407 | P        | 0.9  |
| 4 | <input type="checkbox"/> | 50.000   | 51.491     | 145238.51  | 0.4243 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 126.124    | 325587.17  | 1.0392 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 253.251    | 587286.98  | 2.0866 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 502.570    | 1145292.13 | 4.1407 | P        | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.687    | 2626041.96 | 8.2201 | P        | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 1104.50    | 0.0032 | P        | 6.0  |

$$y = 0.0082 * x + 2.1573\text{E-}005$$

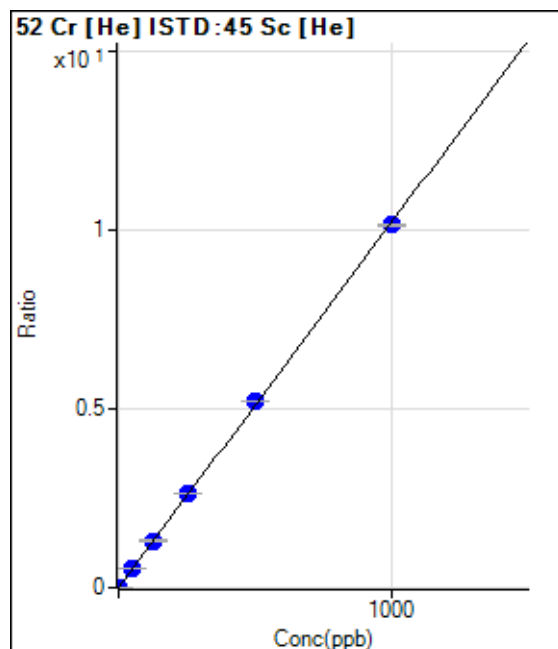
$$R = 1.0000$$

$$DL = 0.005179$$

$$BEC = 0.002618$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 844.48     | 0.0023  | P    | 2.5 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 1.913      | 7901.13    | 0.0218  | P    | 1.4 |
| 4 | <input type="checkbox"/> | 50.000   | 52.501     | 184111.05  | 0.5378  | P    | 1.1 |
| 5 | <input type="checkbox"/> | 125.000  | 128.295    | 410697.72  | 1.3109  | P    | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 257.305    | 739308.28  | 2.6267  | P    | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 508.359    | 1434761.59 | 5.1873  | P    | 0.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 993.458    | 3237831.86 | 10.1350 | P    | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 135049.41  | 0.3914  | P    | 0.4 |

$$y = 0.0102 * x + 0.0023$$

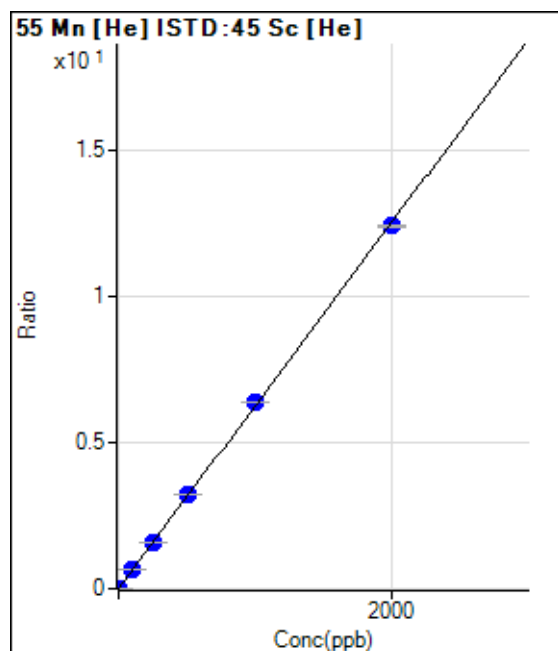
$$R = 0.9999$$

$$DL = 0.01719$$

$$BEC = 0.2291$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 40.00      | 0.0001  | P    | 22.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.974      | 2249.10    | 0.0062  | P    | 4.0  |
| 4 | <input type="checkbox"/> | 100.000  | 103.675    | 222688.80  | 0.6505  | P    | 0.7  |
| 5 | <input type="checkbox"/> | 250.000  | 256.571    | 504326.82  | 1.6096  | P    | 0.5  |
| 6 | <input type="checkbox"/> | 500.000  | 517.771    | 914242.51  | 3.2482  | P    | 0.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1023.573   | 1776054.82 | 6.4212  | P    | 0.2  |
| 8 | <input type="checkbox"/> | 2000.000 | 1982.765   | 3973809.80 | 12.4385 | P    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 28820.60   | 0.0835  | P    | 2.2  |

$$y = 0.0063 * x + 1.1078E-004$$

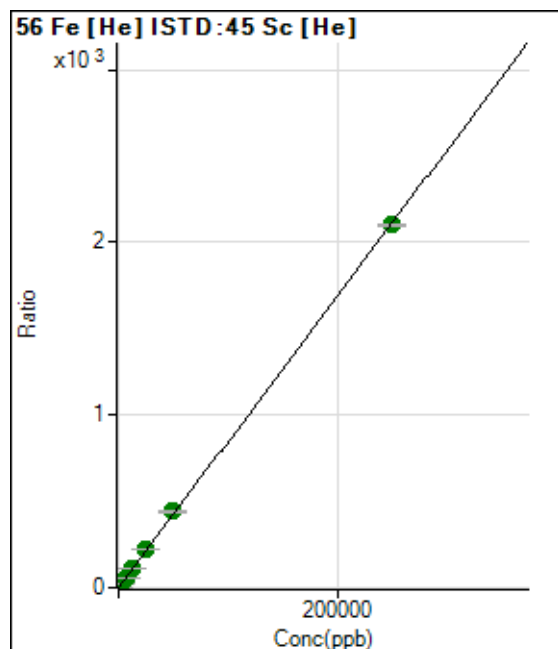
$$R = 0.9999$$

$$DL = 0.01198$$

$$BEC = 0.01766$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3202.30     | 0.0089    | P    | 5.3 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |           |      |     |
| 3 | <input type="checkbox"/> | 50.000    | 53.002     | 164736.97   | 0.4555    | P    | 1.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2740.604   | 7908742.36  | 23.1016   | A    | 0.5 |
| 5 | <input type="checkbox"/> | 6250.000  | 6795.585   | 17943791.84 | 57.2695   | A    | 0.5 |
| 6 | <input type="checkbox"/> | 12500.000 | 13663.310  | 32406891.23 | 115.1380  | A    | 0.6 |
| 7 | <input type="checkbox"/> | 25000.000 | 27006.743  | 62943669.92 | 227.5718  | A    | 0.4 |
| 8 | <input type="checkbox"/> | 50000.000 | 52350.394  | 140916191.1 | 441.1212  | A    | 1.3 |
| 9 | <input type="checkbox"/> | 250000.00 | 249255.03  | 724586053.2 | 2,100.269 | A    | 0.7 |

$$y = 0.0084 * x + 0.0089$$

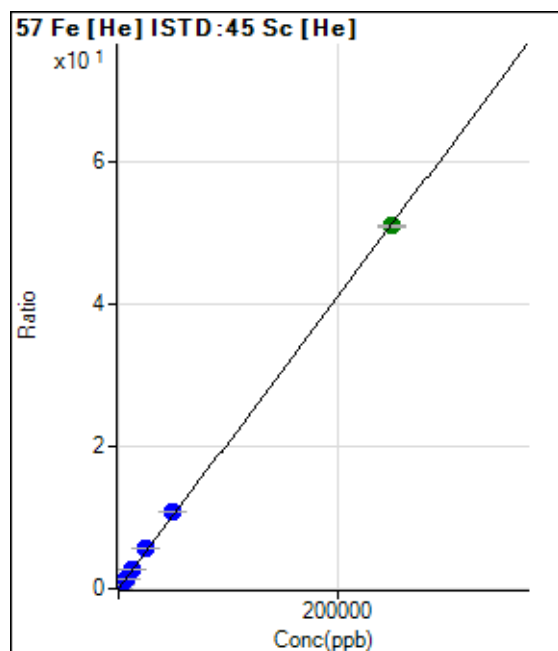
$$R = 0.9999$$

$$DL = 0.1683$$

$$BEC = 1.052$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 107.41      | 0.0003  | P    | 28.7 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |         |      |      |
| 3 | <input type="checkbox"/> | 50.000    | 56.083     | 4265.54     | 0.0118  | P    | 2.0  |
| 4 | <input type="checkbox"/> | 2500.000  | 2775.564   | 194876.14   | 0.5692  | P    | 0.5  |
| 5 | <input type="checkbox"/> | 6250.000  | 6881.333   | 442020.73   | 1.4108  | P    | 1.1  |
| 6 | <input type="checkbox"/> | 12500.000 | 13789.551  | 795643.70   | 2.8269  | P    | 0.7  |
| 7 | <input type="checkbox"/> | 25000.000 | 27184.263  | 1541326.49  | 5.5725  | P    | 0.5  |
| 8 | <input type="checkbox"/> | 50000.000 | 52706.802  | 3451635.78  | 10.8041 | P    | 0.5  |
| 9 | <input type="checkbox"/> | 250000.00 | 249157.19  | 17619884.08 | 51.0724 | A    | 0.7  |

$$y = 2.0498E-004 * x + 2.9740E-004$$

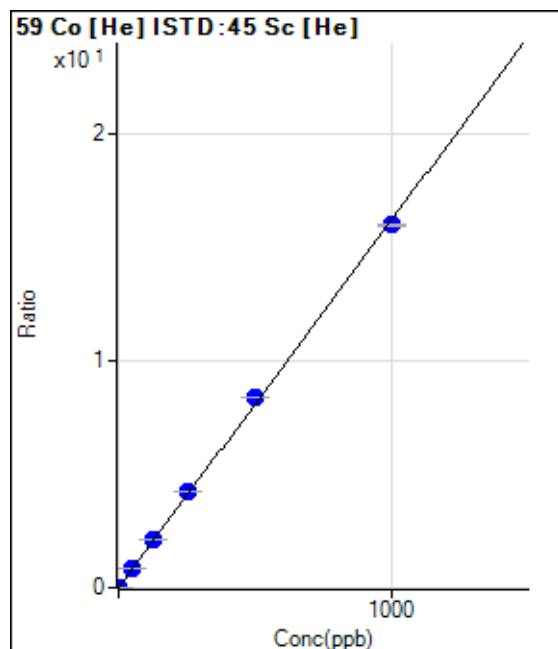
$$R = 0.9999$$

$$DL = 1.25$$

$$BEC = 1.451$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 87.78      | 0.0002  | P    | 15.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.978      | 5812.35    | 0.0161  | P    | 0.4  |
| 4 | <input type="checkbox"/> | 50.000   | 54.333     | 301133.51  | 0.8796  | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 132.869    | 673857.97  | 2.1508  | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 262.170    | 1194372.32 | 4.2435  | P    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 517.094    | 2314950.63 | 8.3696  | P    | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 987.210    | 5104651.94 | 15.9785 | P    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 66611.45   | 0.1931  | P    | 0.4  |

$$y = 0.0162 * x + 2.4276E-004$$

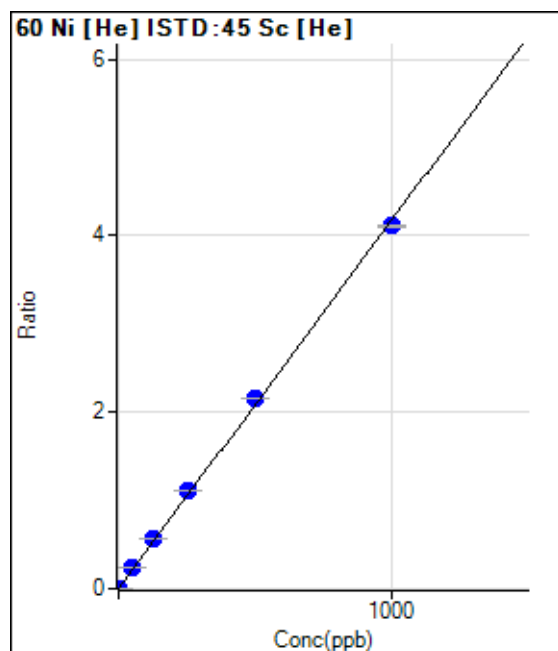
$$R = 0.9997$$

$$DL = 0.006845$$

$$BEC = 0.015$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11      | 0.0002 | P    | 29.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.076      | 1684.57    | 0.0047 | P    | 3.3  |
| 4 | <input type="checkbox"/> | 50.000   | 56.135     | 80209.07   | 0.2343 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 136.264    | 178121.26  | 0.5685 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 266.718    | 313143.01  | 1.1126 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 517.637    | 597180.53  | 2.1591 | P    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 985.287    | 1312848.11 | 4.1095 | P    | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 44669.07   | 0.1295 | P    | 1.3  |

$$y = 0.0042 * x + 1.6903E-004$$

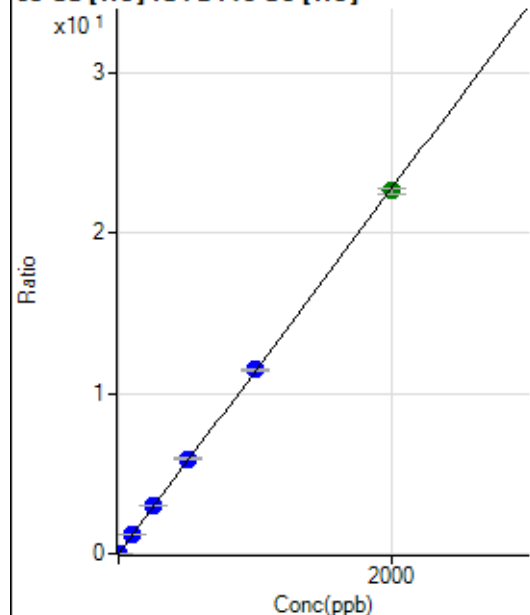
$$R = 0.9996$$

$$DL = 0.03639$$

$$BEC = 0.04053$$

Weight: <None>

Min Conc: 0

**<sup>63</sup>Cu [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      | 323.34     | 0.0009  | P    | 8.9 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.025      | 8654.89    | 0.0239  | P    | 2.7 |
| 4 | <input type="checkbox"/> | 100.000  | 109.352    | 426126.06  | 1.2448  | P    | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 266.228    | 949076.91  | 3.0293  | P    | 0.9 |
| 6 | <input type="checkbox"/> | 500.000  | 520.959    | 1668148.99 | 5.9268  | P    | 0.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 1008.740   | 3173965.30 | 11.4754 | P    | 0.9 |
| 8 | <input type="checkbox"/> | 2000.000 | 1987.894   | 7223882.12 | 22.6133 | A    | 1.4 |
| 9 | <input type="checkbox"/> |          |            | 14851.04   | 0.0430  | P    | 1.4 |

$$y = 0.0114 * x + 8.9444E-004$$

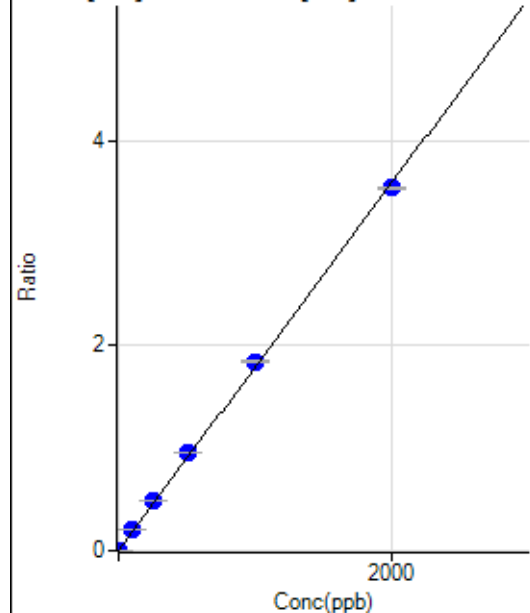
$$R = 0.9999$$

$$DL = 0.02099$$

$$BEC = 0.07863$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>66</sup>Zn [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      | 383.35     | 0.0011 | P    | 8.2 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.012      | 1687.90    | 0.0047 | P    | 3.6 |
| 4 | <input type="checkbox"/> | 100.000  | 109.814    | 67718.41   | 0.1978 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 267.850    | 150691.59  | 0.4810 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 533.656    | 269406.23  | 0.9572 | P    | 1.0 |
| 7 | <input type="checkbox"/> | 1000.000 | 1029.819   | 510631.29  | 1.8461 | P    | 0.7 |
| 8 | <input type="checkbox"/> | 2000.000 | 1973.954   | 1130222.33 | 3.5377 | P    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 9167.45    | 0.0266 | P    | 2.3 |

$$y = 0.0018 * x + 0.0011$$

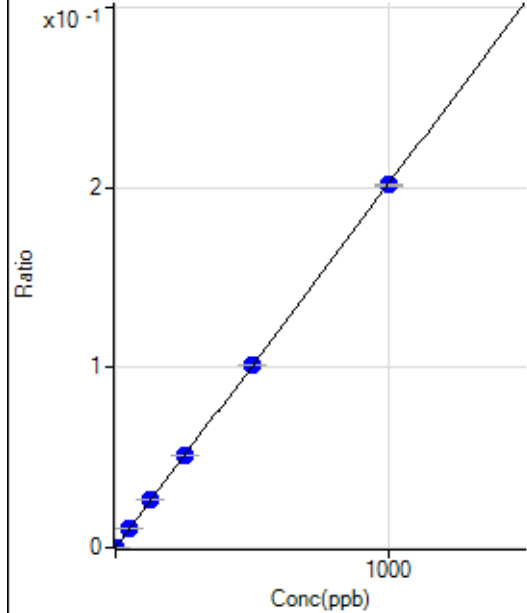
$$R = 0.9997$$

$$DL = 0.1459$$

$$BEC = 0.5922$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3.09      | 0.0000 | P        | 70.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.975      | 364.21    | 0.0002 | P        | 8.0  |
| 4 | <input type="checkbox"/> | 50.000   | 53.446     | 19118.19  | 0.0108 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 131.635    | 43260.34  | 0.0266 | P        | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 254.143    | 77046.28  | 0.0514 | P        | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 501.058    | 148549.53 | 0.1013 | P        | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.434    | 328545.23 | 0.2016 | P        | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 467.29    | 0.0003 | P        | 8.8  |

$$y = 2.0209\text{E-}004 * x + 1.6898\text{E-}006$$

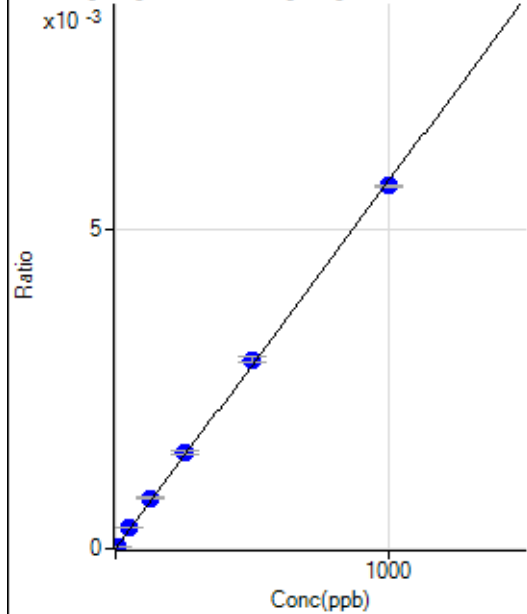
$$R = 1.0000$$

$$DL = 0.01773$$

$$BEC = 0.008362$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det<br>. | 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    | 4.419      | 46.67   | 0.0000 | P        | 7.6  |
| 4 | <input type="checkbox"/> | 50.000   | 57.086     | 582.24  | 0.0003 | P        | 5.4  |
| 5 | <input type="checkbox"/> | 125.000  | 137.400    | 1287.86 | 0.0008 | P        | 2.2  |
| 6 | <input type="checkbox"/> | 250.000  | 262.056    | 2265.77 | 0.0015 | P        | 2.7  |
| 7 | <input type="checkbox"/> | 500.000  | 515.348    | 4358.50 | 0.0030 | P        | 2.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 987.410    | 9277.55 | 0.0057 | P        | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 8.89    | 0.0000 | P        | 20.2 |

$$y = 5.7641\text{E-}006 * x + 0.0000\text{E+}000$$

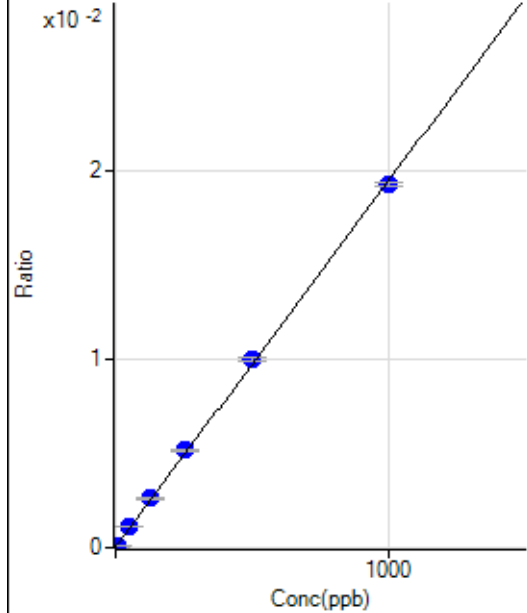
$$R = 0.9997$$

$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 44.45    | 0.0000 | P    | 8.4  |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.513      | 240.74   | 0.0001 | P    | 6.9  |
| 4 | <input type="checkbox"/> | 50.000   | 56.061     | 1971.76  | 0.0011 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 133.553    | 4261.77  | 0.0026 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 265.166    | 7769.42  | 0.0052 | P    | 1.7  |
| 7 | <input type="checkbox"/> | 500.000  | 511.427    | 14621.02 | 0.0100 | P    | 2.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.120    | 31385.18 | 0.0193 | P    | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 48.15    | 0.0000 | P    | 45.2 |

$$y = 1.9440\text{E-}005 * x + 2.4212\text{E-}005$$

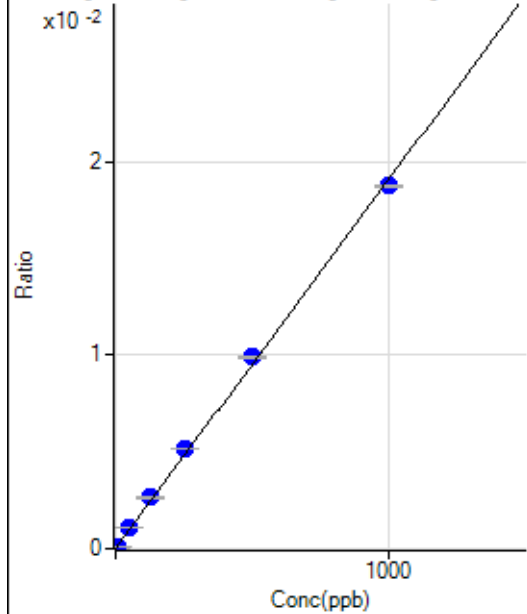
$$R = 0.9998$$

$$DL = 0.3131$$

$$BEC = 1.245$$

Weight: &lt;None&gt;

Min Conc: 0

**82 Se [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      | 75.18     | 0.0000 | P    | 60.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.339      | 1440.52   | 0.0001 | P    | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 54.949     | 13927.37  | 0.0011 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 138.257    | 32903.11  | 0.0026 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 269.953    | 58923.01  | 0.0052 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 519.015    | 109259.57 | 0.0099 | P    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 983.598    | 232277.46 | 0.0188 | P    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 148.97    | 0.0000 | P    | 49.9 |

$$y = 1.9069\text{E-}005 * x + 5.5420\text{E-}006$$

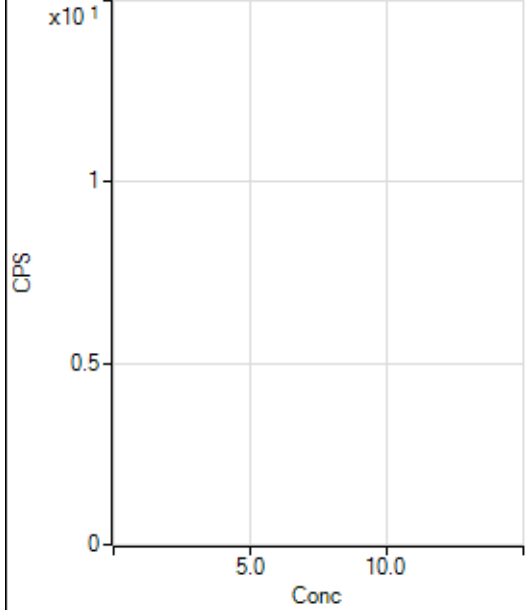
$$R = 0.9995$$

$$DL = 0.5287$$

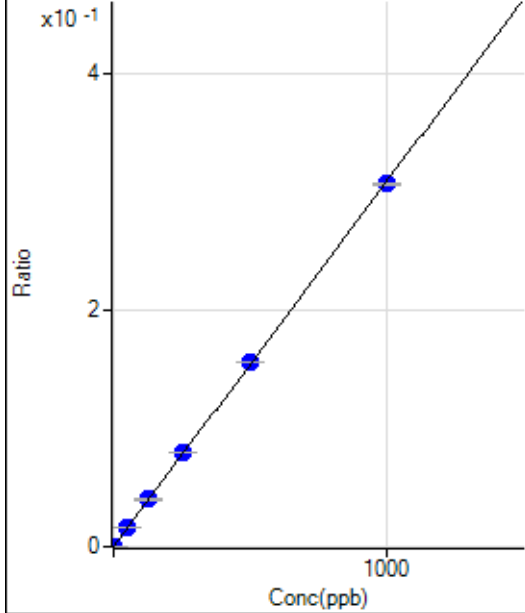
$$BEC = 0.2906$$

Weight: &lt;None&gt;

Min Conc: 0

**83 Kr [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 298.90 |       | P        | 8.4  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 326.68 |       | P        | 11.0 |
| 4 | <input type="checkbox"/> |       |            | 320.01 |       | P        | 10.8 |
| 5 | <input type="checkbox"/> |       |            | 283.34 |       | P        | 8.2  |
| 6 | <input type="checkbox"/> |       |            | 287.79 |       | P        | 17.7 |
| 7 | <input type="checkbox"/> |       |            | 254.45 |       | P        | 8.7  |
| 8 | <input type="checkbox"/> |       |            | 314.46 |       | P        | 9.8  |
| 9 | <input type="checkbox"/> |       |            | 422.24 |       | P        | 16.9 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 561.15     | 0.0000 | P        | 1.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.875      | 4181.34    | 0.0003 | P        | 0.4 |
| 4 | <input type="checkbox"/> | 50.000   | 50.853     | 208266.91  | 0.0158 | P        | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 129.170    | 497504.69  | 0.0399 | P        | 0.3 |
| 6 | <input type="checkbox"/> | 250.000  | 257.313    | 909348.30  | 0.0795 | P        | 1.1 |
| 7 | <input type="checkbox"/> | 500.000  | 506.336    | 1726333.78 | 0.1565 | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.440    | 3803927.08 | 0.3073 | P        | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 17964.64   | 0.0015 | P        | 1.4 |

$$y = 3.0894E-004 * x + 4.1362E-005$$

$$R = 0.9999$$

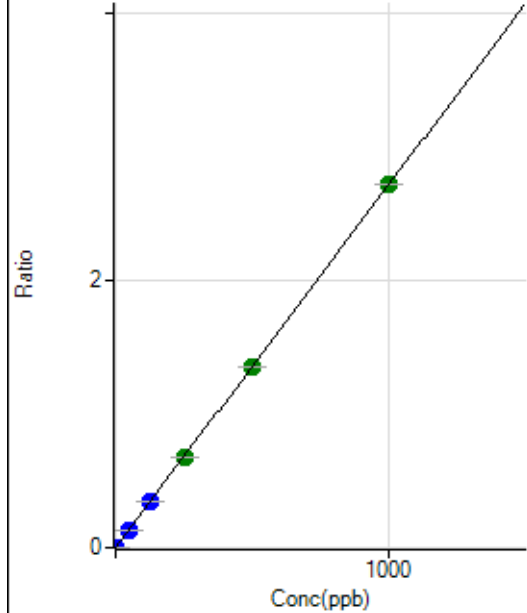
$$DL = 0.00658$$

$$BEC = 0.1339$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 144.45      | 0.0000 | P        | 12.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.920      | 33592.87    | 0.0025 | P        | 3.0  |
| 4 | <input type="checkbox"/> | 50.000   | 50.136     | 1796830.33  | 0.1359 | P        | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 127.575    | 4306258.91  | 0.3458 | P        | 1.1  |
| 6 | <input type="checkbox"/> | 250.000  | 250.165    | 7752840.71  | 0.6781 | A        | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 498.326    | 14902414.92 | 1.3507 | A        | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.467   | 33571566.72 | 2.7117 | A        | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 152351.27   | 0.0124 | P        | 0.2  |

$$y = 0.0027 * x + 1.0647E-005$$

$$R = 1.0000$$

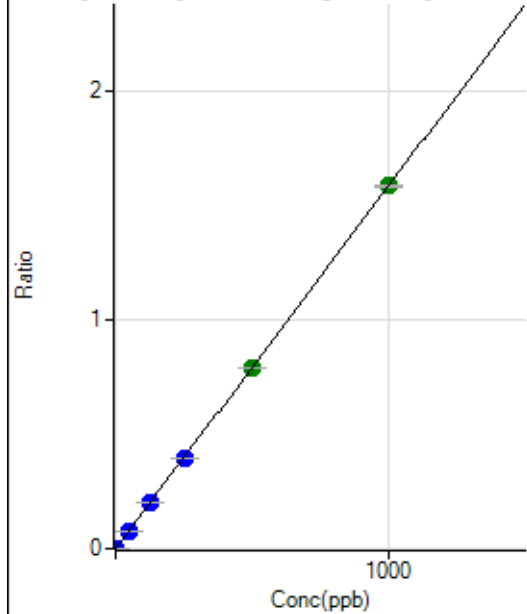
$$DL = 0.001409$$

$$BEC = 0.003928$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1033.42     | 0.0001 | P        | 9.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.909      | 20365.24    | 0.0015 | P        | 1.3 |
| 4 | <input type="checkbox"/> | 50.000   | 49.477     | 1038373.39  | 0.0785 | P        | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 126.235    | 2494020.58  | 0.2003 | P        | 0.7 |
| 6 | <input type="checkbox"/> | 250.000  | 250.052    | 4534929.66  | 0.3966 | P        | 0.3 |
| 7 | <input type="checkbox"/> | 500.000  | 499.316    | 8737203.15  | 0.7919 | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.201   | 19637524.40 | 1.5862 | A        | 0.6 |
| 9 | <input type="checkbox"/> |          |            | 10748.90    | 0.0009 | P        | 2.0 |

$$y = 0.0016 * x + 7.6171E-005$$

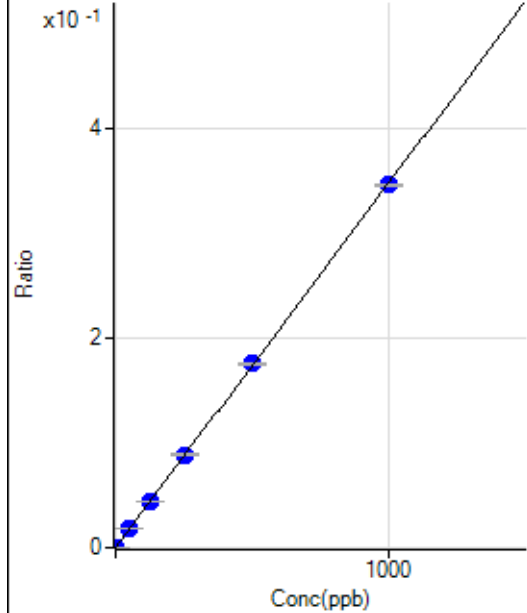
$$R = 1.0000$$

$$DL = 0.01385$$

$$BEC = 0.04803$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 183.34     | 0.0000 | P    | 24.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.969      | 4706.53    | 0.0004 | P    | 2.4  |
| 4 | <input type="checkbox"/> | 50.000   | 50.384     | 232088.49  | 0.0176 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 127.995    | 555108.76  | 0.0446 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 255.410    | 1016804.09 | 0.0889 | P    | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 505.026    | 1939970.98 | 0.1758 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.741    | 4291723.31 | 0.3467 | P    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 2264.16    | 0.0002 | P    | 11.0 |

$$y = 3.4814\text{E-}004 * x + 1.3514\text{E-}005$$

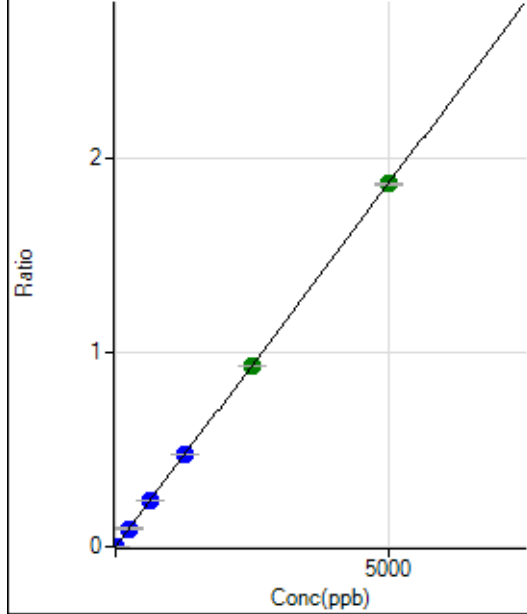
$$R = 1.0000$$

$$DL = 0.02802$$

$$BEC = 0.03882$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 341.68      | 0.0000 | P    | 19.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.646      | 23670.31    | 0.0018 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 250.000  | 251.051    | 1242344.23  | 0.0940 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 625.000  | 640.903    | 2986774.59  | 0.2398 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1271.571   | 5440341.23  | 0.4758 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2492.597   | 10290762.64 | 0.9327 | A    | 0.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4996.269   | 23145242.35 | 1.8696 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 27702.75    | 0.0023 | P    | 4.4  |

$$y = 3.7419\text{E-}004 * x + 2.5184\text{E-}005$$

$$R = 1.0000$$

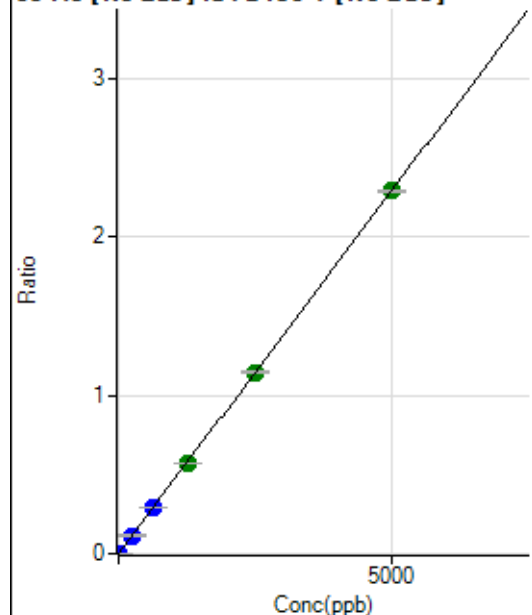
$$DL = 0.04022$$

$$BEC = 0.0673$$

Weight: &lt;None&gt;

Min Conc: 0

95 Mo [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      | 27.78       | 0.0000 | P    | 45.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.918      | 30274.66    | 0.0023 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 250.000  | 250.924    | 1520572.04  | 0.1150 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 625.000  | 636.970    | 3635687.49  | 0.2919 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1246.417   | 6531696.68  | 0.5713 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 2500.000 | 2497.815   | 12630716.69 | 1.1448 | A    | 0.6  |
| 8 | <input type="checkbox"/> | 5000.000 | 5000.446   | 28372979.80 | 2.2918 | A    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 43154.82    | 0.0035 | P    | 1.3  |

$$y = 4.5832E-004 * x + 2.0472E-006$$

$$R = 1.0000$$

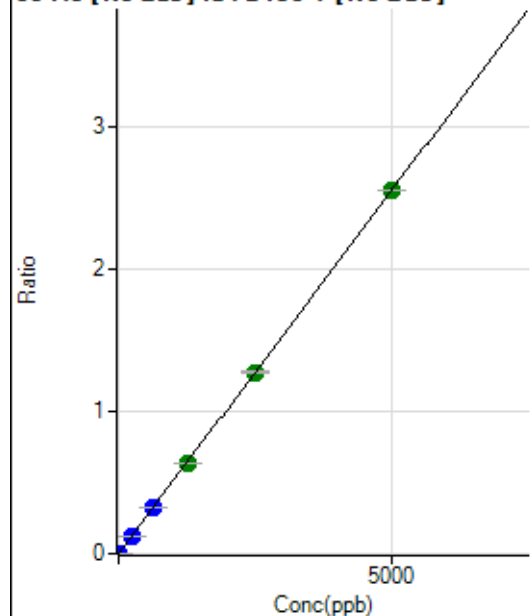
$$DL = 0.006128$$

$$BEC = 0.004467$$

Weight: &lt;None&gt;

Min Conc: 0

96 Mo [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      | 152.79      | 0.0000 | P    | 13.8 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.849      | 33334.49    | 0.0025 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 250.000  | 249.773    | 1684087.84  | 0.1274 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 633.485    | 4022937.24  | 0.3230 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1248.299   | 7278076.90  | 0.6365 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2503.140   | 14082552.92 | 1.2764 | A    | 0.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 4997.806   | 31550190.29 | 2.5485 | A    | 0.0  |
| 9 | <input type="checkbox"/> |          |            | 54605.38    | 0.0044 | P    | 0.9  |

$$y = 5.0992E-004 * x + 1.1263E-005$$

$$R = 1.0000$$

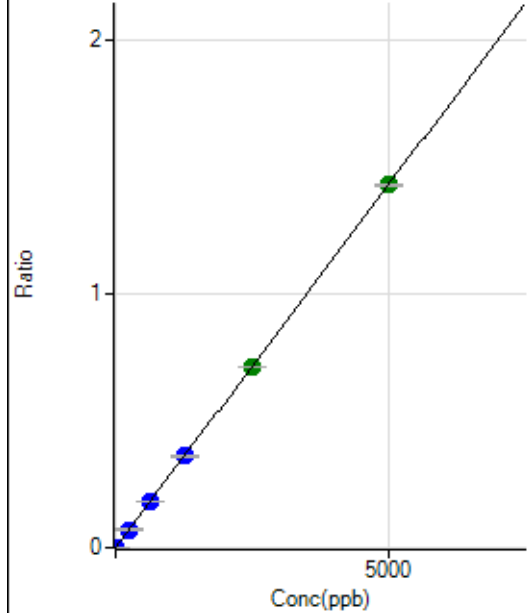
$$DL = 0.009132$$

$$BEC = 0.02209$$

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      | 38.89       | 0.0000 | P    | 53.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.751      | 18301.24    | 0.0014 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 250.000  | 251.157    | 951290.08   | 0.0720 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 625.000  | 636.425    | 2270429.37  | 0.1823 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1261.176   | 4130752.65  | 0.3613 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 2500.000 | 2494.557   | 7884211.72  | 0.7146 | A    | 0.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4998.442   | 17726537.20 | 1.4319 | A    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 25679.52    | 0.0021 | P    | 2.7  |

$$y = 2.8646\text{E-}004 * x + 2.8664\text{E-}006$$

$$R = 1.0000$$

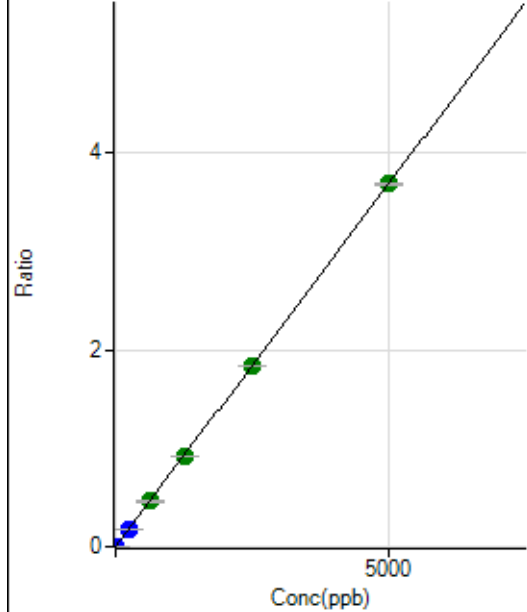
$$DL = 0.01619$$

$$BEC = 0.01001$$

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      | 58.34       | 0.0000 | P    | 0.1 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 4.874      | 48288.47    | 0.0036 | P    | 1.3 |
| 4 | <input type="checkbox"/> | 250.000  | 250.637    | 2443327.12  | 0.1848 | P    | 0.8 |
| 5 | <input type="checkbox"/> | 625.000  | 623.599    | 5726273.31  | 0.4598 | A    | 0.3 |
| 6 | <input type="checkbox"/> | 1250.000 | 1250.475   | 10541812.04 | 0.9220 | A    | 0.7 |
| 7 | <input type="checkbox"/> | 2500.000 | 2495.464   | 20299951.84 | 1.8399 | A    | 0.7 |
| 8 | <input type="checkbox"/> | 5000.000 | 5002.293   | 45660197.20 | 3.6882 | A    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 65783.08    | 0.0054 | P    | 1.9 |

$$y = 7.3731\text{E-}004 * x + 4.3003\text{E-}006$$

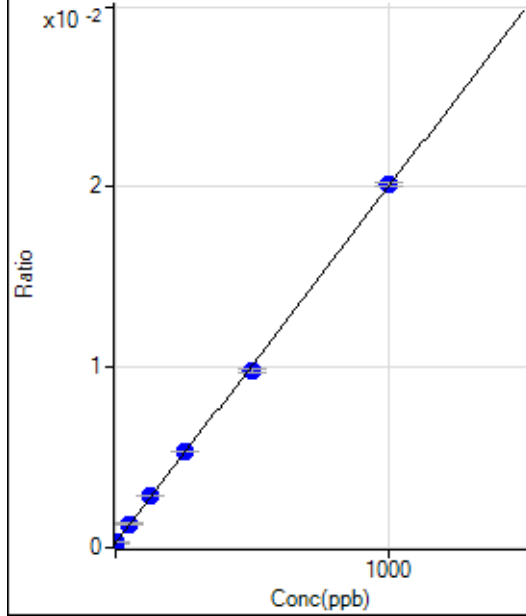
$$R = 1.0000$$

$$DL = 1.801\text{E-}05$$

$$BEC = 0.005832$$

Weight: &lt;None&gt;

Min Conc: 0

**106 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      | 4398.10   | 0.0002 | P   | 4.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.490      | 4837.16   | 0.0003 | P   | 5.9 |
| 4 | <input type="checkbox"/> | 50.000   | 54.733     | 23322.83  | 0.0013 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 125.000  | 134.753    | 49174.98  | 0.0029 | P   | 1.4 |
| 6 | <input type="checkbox"/> | 250.000  | 257.298    | 86602.71  | 0.0053 | P   | 1.4 |
| 7 | <input type="checkbox"/> | 500.000  | 482.852    | 157088.57 | 0.0098 | P   | 1.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.293   | 352805.69 | 0.0201 | P   | 1.1 |
| 9 | <input type="checkbox"/> |          |            | 4189.70   | 0.0002 | P   | 8.9 |

$$y = 1.9756E-005 * x + 2.4675E-004$$

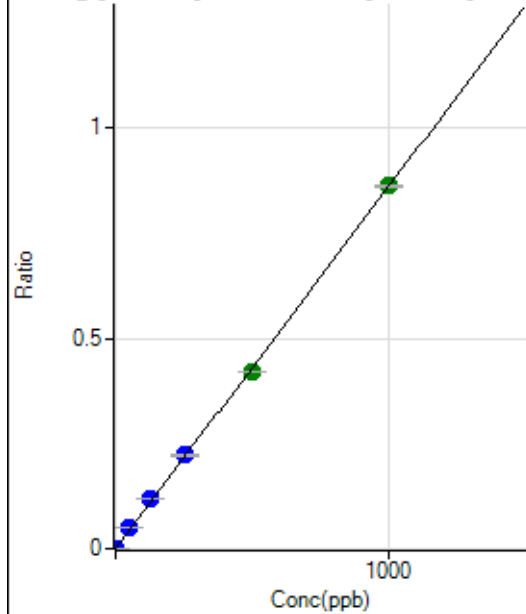
$$R = 0.9997$$

$$DL = 1.507$$

$$BEC = 12.49$$

Weight: &lt;None&gt;

Min Conc: 0

**107 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      | 94.45       | 0.0000 | P   | 5.0  |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.085      | 16449.02    | 0.0009 | P   | 3.4  |
| 4 | <input type="checkbox"/> | 50.000   | 56.188     | 849214.98   | 0.0484 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 138.336    | 2012493.21  | 0.1190 | P   | 0.1  |
| 6 | <input type="checkbox"/> | 250.000  | 258.712    | 3617400.86  | 0.2226 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 487.276    | 6730991.73  | 0.4193 | A   | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.207   | 15131998.43 | 0.8624 | A   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 1591.82     | 0.0001 | P   | 11.2 |

$$y = 8.6052E-004 * x + 5.2988E-006$$

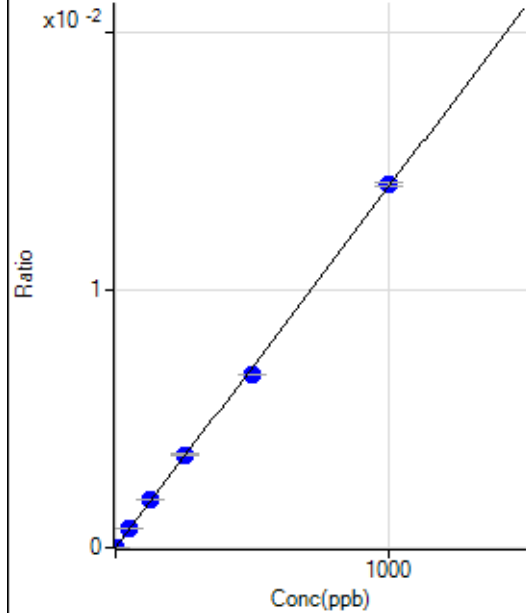
$$R = 0.9998$$

$$DL = 0.0009146$$

$$BEC = 0.006158$$

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      | 11.11     | 0.0000 | P   | 43.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.031      | 263.90    | 0.0000 | P   | 12.8 |
| 4 | <input type="checkbox"/> | 50.000   | 53.525     | 13179.98  | 0.0008 | P   | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 134.681    | 31908.44  | 0.0019 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 258.055    | 58745.07  | 0.0036 | P   | 2.6  |
| 7 | <input type="checkbox"/> | 500.000  | 480.405    | 108046.83 | 0.0067 | P   | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.397   | 247395.15 | 0.0141 | P   | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 50.00     | 0.0000 | P   | 8.4  |

$$y = 1.4010\text{E-}005 * x + 6.2342\text{E-}007$$

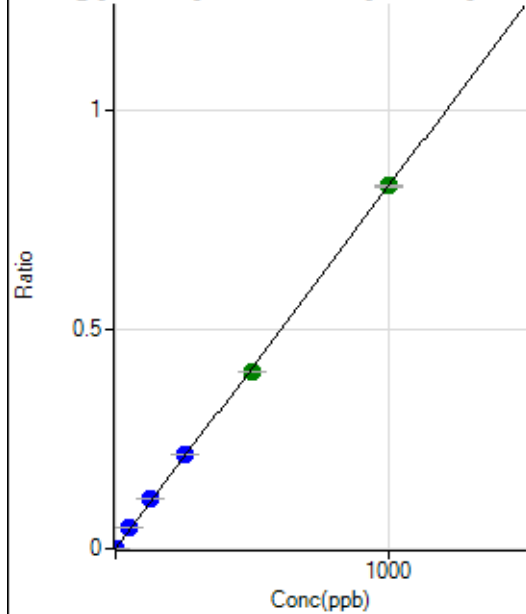
$$R = 0.9996$$

$$DL = 0.05793$$

$$BEC = 0.0445$$

Weight: &lt;None&gt;

Min Conc: 0

**109 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      | 33.34       | 0.0000 | P   | 43.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.086      | 15750.96    | 0.0009 | P   | 2.1  |
| 4 | <input type="checkbox"/> | 50.000   | 56.364     | 818128.35   | 0.0466 | P   | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 138.921    | 1940945.70  | 0.1148 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 260.044    | 3492120.09  | 0.2149 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 489.208    | 6490299.97  | 0.4043 | A   | 0.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.826   | 14513417.34 | 0.8272 | A   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1461.26     | 0.0001 | P   | 3.1  |

$$y = 8.2647\text{E-}004 * x + 1.8701\text{E-}006$$

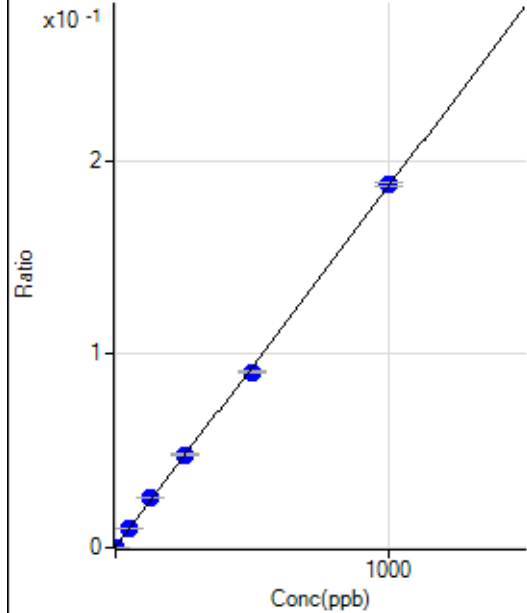
$$R = 0.9998$$

$$DL = 0.002937$$

$$BEC = 0.002263$$

Weight: &lt;None&gt;

Min Conc: 0

**111 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      | 3070.89    | 0.0002 | P   | 4.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.023      | 6360.03    | 0.0004 | P   | 5.7 |
| 4 | <input type="checkbox"/> | 50.000   | 54.536     | 181792.35  | 0.0104 | P   | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 135.850    | 431550.25  | 0.0255 | P   | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 256.971    | 782145.90  | 0.0481 | P   | 0.8 |
| 7 | <input type="checkbox"/> | 500.000  | 484.953    | 1455740.49 | 0.0907 | P   | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 1004.198   | 3291746.67 | 0.1876 | P   | 1.2 |
| 9 | <input type="checkbox"/> |          |            | 3428.37    | 0.0002 | P   | 8.4 |

$$y = 1.8665E-004 * x + 1.7229E-004$$

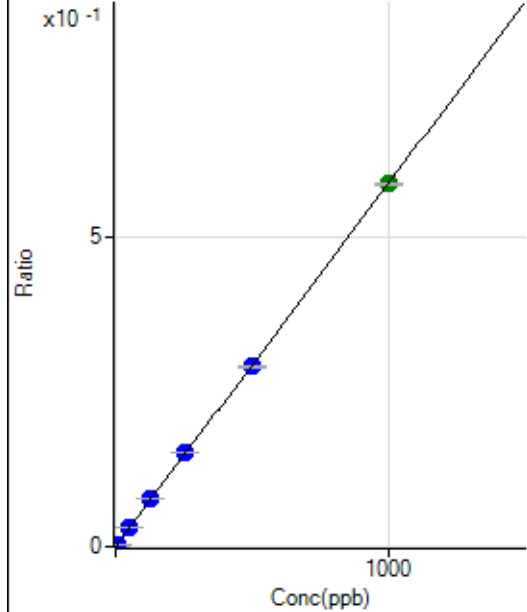
$$R = 0.9997$$

$$DL = 0.1131$$

$$BEC = 0.9231$$

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      | 641.71      | 0.0000 | P   | 12.3 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.127      | 53335.53    | 0.0030 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 50.000   | 53.483     | 551881.10   | 0.0314 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 134.081    | 1330929.64  | 0.0787 | P   | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 258.654    | 2467141.79  | 0.1518 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 496.141    | 4674760.13  | 0.2912 | P   | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.456    | 10282566.55 | 0.5860 | A   | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 13470.81    | 0.0008 | P   | 0.4  |

$$y = 5.8690E-004 * x + 3.6001E-005$$

$$R = 0.9999$$

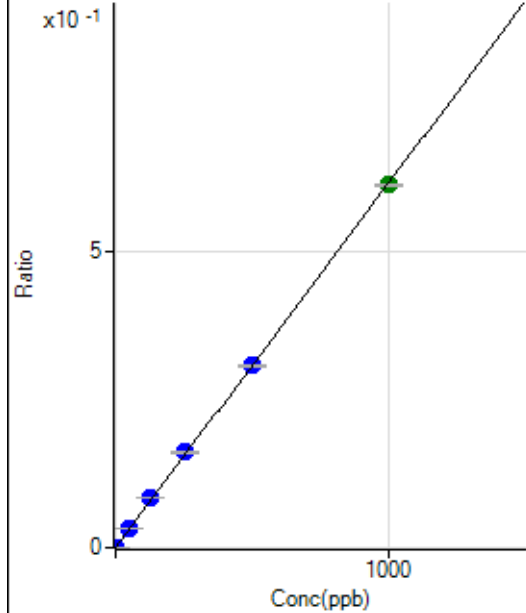
$$DL = 0.02264$$

$$BEC = 0.06134$$

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      | 16.67       | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 0.200    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.951      | 21099.95    | 0.0012 | P   | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 54.112     | 586294.29   | 0.0334 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 135.503    | 1413256.69  | 0.0836 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 261.625    | 2622687.17  | 0.1614 | P   | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 499.856    | 4950278.58  | 0.3084 | P   | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.647    | 10777894.08 | 0.6143 | A   | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 14282.84    | 0.0008 | P   | 1.6  |

$$y = 6.1695\text{E-}004 * x + 9.3584\text{E-}007$$

$$R = 0.9999$$

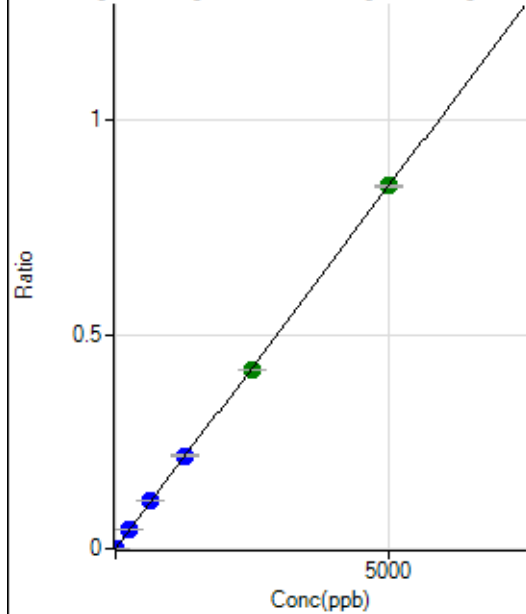
$$DL = 0.003941$$

$$BEC = 0.001517$$

Weight: &lt;None&gt;

Min Conc: 0

135 Ba [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      | 44.45       | 0.0000 | P   | 28.5 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.834      | 29187.06    | 0.0017 | P   | 0.7  |
| 4 | <input type="checkbox"/> | 250.000  | 260.991    | 775563.22   | 0.0442 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 656.948    | 1879158.77  | 0.1112 | P   | 0.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1281.526   | 3523373.82  | 0.2168 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 2500.000 | 2467.367   | 6701553.71  | 0.4175 | A   | 0.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 5003.892   | 14855519.43 | 0.8467 | A   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 2853.20     | 0.0002 | P   | 2.0  |

$$y = 1.6920\text{E-}004 * x + 2.4931\text{E-}006$$

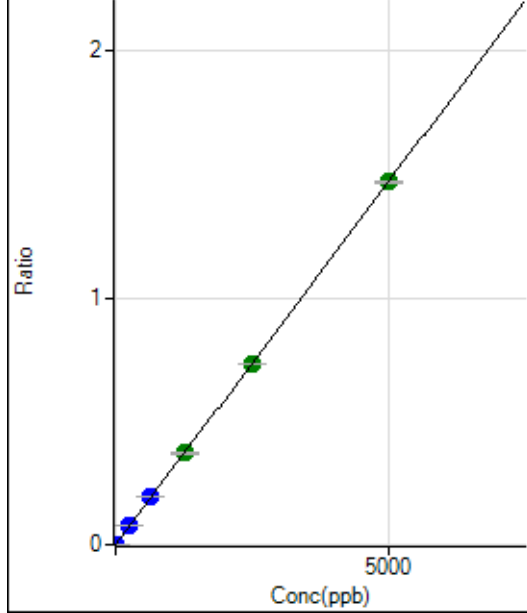
$$R = 0.9999$$

$$DL = 0.0126$$

$$BEC = 0.01473$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 41.67       | 0.0000 | P        | 34.7 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.998      | 51513.12    | 0.0029 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 250.000  | 262.177    | 1353368.45  | 0.0771 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 625.000  | 658.454    | 3271855.15  | 0.1935 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1258.708   | 6011608.77  | 0.3700 | A        | 1.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2487.948   | 11738742.45 | 0.7313 | A        | 0.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4999.059   | 25781492.94 | 1.4694 | A        | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 4917.72     | 0.0003 | P        | 2.9  |

$$y = 2.9393\text{E-}004 * x + 2.3384\text{E-}006$$

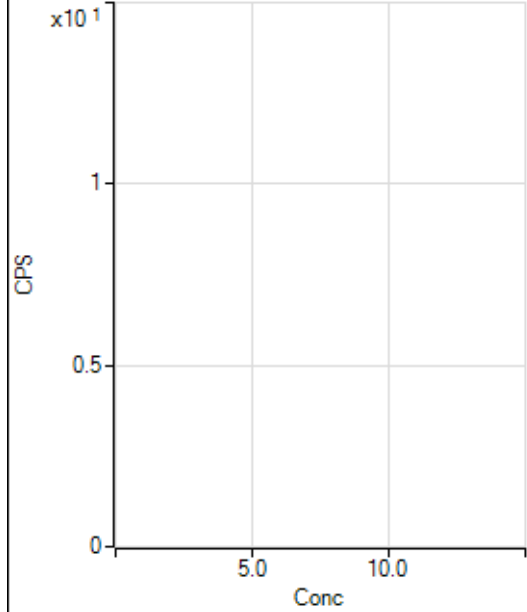
$$R = 1.0000$$

$$DL = 0.008293$$

$$BEC = 0.007956$$

Weight: &lt;None&gt;

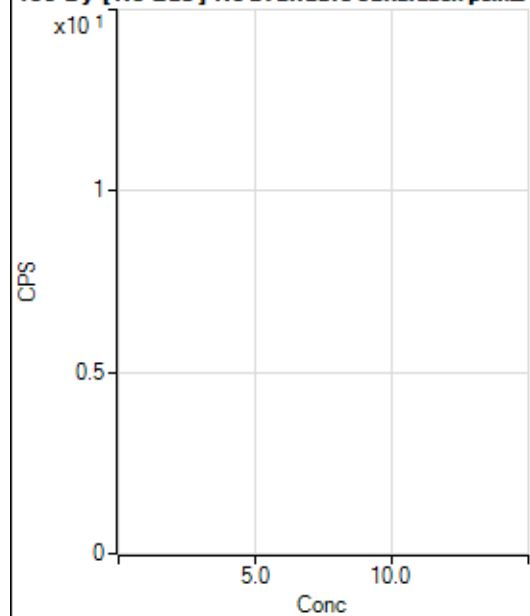
Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 68.89  |       | P        | 34.0 |
| 5 | <input type="checkbox"/> |       |            | 126.67 |       | P        | 5.3  |
| 6 | <input type="checkbox"/> |       |            | 260.01 |       | P        | 24.7 |
| 7 | <input type="checkbox"/> |       |            | 460.02 |       | P        | 9.1  |
| 8 | <input type="checkbox"/> |       |            | 962.29 |       | P        | 7.9  |
| 9 | <input type="checkbox"/> |       |            | 257.79 |       | P        | 15.8 |

**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"/> |       |            | 1.11   |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 14.44  |       | P        | 66.6 |
| 6 | <input type="checkbox"/> |       |            | 18.89  |       | P        | 27.0 |
| 7 | <input type="checkbox"/> |       |            | 56.67  |       | P        | 15.6 |
| 8 | <input type="checkbox"/> |       |            | 93.34  |       | P        | 6.2  |
| 9 | <input type="checkbox"/> |       |            | 105.56 |       | P        | 14.6 |

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

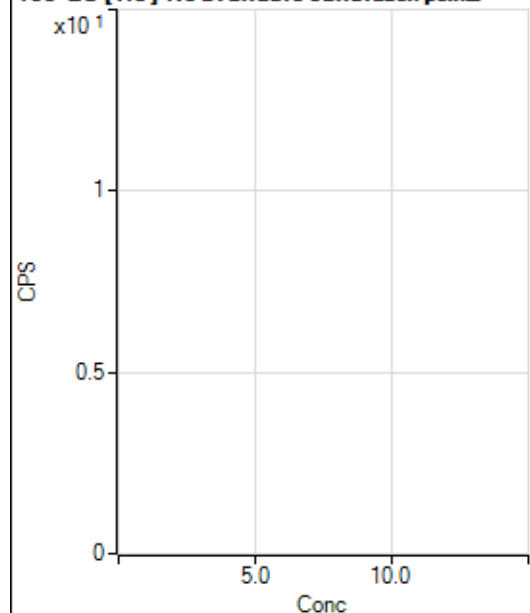
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 0.0  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 21.6 |
| 4 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 53.9 |
| 5 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 0.0  |
| 6 | <input type="checkbox"/> |       |            | 58.34  |       | P        | 37.8 |
| 7 | <input type="checkbox"/> |       |            | 108.34 |       | P        | 13.3 |
| 8 | <input type="checkbox"/> |       |            | 286.13 |       | P        | 11.8 |
| 9 | <input type="checkbox"/> |       |            | 136.12 |       | P        | 24.7 |

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

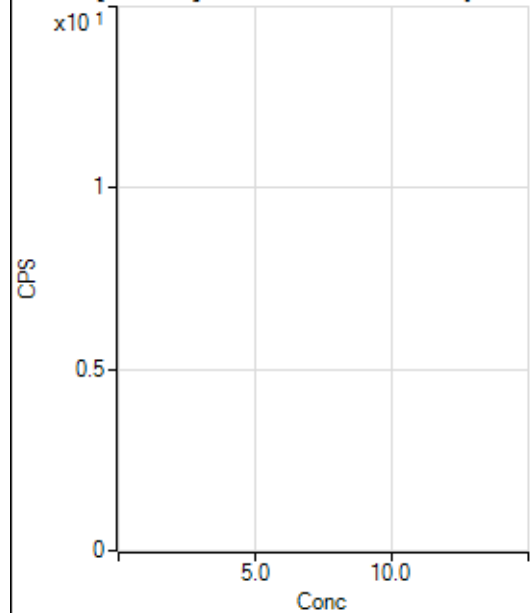
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 7.78   |       | P        | 49.5 |
| 4 | <input type="checkbox"/> |       |            | 13.34  |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 30.00  |       | P        | 22.2 |
| 6 | <input type="checkbox"/> |       |            | 54.44  |       | P        | 3.5  |
| 7 | <input type="checkbox"/> |       |            | 106.67 |       | P        | 36.0 |
| 8 | <input type="checkbox"/> |       |            | 234.45 |       | P        | 10.0 |
| 9 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 5.5  |

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

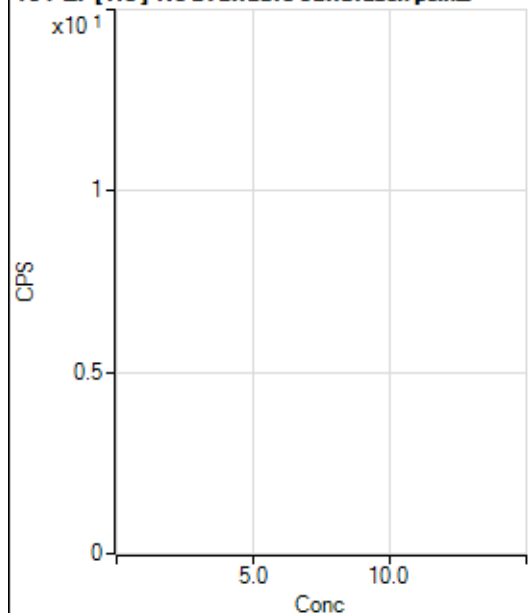
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 38.89  |       | P        | 53.9 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 40.6 |
| 4 | <input type="checkbox"/> |       |            | 69.45  |       | P        | 42.1 |
| 5 | <input type="checkbox"/> |       |            | 69.45  |       | P        | 54.1 |
| 6 | <input type="checkbox"/> |       |            | 77.78  |       | P        | 16.4 |
| 7 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 65.7 |
| 8 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 11.1 |
| 9 | <input type="checkbox"/> |       |            | 113.89 |       | P        | 15.2 |

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

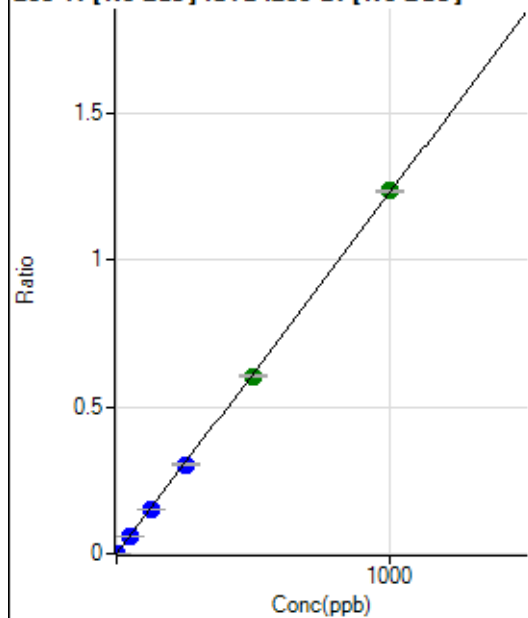
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 230.01 |       | P        | 6.3  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 240.01 |       | P        | 3.7  |
| 4 | <input type="checkbox"/> |       |            | 220.01 |       | P        | 4.0  |
| 5 | <input type="checkbox"/> |       |            | 234.45 |       | P        | 12.1 |
| 6 | <input type="checkbox"/> |       |            | 214.45 |       | P        | 3.2  |
| 7 | <input type="checkbox"/> |       |            | 204.45 |       | P        | 14.1 |
| 8 | <input type="checkbox"/> |       |            | 235.56 |       | P        | 17.1 |
| 9 | <input type="checkbox"/> |       |            | 252.23 |       | P        | 9.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 52.78  |       | P        | 55.5 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 25.0 |
| 4 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 7.5  |
| 5 | <input type="checkbox"/> |       |            | 52.78  |       | P        | 9.1  |
| 6 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 28.9 |
| 7 | <input type="checkbox"/> |       |            | 72.23  |       | P        | 46.6 |
| 8 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 20.8 |
| 9 | <input type="checkbox"/> |       |            | 100.00 |       | P        | 22.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 33.4 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 25.56 |       | P        | 49.4 |
| 4 | <input type="checkbox"/> |       |            | 35.56 |       | P        | 14.3 |
| 5 | <input type="checkbox"/> |       |            | 25.56 |       | P        | 19.9 |
| 6 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 58.8 |
| 7 | <input type="checkbox"/> |       |            | 14.45 |       | P        | 26.7 |
| 8 | <input type="checkbox"/> |       |            | 34.45 |       | P        | 59.1 |
| 9 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 11.5 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.00       | 0.0000 | P        | 58.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.874      | 12631.52    | 0.0011 | P        | 0.8  |
| 4 | <input type="checkbox"/> | 50.000   | 47.892     | 692004.42   | 0.0588 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 123.454    | 1714125.49  | 0.1515 | P        | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 247.200    | 3308759.82  | 0.3033 | P        | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 491.633    | 6402598.54  | 0.6032 | A        | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.182   | 13520621.65 | 1.2334 | A        | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 3722.90     | 0.0004 | P        | 4.0  |

$$y = 0.0012 * x + 6.2076E-006$$

$$R = 0.9999$$

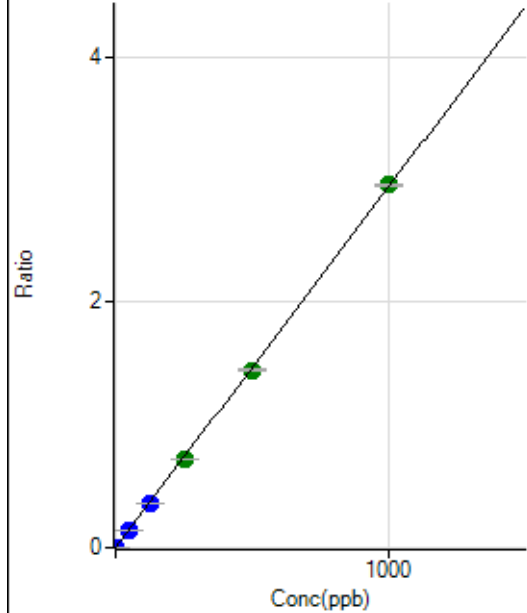
$$DL = 0.008798$$

$$BEC = 0.005059$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 191.68      | 0.0000 | P        | 8.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.880      | 30494.25    | 0.0026 | P        | 2.0 |
| 4 | <input type="checkbox"/> | 50.000   | 47.960     | 1661010.37  | 0.1411 | P        | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 122.747    | 4085130.39  | 0.3610 | P        | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 243.592    | 7815053.99  | 0.7164 | A        | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 492.220    | 15364361.63 | 1.4476 | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.876   | 32429666.00 | 2.9582 | A        | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 8589.27     | 0.0009 | P        | 1.5 |

$$y = 0.0029 * x + 1.5848E-005$$

$$R = 0.9999$$

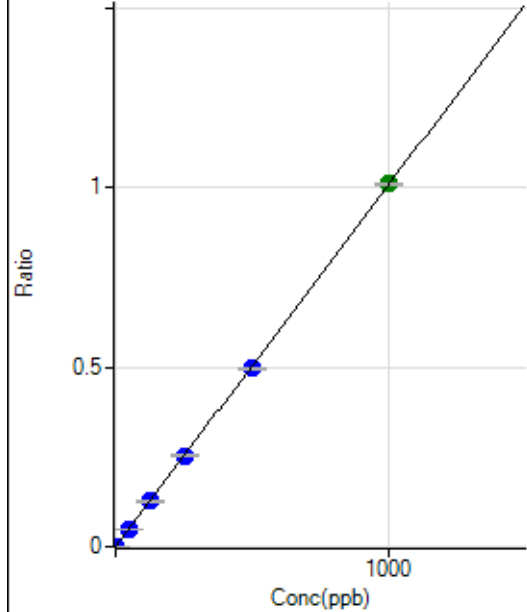
$$DL = 0.001344$$

$$BEC = 0.005389$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 220.38      | 0.0000 | P        | 15.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.879      | 10585.93    | 0.0009 | P        | 2.6  |
| 4 | <input type="checkbox"/> | 50.000   | 48.818     | 579421.22   | 0.0492 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 125.247    | 1428279.62  | 0.1262 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 251.814    | 2768079.75  | 0.2538 | P        | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 492.535    | 5267752.84  | 0.4963 | P        | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.307   | 11082799.32 | 1.0110 | A        | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 14762.28    | 0.0016 | P        | 1.1  |

$$y = 0.0010 * x + 1.8233E-005$$

$$R = 1.0000$$

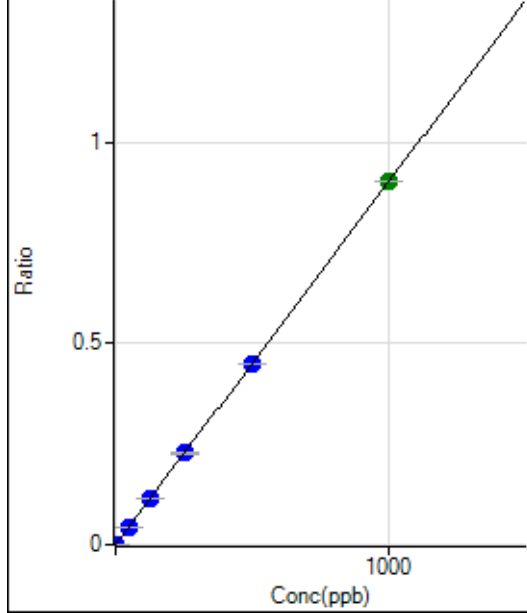
$$DL = 0.008224$$

$$BEC = 0.01809$$

Weight: &lt;None&gt;

Min Conc: 0

207 [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      | 194.45     | 0.0000 | P   | 22.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.859      | 9257.16    | 0.0008 | P   | 2.6  |
| 4 | <input type="checkbox"/> | 50.000   | 48.913     | 519397.97  | 0.0441 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 125.740    | 1282863.30 | 0.1134 | P   | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 252.475    | 2483073.78 | 0.2276 | P   | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 497.759    | 4762929.22 | 0.4487 | P   | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.464   | 9887708.09 | 0.9019 | A   | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 12548.83   | 0.0013 | P   | 2.3  |

$$y = 9.0150E-004 * x + 1.6076E-005$$

$$R = 1.0000$$

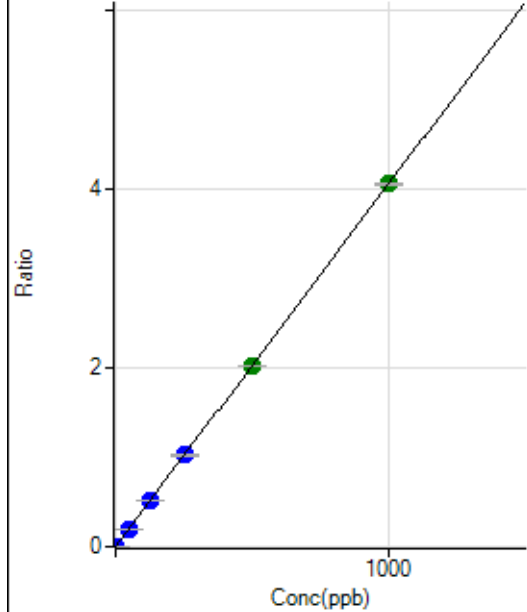
$$DL = 0.01183$$

$$BEC = 0.01783$$

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      | 981.52      | 0.0001 | P   | 3.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.881      | 42776.37    | 0.0037 | P   | 1.2 |
| 4 | <input type="checkbox"/> | 50.000   | 48.943     | 2336951.29  | 0.1985 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 125.638    | 5763633.12  | 0.5093 | P   | 1.3 |
| 6 | <input type="checkbox"/> | 250.000  | 252.025    | 11144867.56 | 1.0216 | P   | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 498.054    | 21428474.21 | 2.0189 | A   | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.440   | 44456809.33 | 4.0553 | A   | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 57399.39    | 0.0062 | P   | 0.5 |

$$y = 0.0041 * x + 8.1163E-005$$

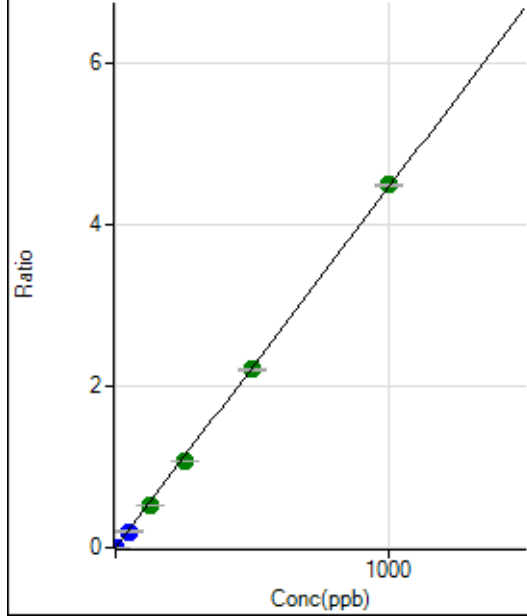
$$R = 1.0000$$

$$DL = 0.002159$$

$$BEC = 0.02002$$

Weight: &lt;None&gt;

Min Conc: 0

**232 Th [No Gas] ISTD :209 Bi [No Gas]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 77.78       | 0.0000 | P        | 7.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.815      | 42619.86    | 0.0036 | P        | 0.5 |
| 4 | <input type="checkbox"/> | 50.000   | 45.279     | 2377406.07  | 0.2019 | P        | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 116.229    | 5864489.60  | 0.5183 | A        | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 238.852    | 11618080.35 | 1.0650 | A        | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 494.312    | 23394025.76 | 2.2041 | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.963   | 49220843.23 | 4.4899 | A        | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 12465.60    | 0.0013 | P        | 7.9 |

$$y = 0.0045 * x + 6.4335E-006$$

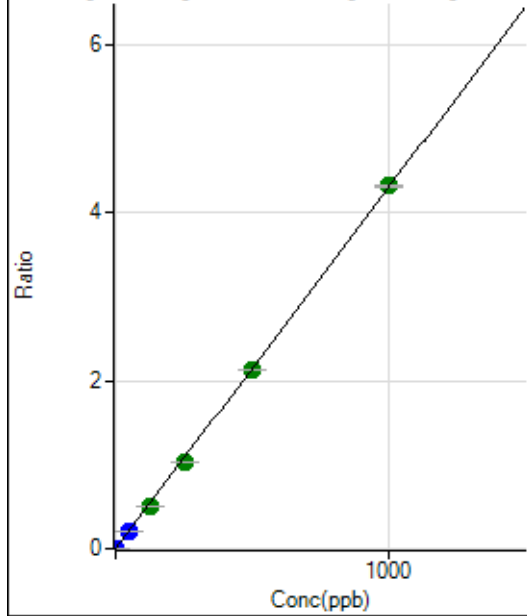
$$R = 0.9999$$

$$DL = 0.0003254$$

$$BEC = 0.001443$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 44.45       | 0.0000 | P        | 57.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.825      | 41573.11    | 0.0036 | P        | 1.2  |
| 4 | <input type="checkbox"/> | 50.000   | 45.993     | 2327917.43  | 0.1977 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 117.103    | 5696076.13  | 0.5034 | A        | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 240.567    | 11280417.35 | 1.0341 | A        | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 497.030    | 22676329.85 | 2.1365 | A        | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.031   | 47358922.24 | 4.3201 | A        | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 9145.30     | 0.0010 | P        | 4.8  |

$$y = 0.0043 * x + 3.6814E-006$$

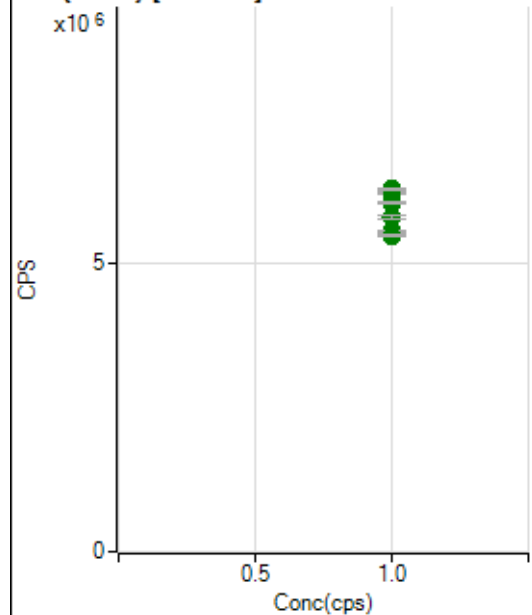
$$R = 0.9999$$

$$DL = 0.001477$$

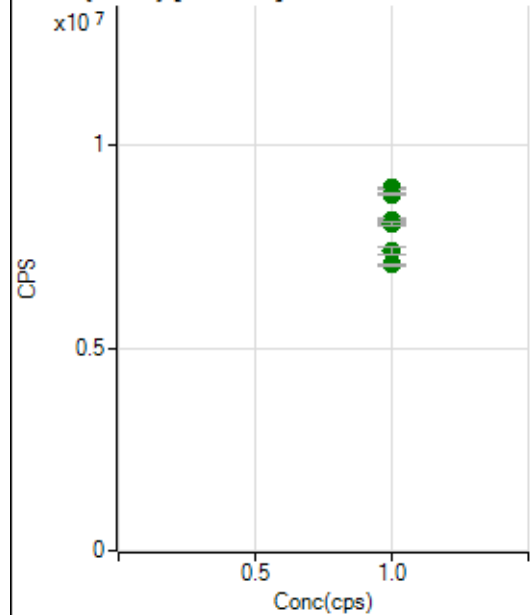
$$BEC = 0.0008565$$

Weight: &lt;None&gt;

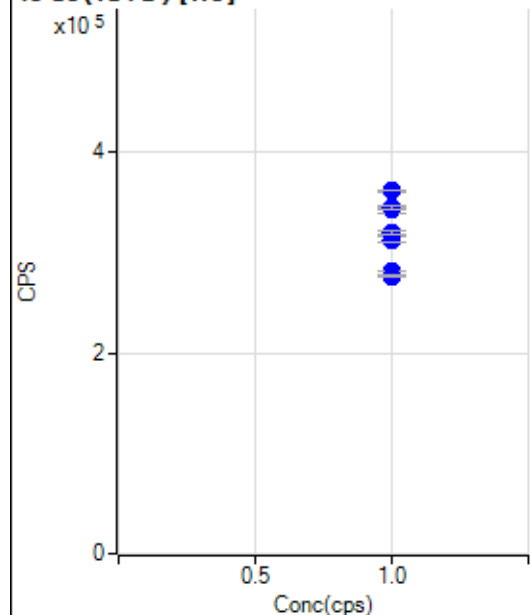
Min Conc: 0

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

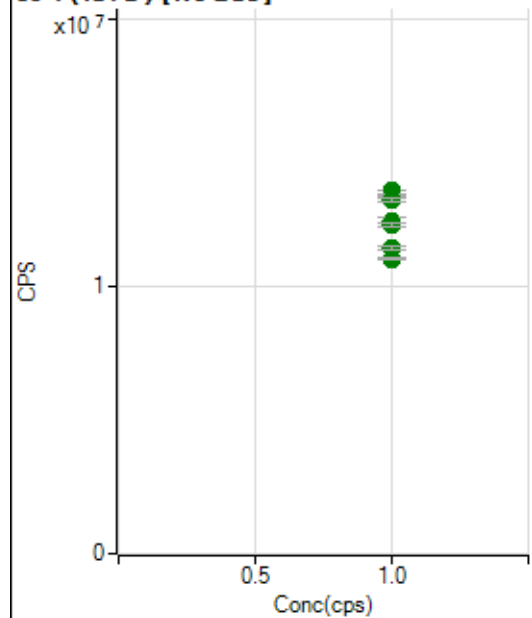
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6229815.12 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6225347.27 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6270205.60 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6034640.40 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5786913.18 |       | A        | 1.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5540167.07 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6020649.42 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5466908.11 |       | A        | 0.5 |

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

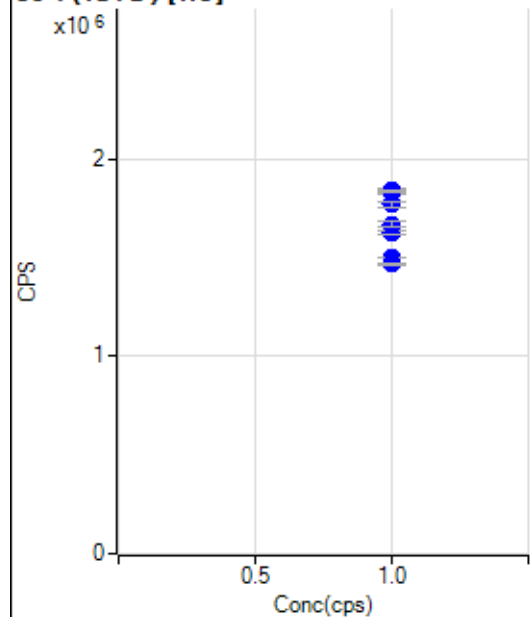
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8959427.80 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 8937908.97 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8798945.16 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8189763.38 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7414862.67 |       | A        | 2.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7065640.87 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8060377.52 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8060869.54 |       | A        | 1.2 |

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

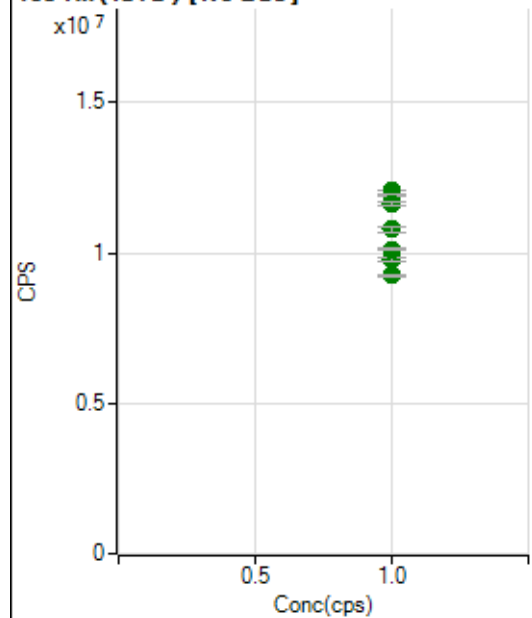
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 361382.80 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 361696.00 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 342361.20 |       | P        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 313329.97 |       | P        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 281460.72 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 276591.21 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 319487.77 |       | P        | 1.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 345017.45 |       | P        | 1.3 |

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

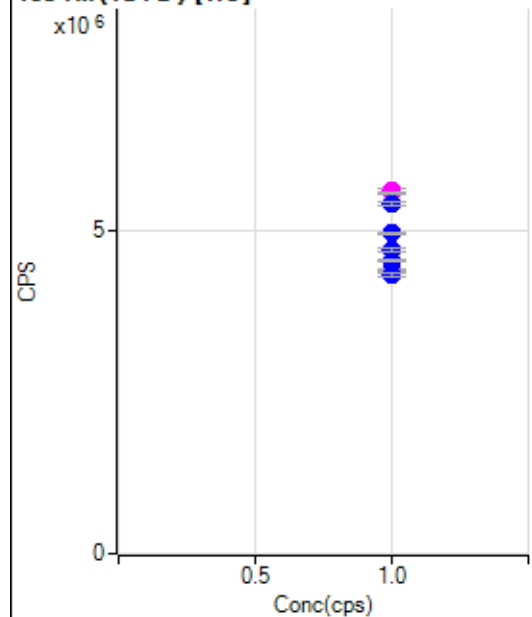
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13566527.43 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 13420163.27 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 13221928.97 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12454544.67 |       | A        | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11434223.16 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11033122.47 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 12380053.71 |       | A        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 12294842.60 |       | A        | 0.9 |

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

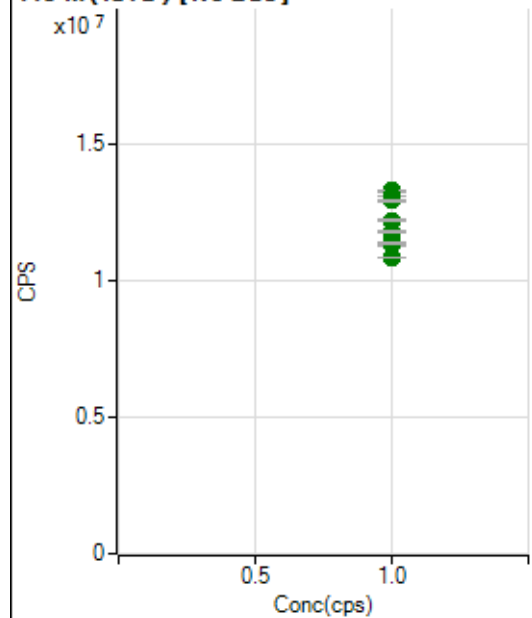
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1836963.81 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1832574.36 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1769952.73 |       | P        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1626159.40 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1500112.36 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1467081.65 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1630028.48 |       | P        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1667890.08 |       | P        | 1.8 |

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

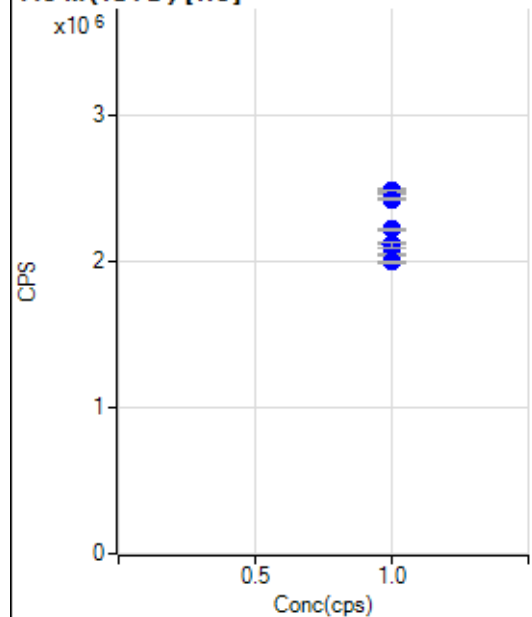
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12056169.19 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 11940152.79 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11632225.78 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10789753.02 |       | A        | 1.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9783737.63  |       | A        | 1.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9265899.69  |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10113312.99 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9242163.84  |       | A        | 0.9 |

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

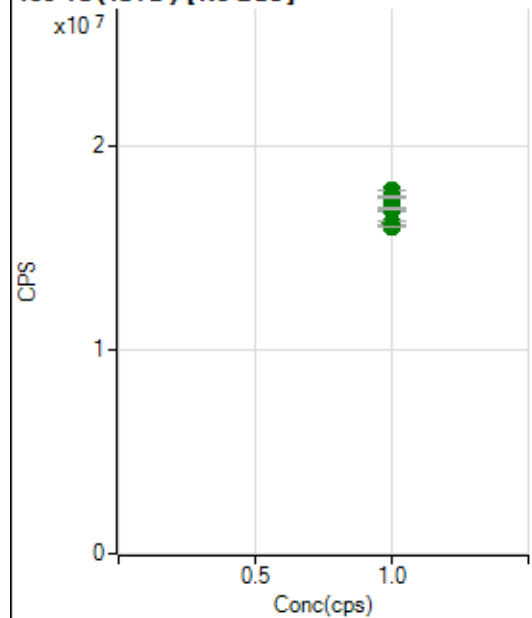
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5599352.28 |       | M        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5571457.00 |       | M        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5396688.60 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4950386.46 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4512356.04 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4374055.04 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4689281.77 |       | P        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4300985.14 |       | P        | 1.4 |

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

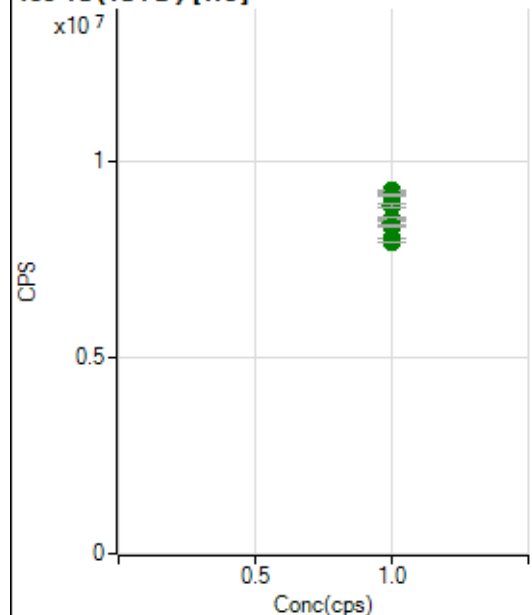
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 13283747.99 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 13096102.92 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12929129.88 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12212118.91 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 11334264.93 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10865618.96 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11771966.58 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 11394707.10 |       | A        | 0.6 |

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

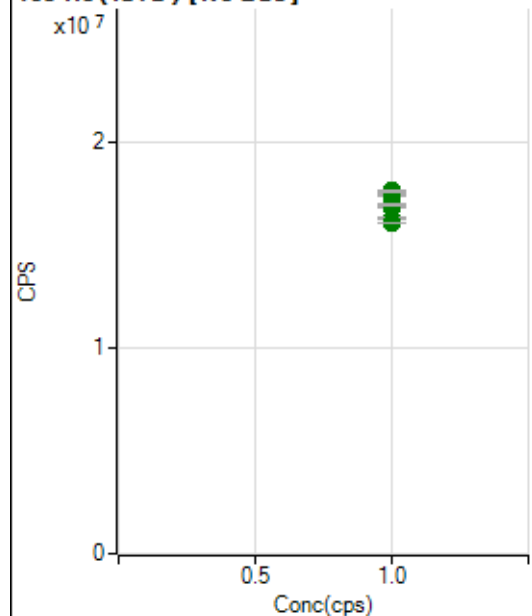
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2474896.93 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2478210.37 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2419879.07 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2214640.92 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2047606.09 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1990082.15 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2119740.49 |       | P        | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2109988.22 |       | P        | 1.9 |

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

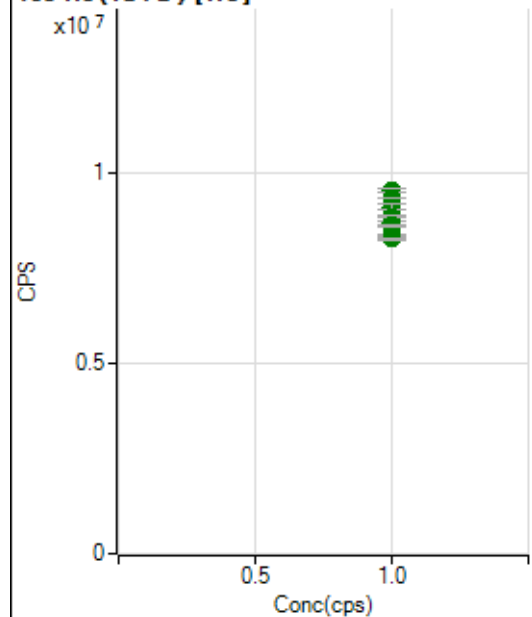
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 17823468.49 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 17514640.02 |       | A        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 17562023.35 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16905218.22 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16249762.12 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16052396.98 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 17546117.93 |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 16981029.89 |       | A        | 0.5 |

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

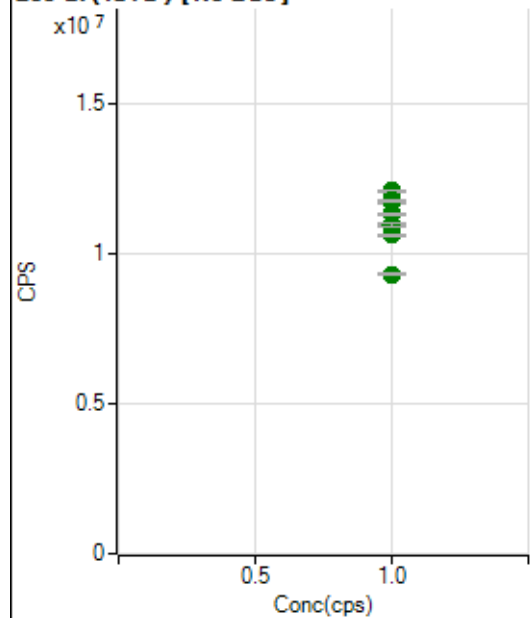
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9227860.42 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 9112574.17 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8850712.23 |       | A        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8423523.41 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8026008.84 |       | A        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7917426.27 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8530637.72 |       | A        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8328624.95 |       | A        | 0.7 |

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

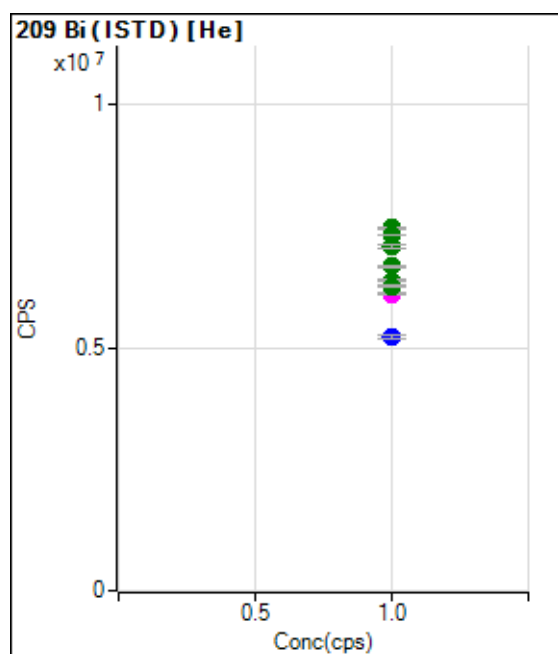
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 17614984.60 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 17383675.39 |       | A        | 0.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 17438089.97 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 16817605.41 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 16277835.26 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 16084608.17 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 17574408.55 |       | A        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 16972793.78 |       | A        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9515781.32 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 9340127.92 |       | A        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9098825.21 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8678886.12 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8350438.07 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8264077.51 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8846877.78 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8618073.35 |       | A        | 0.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12092145.10 |       | A        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 11707718.72 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 11775185.24 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 11316046.92 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 10909022.48 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10613913.94 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10962717.33 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9317813.40  |       | A        | 0.2 |



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7469364.82 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7329428.43 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7078893.71 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6683221.98 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6383535.12 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6111625.81 |       | M        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6259352.89 |       | A        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5214732.95 |       | P        | 1.6 |

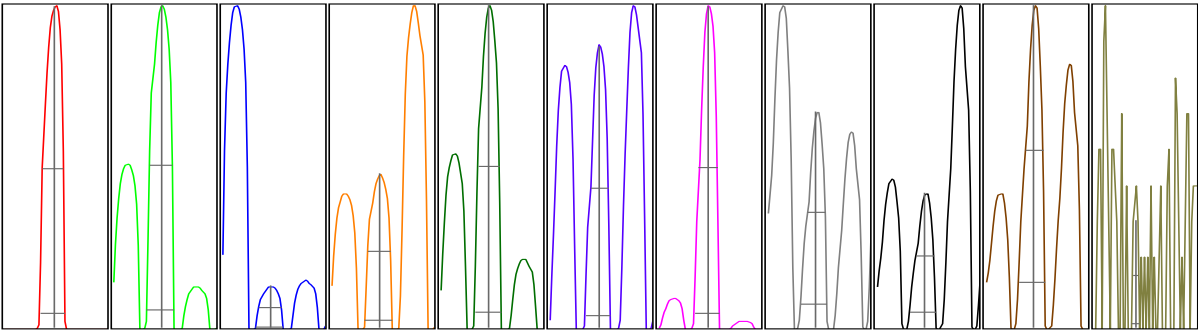
US EPA Tune Check Sample Report

Batch Folder D:\ICP-MS Data\P7121518-MS.b  
Report Comment  
Instrument Name G8403A JP14410463

| [No Gas] |        |          |            |        |
|----------|--------|----------|------------|--------|
| Mass     | Count  | RSD%     | RSD%       | RSD%   |
|          | (Mean) | (Actual) | (Required) | (Flag) |
| 9        | 15851  | 2.45     | 5.00       |        |
| 24       | 135021 | 2.13     | 5.00       |        |
| 25       | 17692  | 1.93     | 5.00       |        |
| 26       | 20185  | 2.12     | 5.00       |        |
| 59       | 95325  | 2.24     | 5.00       |        |
| 113      | 12417  | 2.24     | 5.00       |        |
| 115      | 146648 | 2.30     | 5.00       |        |
| 206      | 40822  | 1.98     | 5.00       |        |
| 207      | 38375  | 1.79     | 5.00       |        |
| 208      | 88090  | 1.84     | 5.00       |        |
| 220      | 0      | 67.42    |            |        |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 16387                | 15295                | 15914                | 15814                | 15845                |
| 24   | 138401               | 130438               | 135749               | 135309               | 135209               |
| 25   | 18070                | 17137                | 17752                | 17799                | 17699                |
| 26   | 20705                | 19524                | 20310                | 20136                | 20252                |
| 59   | 98284                | 92302                | 95767                | 95132                | 95140                |
| 113  | 12758                | 11992                | 12482                | 12486                | 12369                |
| 115  | 150925               | 141528               | 147426               | 147002               | 146360               |
| 206  | 41781                | 39572                | 41191                | 40810                | 40756                |
| 207  | 39141                | 37271                | 38424                | 38650                | 38390                |
| 208  | 90269                | 85700                | 88334                | 88158                | 87987                |
| 220  | 0                    | 0                    | 0                    | 0                    | 0                    |

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    | 27562          | 9.00             | 8.9 - 9.1          |                | 0.738                | 0.900                  |                        |
| 24   | 217763         | 23.95            | 23.9 - 24.1        |                | 0.787                | 0.900                  |                        |
| 25   | 28853          | 24.95            | 24.9 - 25.1        |                | 0.787                | 0.900                  |                        |
| 26   | 32861          | 25.95            | 25.9 - 26.1        |                | 0.786                | 0.900                  |                        |
| 59   | 164788         | 58.95            | 58.9 - 59.1        |                | 0.781                | 0.900                  |                        |
| 113  | 23866          | 113.00           | 112.9 - 113.1      |                | 0.733                | 0.900                  |                        |
| 115  | 284248         | 115.00           | 114.9 - 115.1      |                | 0.731                | 0.900                  |                        |
| 206  | 76484          | 205.95           | 205.9 - 206.1      |                | 0.757                | 0.900                  |                        |
| 207  | 69378          | 206.95           | 206.9 - 207.1      |                | 0.759                | 0.900                  |                        |
| 208  | 165226         | 207.95           | 207.9 - 208.1      |                | 0.761                | 0.900                  |                        |
| 220  | 0              | 219.75           | -                  |                | 0.195                |                        |                        |

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 | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|-------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0   | V    | Omega Lens    | 5.7   | V    | Deflect       | 14.0  | V    |
| Extract 2     | -80.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -45   | V    | Cell Exit     | -50   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | No    |        | OctP Bias     | -8.0  | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 0.0   | mL/min | OctP RF       | 180   | V    |                       |       |       |

[He]

| Mass | Count  | RSD%     | RSD%       |
|------|--------|----------|------------|
|      | (Mean) | (Actual) | (Required) |
| 59   | 22813  | 0.28     |            |
| 89   | 29008  | 0.41     |            |
| 205  | 37835  | 0.36     |            |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 22818                | 22840                | 22890                | 22800                | 22716                |
| 89   | 28894                | 29041                | 29192                | 28915                | 28996                |
| 205  | 37920                | 37655                | 37894                | 37978                | 37731                |

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 | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 6.9   | V    | Deflect       | 1.8   | V    |
| Extract 2     | -110.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -60    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

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

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:14:02 | DataFile Name :   | 003CALB_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.06   | -0.06   | 0.11    | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Arsenic    | 75-2  | 0.01    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Barium     | 135-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | 0.02    | 0.04    | -0.06   | 0.00       | N/A     | ppb   |
| Boron      | 11-1  | 0.01    | 0.02    | -0.03   | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | -0.02   | -0.02   | 0.04    | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | -0.31   | -0.27   | 0.58    | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | -0.01   | 0.02    | -0.01   | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | 0.44    | -0.31   | -0.13   | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | -0.09   | 0.18    | -0.08   | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | 0.00    | 0.00    | 0.01    | 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 | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 100        |         | %     |
| Holmium    | 165-2 |         |         |         | 100        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 100        |         | %     |
| Iron       | 56-2  | 0.01    | -0.06   | 0.05    | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | -0.02   | 0.43    | -0.41   | 0.00       | N/A     | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 207-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 208-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | -0.03   | 0.04    | -0.01   | 0.00       | N/A     | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:14:02 | DataFile Name :   | 003CALB_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 94-1  | 0.00    | 0.01    | -0.01   | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | 0.00    | 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  | 0.00    | 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  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | -29.30  | -24.89  | -20.61  | -24.94     |         | ppb   |
| Potassium  | 39-2  | 0.49    | 0.91    | -1.40   | 0.00       | N/A     | ppb   |
| Rhodium    | 103-1 |         |         |         | 100        |         | %     |
| Rhodium    | 103-2 |         |         |         | 100        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 100        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.07    | 0.05    | -0.12   | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | -0.08   | 0.20    | -0.12   | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | 0.19    | 0.00    | -0.19   | 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  | -0.15   | 0.08    | 0.08    | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | -43.37  | -120.82 | -59.10  | -74.43     |         | ppb   |
| Terbium    | 159-1 |         |         |         | 100        |         | %     |
| Terbium    | 159-2 |         |         |         | 100        |         | %     |
| Thallium   | 203-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Tin        | 118-1 | -0.01   | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | 0.00    | 0.00    | -0.01   | 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    | 89-1  |         |         |         | 100        |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:14:02 | DataFile Name :   | 003CALB_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.01   | 0.05    | -0.04   | 0.00       | N/A     | ppb   |
| Zirconium | 90-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Zirconium | 91-1 | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:22:00 | DataFile Name :   | 005CALS_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 17.57   | 17.62   | 16.75   | 17.31      | 2.83    | ppb   |
| Antimony   | 121-1 | 1.91    | 2.00    | 1.94    | 1.95       | 2.28    | ppb   |
| Arsenic    | 75-2  | 0.93    | 0.93    | 1.07    | 0.97       | 8.07    | ppb   |
| Barium     | 135-1 | 9.75    | 9.88    | 9.87    | 9.83       | 0.70    | ppb   |
| Barium     | 137-1 | 10.08   | 9.96    | 9.95    | 10.00      | 0.75    | ppb   |
| Beryllium  | 9-1   | 1.03    | 0.99    | 1.06    | 1.03       | 3.74    | ppb   |
| Bismuth    | 209-1 |         |         |         | 97         |         | %     |
| Bismuth    | 209-2 |         |         |         | 98         |         | %     |
| Boron      | 10-1  | 22.73   | 23.28   | 23.97   | 23.33      | 2.67    | ppb   |
| Boron      | 11-1  | 22.87   | 23.62   | 24.77   | 23.75      | 4.02    | ppb   |
| Cadmium    | 111-1 | 1.13    | 1.02    | 0.91    | 1.02       | 10.80   | ppb   |
| Cadmium    | 106-1 | 2.21    | 1.67    | 0.60    | 1.49       | 55.05   | ppb   |
| Cadmium    | 108-1 | 0.87    | 1.09    | 1.13    | 1.03       | 13.38   | ppb   |
| Calcium    | 43-1  | 438.85  | 455.37  | 462.87  | 452.37     | 2.72    | ppb   |
| Calcium    | 44-1  | 453.90  | 454.54  | 453.99  | 454.14     | 0.08    | ppb   |
| Chromium   | 52-2  | 1.94    | 1.89    | 1.91    | 1.91       | 1.51    | ppb   |
| Cobalt     | 59-2  | 0.98    | 0.98    | 0.97    | 0.98       | 0.41    | ppb   |
| Copper     | 63-2  | 2.09    | 2.00    | 1.99    | 2.03       | 2.80    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 99         |         | %     |
| Holmium    | 165-2 |         |         |         | 98         |         | %     |
| Indium     | 115-1 |         |         |         | 99         |         | %     |
| Indium     | 115-2 |         |         |         | 100        |         | %     |
| Iron       | 56-2  | 53.25   | 53.38   | 52.38   | 53.00      | 1.03    | ppb   |
| Iron       | 57-2  | 55.79   | 57.32   | 55.13   | 56.08      | 2.00    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.90    | 0.88    | 0.85    | 0.88       | 2.61    | ppb   |
| Lead       | 207-1 | 0.83    | 0.86    | 0.88    | 0.86       | 2.68    | ppb   |
| Lead       | 208-1 | 0.89    | 0.87    | 0.88    | 0.88       | 1.22    | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | 460.07  | 458.58  | 466.06  | 461.57     | 0.86    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:22:00 | DataFile Name :   | 005CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.97    | 0.94    | 1.02    | 0.97       | 4.08    | ppb   |
| Molybdenum | 94-1  | 4.80    | 4.59    | 4.55    | 4.65       | 2.90    | ppb   |
| Molybdenum | 95-1  | 4.86    | 5.06    | 4.83    | 4.92       | 2.51    | ppb   |
| Molybdenum | 96-1  | 4.77    | 4.96    | 4.81    | 4.85       | 2.09    | ppb   |
| Molybdenum | 97-1  | 4.77    | 4.84    | 4.64    | 4.75       | 2.07    | ppb   |
| Molybdenum | 98-1  | 4.80    | 4.91    | 4.91    | 4.87       | 1.33    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.10    | 1.10    | 1.03    | 1.08       | 3.38    | ppb   |
| Phosphorus | 31-2  | 19.70   | 24.20   | 30.91   | 24.94      | 22.63   | ppb   |
| Potassium  | 39-2  | 453.76  | 456.54  | 461.77  | 457.36     | 0.89    | ppb   |
| Rhodium    | 103-1 |         |         |         | 99         |         | %     |
| Rhodium    | 103-2 |         |         |         | 100        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 100        |         | %     |
| Selenium   | 77-2  | 4.75    | 4.43    | 4.08    | 4.42       | 7.62    | ppb   |
| Selenium   | 78-2  | 5.49    | 5.99    | 5.06    | 5.51       | 8.49    | ppb   |
| Selenium   | 82-1  | 5.12    | 5.32    | 5.57    | 5.34       | 4.16    | ppb   |
| Silicon    | 28-1  | 8.71    | 8.89    | 8.96    | 8.85       | 1.45    | ppb   |
| Silver     | 109-1 | 1.10    | 1.10    | 1.06    | 1.09       | 2.15    | ppb   |
| Silver     | 107-1 | 1.12    | 1.05    | 1.09    | 1.09       | 3.38    | ppb   |
| Sodium     | 23-2  | 436.83  | 438.71  | 437.12  | 437.56     | 0.23    | ppb   |
| Strontium  | 86-1  | 0.87    | 0.88    | 0.88    | 0.87       | 0.48    | ppb   |
| Strontium  | 88-1  | 0.95    | 0.90    | 0.91    | 0.92       | 3.05    | ppb   |
| Sulfur     | 34-1  | 85.67   | 72.12   | 65.50   | 74.43      | 13.82   | ppb   |
| Terbium    | 159-1 |         |         |         | 98         |         | %     |
| Terbium    | 159-2 |         |         |         | 99         |         | %     |
| Thallium   | 203-1 | 0.88    | 0.87    | 0.87    | 0.87       | 0.81    | ppb   |
| Thallium   | 205-1 | 0.87    | 0.90    | 0.87    | 0.88       | 2.05    | ppb   |
| Thorium    | 232-1 | 0.82    | 0.82    | 0.81    | 0.81       | 0.46    | ppb   |
| Tin        | 118-1 | 5.17    | 5.14    | 5.08    | 5.13       | 0.92    | ppb   |
| Titanium   | 47-1  | 4.93    | 4.83    | 4.74    | 4.83       | 2.00    | ppb   |
| Uranium    | 238-1 | 0.83    | 0.83    | 0.81    | 0.83       | 1.25    | ppb   |
| Vanadium   | 51-2  | 4.92    | 4.99    | 4.90    | 4.94       | 0.92    | ppb   |
| Yttrium    | 89-1  |         |         |         | 99         |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:22:00 | DataFile Name :   | 005CALS_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.02    | 1.91    | 2.10    | 2.01       | 4.65    | ppb   |
| Zirconium | 90-1 | 0.92    | 0.91    | 0.90    | 0.91       | 1.37    | ppb   |
| Zirconium | 91-1 | 0.95    | 1.00    | 0.96    | 0.97       | 2.55    | ppb   |

LB Number : LB99847 Operator : Jaswal  
 Lab Sample ID : S3 Instrumnet Name : P7  
 Client Sample ID : S3 Dilution Factor : 1  
 Date & Time Acquired :: 2018-12-15 14:25:55 DataFile Name : 006CAL5\_P7121518-MS

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 982.27  | 973.62  | 999.18  | 985.02     | 1.32    | ppb   |
| Antimony   | 121-1 | 53.59   | 54.47   | 54.28   | 54.11      | 0.86    | ppb   |
| Arsenic    | 75-2  | 53.44   | 52.90   | 54.00   | 53.45      | 1.03    | ppb   |
| Barium     | 135-1 | 258.49  | 261.69  | 262.80  | 260.99     | 0.86    | ppb   |
| Barium     | 137-1 | 260.97  | 261.71  | 263.85  | 262.18     | 0.57    | ppb   |
| Beryllium  | 9-1   | 54.62   | 55.19   | 55.00   | 54.94      | 0.53    | ppb   |
| Bismuth    | 209-1 |         |         |         | 97         |         | %     |
| Bismuth    | 209-2 |         |         |         | 95         |         | %     |
| Boron      | 10-1  | 50.46   | 52.49   | 52.94   | 51.96      | 2.55    | ppb   |
| Boron      | 11-1  | 50.34   | 51.81   | 52.80   | 51.65      | 2.40    | ppb   |
| Cadmium    | 111-1 | 54.60   | 54.71   | 54.29   | 54.54      | 0.40    | ppb   |
| Cadmium    | 106-1 | 54.07   | 54.48   | 55.65   | 54.73      | 1.50    | ppb   |
| Cadmium    | 108-1 | 53.59   | 53.52   | 53.46   | 53.52      | 0.12    | ppb   |
| Calcium    | 43-1  | 4850.17 | 4869.27 | 4969.91 | 4896.45    | 1.31    | ppb   |
| Calcium    | 44-1  | 4880.90 | 4923.34 | 4954.32 | 4919.52    | 0.75    | ppb   |
| Chromium   | 52-2  | 52.04   | 52.28   | 53.18   | 52.50      | 1.15    | ppb   |
| Cobalt     | 59-2  | 54.40   | 53.82   | 54.78   | 54.33      | 0.90    | ppb   |
| Copper     | 63-2  | 108.90  | 108.63  | 110.53  | 109.35     | 0.94    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 99         |         | %     |
| Holmium    | 165-2 |         |         |         | 96         |         | %     |
| Indium     | 115-1 |         |         |         | 97         |         | %     |
| Indium     | 115-2 |         |         |         | 98         |         | %     |
| Iron       | 56-2  | 2729.93 | 2735.31 | 2756.57 | 2740.60    | 0.51    | ppb   |
| Iron       | 57-2  | 2778.49 | 2761.80 | 2786.41 | 2775.56    | 0.45    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 48.66   | 48.72   | 49.07   | 48.82      | 0.44    | ppb   |
| Lead       | 207-1 | 48.49   | 48.72   | 49.53   | 48.91      | 1.12    | ppb   |
| Lead       | 208-1 | 48.74   | 48.81   | 49.28   | 48.94      | 0.60    | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 5092.16 | 5117.58 | 5154.22 | 5121.32    | 0.61    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:25:55 | DataFile Name :   | 006CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 102.99  | 103.56  | 104.48  | 103.67     | 0.72    | ppb   |
| Molybdenum | 94-1  | 248.55  | 254.37  | 250.23  | 251.05     | 1.19    | ppb   |
| Molybdenum | 95-1  | 249.48  | 253.25  | 250.05  | 250.92     | 0.81    | ppb   |
| Molybdenum | 96-1  | 248.36  | 252.37  | 248.59  | 249.77     | 0.90    | ppb   |
| Molybdenum | 97-1  | 249.39  | 252.17  | 251.91  | 251.16     | 0.61    | ppb   |
| Molybdenum | 98-1  | 248.40  | 252.32  | 251.19  | 250.64     | 0.81    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 56.18   | 55.83   | 56.40   | 56.13      | 0.51    | ppb   |
| Phosphorus | 31-2  | 1008.31 | 995.47  | 1057.14 | 1020.31    | 3.19    | ppb   |
| Potassium  | 39-2  | 2455.05 | 2473.15 | 2487.79 | 2471.99    | 0.66    | ppb   |
| Rhodium    | 103-1 |         |         |         | 96         |         | %     |
| Rhodium    | 103-2 |         |         |         | 96         |         | %     |
| Scandium   | 45-1  |         |         |         | 98         |         | %     |
| Scandium   | 45-2  |         |         |         | 95         |         | %     |
| Selenium   | 77-2  | 58.02   | 53.67   | 59.57   | 57.09      | 5.36    | ppb   |
| Selenium   | 78-2  | 55.52   | 56.51   | 56.15   | 56.06      | 0.90    | ppb   |
| Selenium   | 82-1  | 54.42   | 55.01   | 55.42   | 54.95      | 0.92    | ppb   |
| Silicon    | 28-1  | 56.90   | 58.16   | 60.63   | 58.56      | 3.24    | ppb   |
| Silver     | 109-1 | 56.29   | 56.44   | 56.36   | 56.36      | 0.13    | ppb   |
| Silver     | 107-1 | 55.81   | 56.46   | 56.29   | 56.19      | 0.60    | ppb   |
| Sodium     | 23-2  | 4755.24 | 4750.89 | 4862.31 | 4789.48    | 1.32    | ppb   |
| Strontium  | 86-1  | 50.66   | 51.30   | 50.60   | 50.85      | 0.76    | ppb   |
| Strontium  | 88-1  | 49.68   | 50.45   | 50.28   | 50.14      | 0.81    | ppb   |
| Sulfur     | 34-1  | 1143.87 | 1108.37 | 1144.56 | 1132.26    | 1.83    | ppb   |
| Terbium    | 159-1 |         |         |         | 99         |         | %     |
| Terbium    | 159-2 |         |         |         | 96         |         | %     |
| Thallium   | 203-1 | 47.55   | 47.78   | 48.35   | 47.89      | 0.86    | ppb   |
| Thallium   | 205-1 | 47.69   | 48.05   | 48.15   | 47.96      | 0.50    | ppb   |
| Thorium    | 232-1 | 45.35   | 45.08   | 45.41   | 45.28      | 0.39    | ppb   |
| Tin        | 118-1 | 53.30   | 53.46   | 53.69   | 53.48      | 0.37    | ppb   |
| Titanium   | 47-1  | 251.80  | 252.94  | 251.65  | 252.13     | 0.28    | ppb   |
| Uranium    | 238-1 | 45.63   | 45.87   | 46.47   | 45.99      | 0.94    | ppb   |
| Vanadium   | 51-2  | 50.94   | 51.45   | 52.08   | 51.49      | 1.11    | ppb   |
| Yttrium    | 89-1  |         |         |         | 97         |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:25:55 | DataFile Name :   | 006CALS_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 109.91  | 108.98  | 110.55  | 109.81     | 0.72    | ppb   |
| Zirconium | 90-1 | 48.91   | 49.77   | 49.75   | 49.48      | 0.99    | ppb   |
| Zirconium | 91-1 | 49.89   | 50.72   | 50.54   | 50.38      | 0.87    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:30:05 | DataFile Name :   | 007CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2413.05  | 2418.02  | 2429.38  | 2420.15    | 0.35    | ppb   |
| Antimony   | 121-1 | 135.69   | 135.10   | 135.71   | 135.50     | 0.26    | ppb   |
| Arsenic    | 75-2  | 130.92   | 132.21   | 131.77   | 131.63     | 0.50    | ppb   |
| Barium     | 135-1 | 655.53   | 657.83   | 657.48   | 656.95     | 0.19    | ppb   |
| Barium     | 137-1 | 660.44   | 656.68   | 658.24   | 658.45     | 0.29    | ppb   |
| Beryllium  | 9-1   | 137.09   | 137.61   | 136.59   | 137.10     | 0.37    | ppb   |
| Bismuth    | 209-1 |          |          |          | 94         |         | %     |
| Bismuth    | 209-2 |          |          |          | 89         |         | %     |
| Boron      | 10-1  | 126.42   | 131.17   | 134.16   | 130.58     | 2.99    | ppb   |
| Boron      | 11-1  | 126.88   | 130.72   | 133.29   | 130.30     | 2.48    | ppb   |
| Cadmium    | 111-1 | 135.94   | 134.64   | 136.97   | 135.85     | 0.86    | ppb   |
| Cadmium    | 106-1 | 135.53   | 132.39   | 136.35   | 134.75     | 1.55    | ppb   |
| Cadmium    | 108-1 | 135.05   | 135.16   | 133.83   | 134.68     | 0.55    | ppb   |
| Calcium    | 43-1  | 12282.83 | 12743.04 | 12436.32 | 12487.40   | 1.88    | ppb   |
| Calcium    | 44-1  | 12229.63 | 12389.74 | 12259.04 | 12292.80   | 0.69    | ppb   |
| Chromium   | 52-2  | 127.66   | 127.36   | 129.86   | 128.29     | 1.06    | ppb   |
| Cobalt     | 59-2  | 132.15   | 132.68   | 133.78   | 132.87     | 0.62    | ppb   |
| Copper     | 63-2  | 264.78   | 264.79   | 269.12   | 266.23     | 0.94    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 95         |         | %     |
| Holmium    | 165-2 |          |          |          | 91         |         | %     |
| Indium     | 115-1 |          |          |          | 92         |         | %     |
| Indium     | 115-2 |          |          |          | 89         |         | %     |
| Iron       | 56-2  | 6801.75  | 6758.85  | 6826.15  | 6795.58    | 0.50    | ppb   |
| Iron       | 57-2  | 6868.52  | 6815.26  | 6960.22  | 6881.33    | 1.07    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 124.52   | 125.94   | 125.28   | 125.25     | 0.57    | ppb   |
| Lead       | 207-1 | 123.71   | 127.71   | 125.80   | 125.74     | 1.59    | ppb   |
| Lead       | 208-1 | 123.93   | 127.23   | 125.75   | 125.64     | 1.32    | ppb   |
| Lithium    | 6-1   |          |          |          | 97         |         | %     |
| Magnesium  | 24-2  | 12649.87 | 12625.88 | 12808.13 | 12694.62   | 0.78    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:30:05 | DataFile Name :   | 007CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 255.44   | 256.27   | 258.00   | 256.57     | 0.51    | ppb   |
| Molybdenum | 94-1  | 631.93   | 645.00   | 645.78   | 640.90     | 1.21    | ppb   |
| Molybdenum | 95-1  | 630.35   | 640.45   | 640.11   | 636.97     | 0.90    | ppb   |
| Molybdenum | 96-1  | 627.90   | 635.36   | 637.19   | 633.49     | 0.78    | ppb   |
| Molybdenum | 97-1  | 629.97   | 637.78   | 641.53   | 636.43     | 0.93    | ppb   |
| Molybdenum | 98-1  | 621.12   | 625.22   | 624.45   | 623.60     | 0.35    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 135.58   | 136.95   | 136.26   | 136.26     | 0.50    | ppb   |
| Phosphorus | 31-2  | 2625.24  | 2460.01  | 2624.57  | 2569.94    | 3.70    | ppb   |
| Potassium  | 39-2  | 6033.32  | 6011.62  | 6034.92  | 6026.62    | 0.22    | ppb   |
| Rhodium    | 103-1 |          |          |          | 89         |         | %     |
| Rhodium    | 103-2 |          |          |          | 88         |         | %     |
| Scandium   | 45-1  |          |          |          | 91         |         | %     |
| Scandium   | 45-2  |          |          |          | 87         |         | %     |
| Selenium   | 77-2  | 137.49   | 134.29   | 140.42   | 137.40     | 2.23    | ppb   |
| Selenium   | 78-2  | 135.53   | 133.78   | 131.35   | 133.55     | 1.57    | ppb   |
| Selenium   | 82-1  | 137.21   | 138.62   | 138.94   | 138.26     | 0.66    | ppb   |
| Silicon    | 28-1  | 149.18   | 155.11   | 157.05   | 153.78     | 2.66    | ppb   |
| Silver     | 109-1 | 138.40   | 138.58   | 139.78   | 138.92     | 0.54    | ppb   |
| Silver     | 107-1 | 138.30   | 138.23   | 138.48   | 138.34     | 0.09    | ppb   |
| Sodium     | 23-2  | 11913.81 | 11927.73 | 12015.57 | 11952.37   | 0.46    | ppb   |
| Strontium  | 86-1  | 128.84   | 129.04   | 129.62   | 129.17     | 0.31    | ppb   |
| Strontium  | 88-1  | 126.00   | 128.05   | 128.67   | 127.57     | 1.10    | ppb   |
| Sulfur     | 34-1  | 2740.05  | 2737.91  | 2664.11  | 2714.02    | 1.59    | ppb   |
| Terbium    | 159-1 |          |          |          | 95         |         | %     |
| Terbium    | 159-2 |          |          |          | 91         |         | %     |
| Thallium   | 203-1 | 121.75   | 124.30   | 124.31   | 123.45     | 1.20    | ppb   |
| Thallium   | 205-1 | 122.44   | 123.42   | 122.38   | 122.75     | 0.48    | ppb   |
| Thorium    | 232-1 | 115.15   | 116.83   | 116.71   | 116.23     | 0.81    | ppb   |
| Tin        | 118-1 | 133.32   | 135.07   | 133.85   | 134.08     | 0.67    | ppb   |
| Titanium   | 47-1  | 634.22   | 638.60   | 634.31   | 635.71     | 0.39    | ppb   |
| Uranium    | 238-1 | 116.76   | 117.62   | 116.93   | 117.10     | 0.39    | ppb   |
| Vanadium   | 51-2  | 125.19   | 126.50   | 126.69   | 126.12     | 0.65    | ppb   |
| Yttrium    | 89-1  |          |          |          | 92         |         | %     |
| Yttrium    | 89-2  |          |          |          | 89         |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:30:05 | DataFile Name :   | 007CALS_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 267.23  | 266.90  | 269.41  | 267.85     | 0.51    | ppb   |
| Zirconium | 90-1 | 125.17  | 126.61  | 126.93  | 126.24     | 0.74    | ppb   |
| Zirconium | 91-1 | 127.44  | 127.76  | 128.78  | 128.00     | 0.55    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:33:53 | DataFile Name :   | 008CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4862.11  | 4939.22  | 4849.31  | 4883.55    | 1.00    | ppb   |
| Antimony   | 121-1 | 260.21   | 260.05   | 264.61   | 261.63     | 0.99    | ppb   |
| Arsenic    | 75-2  | 253.67   | 254.65   | 254.11   | 254.14     | 0.19    | ppb   |
| Barium     | 135-1 | 1271.81  | 1281.31  | 1291.45  | 1281.53    | 0.77    | ppb   |
| Barium     | 137-1 | 1258.72  | 1245.84  | 1271.57  | 1258.71    | 1.02    | ppb   |
| Beryllium  | 9-1   | 261.32   | 257.78   | 262.23   | 260.44     | 0.90    | ppb   |
| Bismuth    | 209-1 |          |          |          | 90         |         | %     |
| Bismuth    | 209-2 |          |          |          | 85         |         | %     |
| Boron      | 10-1  | 249.34   | 251.48   | 257.65   | 252.82     | 1.71    | ppb   |
| Boron      | 11-1  | 243.34   | 251.93   | 256.37   | 250.55     | 2.64    | ppb   |
| Cadmium    | 111-1 | 255.21   | 256.56   | 259.14   | 256.97     | 0.78    | ppb   |
| Cadmium    | 106-1 | 255.06   | 255.33   | 261.50   | 257.30     | 1.42    | ppb   |
| Cadmium    | 108-1 | 251.99   | 257.08   | 265.09   | 258.06     | 2.56    | ppb   |
| Calcium    | 43-1  | 24787.32 | 24780.01 | 25386.53 | 24984.62   | 1.39    | ppb   |
| Calcium    | 44-1  | 24368.60 | 24916.57 | 24902.84 | 24729.34   | 1.26    | ppb   |
| Chromium   | 52-2  | 256.97   | 258.66   | 256.29   | 257.31     | 0.47    | ppb   |
| Cobalt     | 59-2  | 262.83   | 263.94   | 259.74   | 262.17     | 0.83    | ppb   |
| Copper     | 63-2  | 518.60   | 525.59   | 518.68   | 520.96     | 0.77    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 92         |         | %     |
| Holmium    | 165-2 |          |          |          | 88         |         | %     |
| Indium     | 115-1 |          |          |          | 85         |         | %     |
| Indium     | 115-2 |          |          |          | 83         |         | %     |
| Iron       | 56-2  | 13752.74 | 13608.52 | 13628.67 | 13663.31   | 0.57    | ppb   |
| Iron       | 57-2  | 13774.09 | 13890.09 | 13704.47 | 13789.55   | 0.68    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 249.91   | 251.10   | 254.43   | 251.81     | 0.93    | ppb   |
| Lead       | 207-1 | 251.11   | 250.98   | 255.33   | 252.47     | 0.98    | ppb   |
| Lead       | 208-1 | 250.31   | 251.86   | 253.90   | 252.02     | 0.71    | ppb   |
| Lithium    | 6-1   |          |          |          | 93         |         | %     |
| Magnesium  | 24-2  | 25928.41 | 25734.87 | 25655.22 | 25772.84   | 0.55    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:33:53 | DataFile Name :   | 008CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 516.81   | 519.53   | 516.97   | 517.77     | 0.29    | ppb   |
| Molybdenum | 94-1  | 1261.01  | 1268.06  | 1285.64  | 1271.57    | 1.00    | ppb   |
| Molybdenum | 95-1  | 1246.01  | 1235.59  | 1257.65  | 1246.42    | 0.89    | ppb   |
| Molybdenum | 96-1  | 1251.67  | 1233.84  | 1259.39  | 1248.30    | 1.05    | ppb   |
| Molybdenum | 97-1  | 1255.20  | 1255.24  | 1273.09  | 1261.18    | 0.82    | ppb   |
| Molybdenum | 98-1  | 1249.01  | 1242.58  | 1259.83  | 1250.48    | 0.70    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 264.52   | 268.69   | 266.94   | 266.72     | 0.79    | ppb   |
| Phosphorus | 31-2  | 5150.67  | 5087.59  | 5122.43  | 5120.23    | 0.62    | ppb   |
| Potassium  | 39-2  | 12090.66 | 11969.46 | 12029.84 | 12029.98   | 0.50    | ppb   |
| Rhodium    | 103-1 |          |          |          | 81         |         | %     |
| Rhodium    | 103-2 |          |          |          | 81         |         | %     |
| Scandium   | 45-1  |          |          |          | 83         |         | %     |
| Scandium   | 45-2  |          |          |          | 78         |         | %     |
| Selenium   | 77-2  | 253.84   | 265.27   | 267.06   | 262.06     | 2.74    | ppb   |
| Selenium   | 78-2  | 264.33   | 261.11   | 270.06   | 265.17     | 1.71    | ppb   |
| Selenium   | 82-1  | 268.55   | 270.01   | 271.29   | 269.95     | 0.51    | ppb   |
| Silicon    | 28-1  | 296.21   | 311.54   | 312.80   | 306.85     | 3.01    | ppb   |
| Silver     | 109-1 | 257.48   | 259.56   | 263.10   | 260.04     | 1.09    | ppb   |
| Silver     | 107-1 | 257.42   | 256.37   | 262.35   | 258.71     | 1.23    | ppb   |
| Sodium     | 23-2  | 24412.86 | 24391.64 | 24062.41 | 24288.97   | 0.81    | ppb   |
| Strontium  | 86-1  | 254.57   | 256.97   | 260.40   | 257.31     | 1.14    | ppb   |
| Strontium  | 88-1  | 249.12   | 248.99   | 252.38   | 250.16     | 0.77    | ppb   |
| Sulfur     | 34-1  | 5089.02  | 5218.45  | 5267.56  | 5191.68    | 1.78    | ppb   |
| Terbium    | 159-1 |          |          |          | 91         |         | %     |
| Terbium    | 159-2 |          |          |          | 87         |         | %     |
| Thallium   | 203-1 | 244.52   | 247.19   | 249.89   | 247.20     | 1.08    | ppb   |
| Thallium   | 205-1 | 242.25   | 244.15   | 244.38   | 243.59     | 0.48    | ppb   |
| Thorium    | 232-1 | 237.63   | 238.12   | 240.81   | 238.85     | 0.72    | ppb   |
| Tin        | 118-1 | 255.81   | 258.09   | 262.06   | 258.65     | 1.22    | ppb   |
| Titanium   | 47-1  | 1244.89  | 1264.53  | 1278.85  | 1262.76    | 1.35    | ppb   |
| Uranium    | 238-1 | 239.12   | 239.30   | 243.29   | 240.57     | 0.98    | ppb   |
| Vanadium   | 51-2  | 253.09   | 254.24   | 252.42   | 253.25     | 0.36    | ppb   |
| Yttrium    | 89-1  |          |          |          | 84         |         | %     |
| Yttrium    | 89-2  |          |          |          | 82         |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:33:53 | DataFile Name :   | 008CALS_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 532.54  | 539.54  | 528.89  | 533.66     | 1.01    | ppb   |
| Zirconium | 90-1 | 249.72  | 249.55  | 250.88  | 250.05     | 0.29    | ppb   |
| Zirconium | 91-1 | 254.35  | 254.27  | 257.62  | 255.41     | 0.75    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:37:41 | DataFile Name :   | 009CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9632.02  | 9629.82  | 9567.28  | 9609.71    | 0.38    | ppb   |
| Antimony   | 121-1 | 492.71   | 501.23   | 505.63   | 499.86     | 1.31    | ppb   |
| Arsenic    | 75-2  | 502.86   | 502.35   | 497.97   | 501.06     | 0.54    | ppb   |
| Barium     | 135-1 | 2442.71  | 2485.51  | 2473.89  | 2467.37    | 0.90    | ppb   |
| Barium     | 137-1 | 2479.33  | 2494.74  | 2489.77  | 2487.95    | 0.32    | ppb   |
| Beryllium  | 9-1   | 503.55   | 504.74   | 500.49   | 502.92     | 0.44    | ppb   |
| Bismuth    | 209-1 |          |          |          | 88         |         | %     |
| Bismuth    | 209-2 |          |          |          | 82         |         | %     |
| Boron      | 10-1  | 496.89   | 507.37   | 510.93   | 505.06     | 1.45    | ppb   |
| Boron      | 11-1  | 489.63   | 508.88   | 505.43   | 501.31     | 2.05    | ppb   |
| Cadmium    | 111-1 | 478.46   | 489.32   | 487.08   | 484.95     | 1.18    | ppb   |
| Cadmium    | 106-1 | 474.20   | 485.75   | 488.61   | 482.85     | 1.58    | ppb   |
| Cadmium    | 108-1 | 481.67   | 479.02   | 480.52   | 480.40     | 0.28    | ppb   |
| Calcium    | 43-1  | 49193.75 | 49332.35 | 49630.70 | 49385.60   | 0.45    | ppb   |
| Calcium    | 44-1  | 49390.05 | 49640.71 | 49360.88 | 49463.88   | 0.31    | ppb   |
| Chromium   | 52-2  | 508.66   | 507.98   | 508.43   | 508.36     | 0.07    | ppb   |
| Cobalt     | 59-2  | 515.61   | 518.88   | 516.79   | 517.09     | 0.32    | ppb   |
| Copper     | 63-2  | 1003.46  | 1019.70  | 1003.06  | 1008.74    | 0.94    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 91         |         | %     |
| Holmium    | 165-2 |          |          |          | 87         |         | %     |
| Indium     | 115-1 |          |          |          | 82         |         | %     |
| Indium     | 115-2 |          |          |          | 80         |         | %     |
| Iron       | 56-2  | 27097.40 | 27031.21 | 26891.61 | 27006.74   | 0.39    | ppb   |
| Iron       | 57-2  | 27112.68 | 27098.31 | 27341.79 | 27184.26   | 0.50    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 486.09   | 494.60   | 496.91   | 492.53     | 1.16    | ppb   |
| Lead       | 207-1 | 493.69   | 500.06   | 499.52   | 497.76     | 0.71    | ppb   |
| Lead       | 208-1 | 495.75   | 499.86   | 498.55   | 498.05     | 0.42    | ppb   |
| Lithium    | 6-1   |          |          |          | 89         |         | %     |
| Magnesium  | 24-2  | 51148.81 | 50729.42 | 50535.81 | 50804.68   | 0.62    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:37:41 | DataFile Name :   | 009CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1025.60  | 1021.97  | 1023.15  | 1023.57    | 0.18    | ppb   |
| Molybdenum | 94-1  | 2495.87  | 2499.10  | 2482.82  | 2492.60    | 0.35    | ppb   |
| Molybdenum | 95-1  | 2503.93  | 2509.13  | 2480.39  | 2497.81    | 0.61    | ppb   |
| Molybdenum | 96-1  | 2501.50  | 2520.62  | 2487.30  | 2503.14    | 0.67    | ppb   |
| Molybdenum | 97-1  | 2499.49  | 2502.90  | 2481.28  | 2494.56    | 0.47    | ppb   |
| Molybdenum | 98-1  | 2488.81  | 2514.66  | 2482.92  | 2495.46    | 0.68    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 518.00   | 518.44   | 516.47   | 517.64     | 0.20    | ppb   |
| Phosphorus | 31-2  | 10003.84 | 9873.30  | 10176.51 | 10017.88   | 1.52    | ppb   |
| Potassium  | 39-2  | 23975.44 | 23580.36 | 23762.78 | 23772.86   | 0.83    | ppb   |
| Rhodium    | 103-1 |          |          |          | 77         |         | %     |
| Rhodium    | 103-2 |          |          |          | 78         |         | %     |
| Scandium   | 45-1  |          |          |          | 79         |         | %     |
| Scandium   | 45-2  |          |          |          | 77         |         | %     |
| Selenium   | 77-2  | 501.83   | 520.24   | 523.97   | 515.35     | 2.30    | ppb   |
| Selenium   | 78-2  | 504.78   | 523.75   | 505.75   | 511.43     | 2.09    | ppb   |
| Selenium   | 82-1  | 519.24   | 519.88   | 517.93   | 519.02     | 0.19    | ppb   |
| Silicon    | 28-1  | 575.91   | 587.91   | 588.03   | 583.95     | 1.19    | ppb   |
| Silver     | 109-1 | 489.73   | 488.38   | 489.51   | 489.21     | 0.15    | ppb   |
| Silver     | 107-1 | 484.53   | 488.77   | 488.53   | 487.28     | 0.49    | ppb   |
| Sodium     | 23-2  | 48512.14 | 48102.51 | 47960.24 | 48191.63   | 0.59    | ppb   |
| Strontium  | 86-1  | 501.97   | 510.02   | 507.02   | 506.34     | 0.80    | ppb   |
| Strontium  | 88-1  | 499.05   | 499.71   | 496.21   | 498.33     | 0.37    | ppb   |
| Sulfur     | 34-1  | 9983.25  | 10042.33 | 10049.28 | 10024.95   | 0.36    | ppb   |
| Terbium    | 159-1 |          |          |          | 90         |         | %     |
| Terbium    | 159-2 |          |          |          | 86         |         | %     |
| Thallium   | 203-1 | 488.06   | 495.18   | 491.65   | 491.63     | 0.72    | ppb   |
| Thallium   | 205-1 | 489.37   | 496.69   | 490.60   | 492.22     | 0.80    | ppb   |
| Thorium    | 232-1 | 496.46   | 493.37   | 493.11   | 494.31     | 0.38    | ppb   |
| Tin        | 118-1 | 489.69   | 497.60   | 501.14   | 496.14     | 1.18    | ppb   |
| Titanium   | 47-1  | 2468.46  | 2510.30  | 2497.26  | 2492.00    | 0.86    | ppb   |
| Uranium    | 238-1 | 497.74   | 496.25   | 497.09   | 497.03     | 0.15    | ppb   |
| Vanadium   | 51-2  | 501.65   | 503.96   | 502.10   | 502.57     | 0.24    | ppb   |
| Yttrium    | 89-1  |          |          |          | 81         |         | %     |
| Yttrium    | 89-2  |          |          |          | 80         |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:37:41 | DataFile Name :   | 009CALS_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1021.86 | 1036.60 | 1030.99 | 1029.82    | 0.72    | ppb   |
| Zirconium | 90-1 | 498.18  | 501.66  | 498.11  | 499.32     | 0.41    | ppb   |
| Zirconium | 91-1 | 502.56  | 506.17  | 506.34  | 505.03     | 0.42    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:26:02 | DataFile Name :   | 015CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 19182.79  | 19205.13  | 19035.56 | 19141.16   | 0.48    | ppb   |
| Antimony   | 121-1 | 994.38    | 998.86    | 993.70   | 995.65     | 0.28    | ppb   |
| Arsenic    | 75-2  | 996.14    | 1006.46   | 989.70   | 997.43     | 0.85    | ppb   |
| Barium     | 135-1 | 4972.49   | 5050.11   | 4989.08  | 5003.89    | 0.82    | ppb   |
| Barium     | 137-1 | 4958.17   | 5025.68   | 5013.33  | 4999.06    | 0.72    | ppb   |
| Beryllium  | 9-1   | 993.36    | 1000.72   | 988.42   | 994.17     | 0.62    | ppb   |
| Bismuth    | 209-1 |           |           |          | 91         |         | %     |
| Bismuth    | 209-2 |           |           |          | 84         |         | %     |
| Boron      | 10-1  | 965.10    | 1004.97   | 1017.96  | 996.01     | 2.77    | ppb   |
| Boron      | 11-1  | 979.80    | 1007.51   | 1008.17  | 998.49     | 1.62    | ppb   |
| Cadmium    | 111-1 | 991.94    | 1005.58   | 1015.06  | 1004.20    | 1.16    | ppb   |
| Cadmium    | 106-1 | 994.81    | 1016.60   | 1004.46  | 1005.29    | 1.09    | ppb   |
| Cadmium    | 108-1 | 993.54    | 1011.67   | 1013.98  | 1006.40    | 1.11    | ppb   |
| Calcium    | 43-1  | 96223.39  | 97873.05  | 98327.31 | 97474.58   | 1.14    | ppb   |
| Calcium    | 44-1  | 97307.72  | 98548.28  | 98342.75 | 98066.25   | 0.68    | ppb   |
| Chromium   | 52-2  | 996.30    | 998.49    | 985.58   | 993.46     | 0.70    | ppb   |
| Cobalt     | 59-2  | 993.14    | 987.90    | 980.59   | 987.21     | 0.64    | ppb   |
| Copper     | 63-2  | 2017.53   | 1981.34   | 1964.81  | 1987.89    | 1.36    | ppb   |
| Dysprosium | 156-1 |           |           |          |            |         | cps   |
| Dysprosium | 156-2 |           |           |          |            |         | cps   |
| Erbium     | 164-1 |           |           |          |            |         | cps   |
| Erbium     | 164-2 |           |           |          |            |         | cps   |
| Gadolinium | 160-1 |           |           |          |            |         | cps   |
| Gadolinium | 160-2 |           |           |          |            |         | cps   |
| Holmium    | 165-1 |           |           |          | 100        |         | %     |
| Holmium    | 165-2 |           |           |          | 93         |         | %     |
| Indium     | 115-1 |           |           |          | 89         |         | %     |
| Indium     | 115-2 |           |           |          | 86         |         | %     |
| Iron       | 56-2  | 52770.07  | 52742.81  | 51538.30 | 52350.39   | 1.34    | ppb   |
| Iron       | 57-2  | 52800.72  | 52914.41  | 52405.27 | 52706.80   | 0.51    | ppb   |
| Krypton    | 83-1  |           |           |          |            |         | cps   |
| Lead       | 206-1 | 1003.81   | 1006.15   | 999.96   | 1003.31    | 0.31    | ppb   |
| Lead       | 207-1 | 998.67    | 1000.87   | 1001.86  | 1000.46    | 0.16    | ppb   |
| Lead       | 208-1 | 1003.42   | 999.82    | 998.08   | 1000.44    | 0.27    | ppb   |
| Lithium    | 6-1   |           |           |          | 97         |         | %     |
| Magnesium  | 24-2  | 101994.50 | 100951.71 | 99802.39 | 100916.20  | 1.09    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:26:02 | DataFile Name :   | 015CALS_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1981.61  | 1994.84  | 1971.85  | 1982.77    | 0.58    | ppb   |
| Molybdenum | 94-1  | 5025.44  | 4997.02  | 4966.34  | 4996.27    | 0.59    | ppb   |
| Molybdenum | 95-1  | 5018.92  | 4997.57  | 4984.85  | 5000.45    | 0.34    | ppb   |
| Molybdenum | 96-1  | 4995.99  | 4999.19  | 4998.24  | 4997.81    | 0.03    | ppb   |
| Molybdenum | 97-1  | 4983.26  | 5022.15  | 4989.91  | 4998.44    | 0.42    | ppb   |
| Molybdenum | 98-1  | 5003.52  | 5023.97  | 4979.39  | 5002.29    | 0.45    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 988.83   | 991.34   | 975.70   | 985.29     | 0.85    | ppb   |
| Phosphorus | 31-2  | 19911.86 | 19919.24 | 20022.63 | 19951.24   | 0.31    | ppb   |
| Potassium  | 39-2  | 48244.93 | 47703.81 | 47135.13 | 47694.62   | 1.16    | ppb   |
| Rhodium    | 103-1 |          |          |          | 84         |         | %     |
| Rhodium    | 103-2 |          |          |          | 84         |         | %     |
| Scandium   | 45-1  |          |          |          | 90         |         | %     |
| Scandium   | 45-2  |          |          |          | 88         |         | %     |
| Selenium   | 77-2  | 978.44   | 993.08   | 990.71   | 987.41     | 0.80    | ppb   |
| Selenium   | 78-2  | 976.61   | 991.72   | 999.03   | 989.12     | 1.16    | ppb   |
| Selenium   | 82-1  | 978.35   | 985.34   | 987.11   | 983.60     | 0.47    | ppb   |
| Silicon    | 28-1  | 936.63   | 942.01   | 940.76   | 939.80     | 0.30    | ppb   |
| Silver     | 109-1 | 1005.69  | 998.75   | 998.04   | 1000.83    | 0.42    | ppb   |
| Silver     | 107-1 | 1006.17  | 1007.74  | 992.71   | 1002.21    | 0.82    | ppb   |
| Sodium     | 23-2  | 98155.35 | 96308.94 | 95564.19 | 96676.16   | 1.38    | ppb   |
| Strontium  | 86-1  | 988.06   | 993.74   | 1001.51  | 994.44     | 0.68    | ppb   |
| Strontium  | 88-1  | 1002.07  | 999.68   | 999.66   | 1000.47    | 0.14    | ppb   |
| Sulfur     | 34-1  | 19764.90 | 20116.99 | 19836.83 | 19906.24   | 0.93    | ppb   |
| Terbium    | 159-1 |          |          |          | 98         |         | %     |
| Terbium    | 159-2 |          |          |          | 92         |         | %     |
| Thallium   | 203-1 | 1005.15  | 1010.18  | 1000.21  | 1005.18    | 0.50    | ppb   |
| Thallium   | 205-1 | 1008.51  | 1006.41  | 1002.70  | 1005.88    | 0.29    | ppb   |
| Thorium    | 232-1 | 1002.64  | 1015.82  | 1002.42  | 1006.96    | 0.76    | ppb   |
| Tin        | 118-1 | 996.41   | 1000.25  | 998.70   | 998.46     | 0.19    | ppb   |
| Titanium   | 47-1  | 4965.36  | 5017.89  | 5014.84  | 4999.36    | 0.59    | ppb   |
| Uranium    | 238-1 | 1001.98  | 1012.41  | 1000.71  | 1005.03    | 0.64    | ppb   |
| Vanadium   | 51-2  | 1001.90  | 1001.67  | 989.49   | 997.69     | 0.71    | ppb   |
| Yttrium    | 89-1  |          |          |          | 91         |         | %     |
| Yttrium    | 89-2  |          |          |          | 89         |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:26:02 | DataFile Name :   | 015CALS_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1975.03 | 1981.00 | 1965.83 | 1973.95    | 0.39    | ppb   |
| Zirconium | 90-1 | 1002.31 | 1005.30 | 992.99  | 1000.20    | 0.64    | ppb   |
| Zirconium | 91-1 | 989.19  | 1000.94 | 997.09  | 995.74     | 0.60    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:29:48 | DataFile Name :   | 016CALS_P7121518-MS |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD   | Units |
|------------|-------|-----------|-----------|-----------|------------|-----------|-------|
| Aluminium  | 27-2  | 100099.30 | 100708.77 | 99848.22  | 100218.77  | 0.44      | ppb   |
| Antimony   | 121-1 | 1.38      | 1.37      | 1.34      | 1.36       | 1.63      | ppb   |
| Arsenic    | 75-2  | 1.41      | 1.24      | 1.48      | 1.38       | 8.86      | ppb   |
| Barium     | 135-1 | 0.98      | 0.99      | 0.96      | 0.98       | 2.00      | ppb   |
| Barium     | 137-1 | 0.97      | 1.01      | 0.96      | 0.98       | 2.90      | ppb   |
| Beryllium  | 9-1   | 0.17      | 0.15      | 0.16      | 0.16       | 7.01      | ppb   |
| Bismuth    | 209-1 |           |           |           | 77         |           | %     |
| Bismuth    | 209-2 |           |           |           | 70         |           | %     |
| Boron      | 10-1  | 35.18     | 30.08     | 28.07     | 31.11      | 11.79     | ppb   |
| Boron      | 11-1  | 34.25     | 31.12     | 29.08     | 31.48      | 8.28      | ppb   |
| Cadmium    | 111-1 | 0.05      | 0.21      | 0.21      | 0.16       | 56.99     | ppb   |
| Cadmium    | 106-1 | -1.28     | 0.77      | 0.51      | 0.00       | 250855.28 | ppb   |
| Cadmium    | 108-1 | 0.18      | 0.17      | 0.15      | 0.17       | 10.68     | ppb   |
| Calcium    | 43-1  | 496970.92 | 505645.08 | 499090.07 | 500568.69  | 0.90      | ppb   |
| Calcium    | 44-1  | 495713.02 | 504711.50 | 500955.25 | 500459.93  | 0.90      | ppb   |
| Chromium   | 52-2  | 38.07     | 38.31     | 38.07     | 38.15      | 0.36      | ppb   |
| Cobalt     | 59-2  | 11.97     | 11.92     | 11.86     | 11.91      | 0.45      | ppb   |
| Copper     | 63-2  | 3.74      | 3.73      | 3.65      | 3.71       | 1.39      | ppb   |
| Dysprosium | 156-1 |           |           |           |            |           | cps   |
| Dysprosium | 156-2 |           |           |           |            |           | cps   |
| Erbium     | 164-1 |           |           |           |            |           | cps   |
| Erbium     | 164-2 |           |           |           |            |           | cps   |
| Gadolinium | 160-1 |           |           |           |            |           | cps   |
| Gadolinium | 160-2 |           |           |           |            |           | cps   |
| Holmium    | 165-1 |           |           |           | 96         |           | %     |
| Holmium    | 165-2 |           |           |           | 91         |           | %     |
| Indium     | 115-1 |           |           |           | 86         |           | %     |
| Indium     | 115-2 |           |           |           | 85         |           | %     |
| Iron       | 56-2  | 249901.66 | 250554.73 | 247308.72 | 249255.04  | 0.69      | ppb   |
| Iron       | 57-2  | 249197.86 | 250918.70 | 247355.03 | 249157.20  | 0.72      | ppb   |
| Krypton    | 83-1  |           |           |           |            |           | cps   |
| Lead       | 206-1 | 1.56      | 1.57      | 1.54      | 1.55       | 1.06      | ppb   |
| Lead       | 207-1 | 1.46      | 1.45      | 1.52      | 1.48       | 2.31      | ppb   |
| Lead       | 208-1 | 1.49      | 1.50      | 1.51      | 1.50       | 0.52      | ppb   |
| Lithium    | 6-1   |           |           |           | 88         |           | %     |
| Magnesium  | 24-2  | 501199.06 | 500597.47 | 497278.30 | 499691.61  | 0.42      | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:29:48 | DataFile Name :   | 016CAL5_P7121518-MS |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 13.34     | 13.57     | 12.99     | 13.30      | 2.22    | ppb   |
| Molybdenum | 94-1  | 6.20      | 5.98      | 5.68      | 5.96       | 4.42    | ppb   |
| Molybdenum | 95-1  | 7.77      | 7.60      | 7.60      | 7.65       | 1.29    | ppb   |
| Molybdenum | 96-1  | 8.76      | 8.71      | 8.60      | 8.69       | 0.94    | ppb   |
| Molybdenum | 97-1  | 7.24      | 7.50      | 7.11      | 7.28       | 2.74    | ppb   |
| Molybdenum | 98-1  | 7.41      | 7.16      | 7.18      | 7.25       | 1.95    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 30.68     | 31.45     | 30.88     | 31.00      | 1.29    | ppb   |
| Phosphorus | 31-2  | -19.11    | -10.71    | -15.44    | -15.09     |         | ppb   |
| Potassium  | 39-2  | 251035.74 | 251443.78 | 249360.19 | 250613.24  | 0.44    | ppb   |
| Rhodium    | 103-1 |           |           |           | 77         |         | %     |
| Rhodium    | 103-2 |           |           |           | 77         |         | %     |
| Scandium   | 45-1  |           |           |           | 90         |         | %     |
| Scandium   | 45-2  |           |           |           | 95         |         | %     |
| Selenium   | 77-2  | 0.71      | 1.03      | 1.03      | 0.92       | 20.16   | ppb   |
| Selenium   | 78-2  | -0.14     | -0.17     | 1.01      | 0.23       | 285.82  | ppb   |
| Selenium   | 82-1  | 0.68      | 0.05      | 0.31      | 0.35       | 91.72   | ppb   |
| Silicon    | 28-1  | 61.33     | 63.86     | 61.83     | 62.34      | 2.15    | ppb   |
| Silver     | 109-1 | 0.11      | 0.10      | 0.10      | 0.10       | 3.14    | ppb   |
| Silver     | 107-1 | 0.09      | 0.10      | 0.12      | 0.10       | 11.85   | ppb   |
| Sodium     | 23-2  | 499534.16 | 503940.27 | 499216.61 | 500897.01  | 0.53    | ppb   |
| Strontium  | 86-1  | 4.54      | 4.57      | 4.67      | 4.60       | 1.43    | ppb   |
| Strontium  | 88-1  | 4.57      | 4.57      | 4.56      | 4.57       | 0.24    | ppb   |
| Sulfur     | 34-1  | -83.61    | 2.87      | 32.87     | -15.96     |         | ppb   |
| Terbium    | 159-1 |           |           |           | 95         |         | %     |
| Terbium    | 159-2 |           |           |           | 90         |         | %     |
| Thallium   | 203-1 | 0.34      | 0.31      | 0.32      | 0.32       | 4.01    | ppb   |
| Thallium   | 205-1 | 0.31      | 0.30      | 0.31      | 0.31       | 1.55    | ppb   |
| Thorium    | 232-1 | 0.33      | 0.28      | 0.29      | 0.30       | 7.90    | ppb   |
| Tin        | 118-1 | 1.30      | 1.29      | 1.29      | 1.29       | 0.37    | ppb   |
| Titanium   | 47-1  | 2.41      | 2.68      | 2.63      | 2.58       | 5.53    | ppb   |
| Uranium    | 238-1 | 0.22      | 0.22      | 0.24      | 0.23       | 4.83    | ppb   |
| Vanadium   | 51-2  | 0.41      | 0.36      | 0.39      | 0.39       | 6.06    | ppb   |
| Yttrium    | 89-1  |           |           |           | 91         |         | %     |
| Yttrium    | 89-2  |           |           |           | 91         |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:29:48 | DataFile Name :   | 016CALS_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 13.85   | 14.50   | 14.37   | 14.24      | 2.40    | ppb   |
| Zirconium | 90-1 | 0.50    | 0.49    | 0.51    | 0.50       | 2.19    | ppb   |
| Zirconium | 91-1 | 0.50    | 0.54    | 0.43    | 0.49       | 11.88   | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:34:34 | DataFile Name :   | 017ICV01_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 494.88  | 510.79  | 512.12  | 505.93     | 1.90    | ppb   |
| Antimony   | 121-1 | 203.28  | 203.92  | 203.13  | 203.44     | 0.21    | ppb   |
| Arsenic    | 75-2  | 202.08  | 208.27  | 203.81  | 204.72     | 1.56    | ppb   |
| Barium     | 135-1 | 100.82  | 99.98   | 101.69  | 100.83     | 0.85    | ppb   |
| Barium     | 137-1 | 101.85  | 101.26  | 102.52  | 101.88     | 0.62    | ppb   |
| Beryllium  | 9-1   | 101.58  | 101.69  | 101.33  | 101.54     | 0.18    | ppb   |
| Bismuth    | 209-1 |         |         |         | 106        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | 502.95  | 504.77  | 505.89  | 504.54     | 0.29    | ppb   |
| Boron      | 11-1  | 500.10  | 504.51  | 511.26  | 505.29     | 1.11    | ppb   |
| Cadmium    | 111-1 | 108.91  | 107.58  | 108.61  | 108.37     | 0.65    | ppb   |
| Cadmium    | 106-1 | 180.28  | 171.51  | 176.26  | 176.02     | 2.49    | ppb   |
| Cadmium    | 108-1 | 141.47  | 139.34  | 139.76  | 140.19     | 0.80    | ppb   |
| Calcium    | 43-1  | 2330.18 | 2281.02 | 2331.03 | 2314.08    | 1.24    | ppb   |
| Calcium    | 44-1  | 2129.44 | 2130.84 | 2133.98 | 2131.42    | 0.11    | ppb   |
| Chromium   | 52-2  | 95.67   | 96.87   | 96.84   | 96.46      | 0.71    | ppb   |
| Cobalt     | 59-2  | 99.97   | 101.13  | 101.14  | 100.75     | 0.67    | ppb   |
| Copper     | 63-2  | 101.03  | 102.49  | 101.57  | 101.70     | 0.72    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 108        |         | %     |
| Holmium    | 165-2 |         |         |         | 103        |         | %     |
| Indium     | 115-1 |         |         |         | 104        |         | %     |
| Indium     | 115-2 |         |         |         | 102        |         | %     |
| Iron       | 56-2  | 1011.94 | 1035.56 | 1041.61 | 1029.70    | 1.52    | ppb   |
| Iron       | 57-2  | 1049.60 | 1059.74 | 1079.46 | 1062.93    | 1.43    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 190.51  | 191.11  | 189.76  | 190.46     | 0.35    | ppb   |
| Lead       | 207-1 | 182.92  | 182.95  | 183.75  | 183.21     | 0.26    | ppb   |
| Lead       | 208-1 | 185.85  | 187.15  | 187.10  | 186.70     | 0.40    | ppb   |
| Lithium    | 6-1   |         |         |         | 111        |         | %     |
| Magnesium  | 24-2  | 1154.50 | 1159.58 | 1163.17 | 1159.08    | 0.38    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:34:34 | DataFile Name :   | 017ICV01_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 94.67   | 97.85   | 96.40   | 96.31      | 1.66    | ppb   |
| Molybdenum | 94-1  | 1047.55 | 1033.42 | 1048.11 | 1043.02    | 0.80    | ppb   |
| Molybdenum | 95-1  | 424.59  | 420.35  | 423.92  | 422.95     | 0.54    | ppb   |
| Molybdenum | 96-1  | 501.26  | 498.27  | 503.35  | 500.96     | 0.51    | ppb   |
| Molybdenum | 97-1  | 423.94  | 423.61  | 428.68  | 425.41     | 0.67    | ppb   |
| Molybdenum | 98-1  | 424.53  | 423.27  | 425.89  | 424.56     | 0.31    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 100.96  | 103.52  | 103.63  | 102.70     | 1.47    | ppb   |
| Phosphorus | 31-2  | -28.52  | -34.44  | -26.04  | -29.67     |         | ppb   |
| Potassium  | 39-2  | 1875.11 | 1879.09 | 1894.55 | 1882.92    | 0.55    | ppb   |
| Rhodium    | 103-1 |         |         |         | 103        |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 106        |         | %     |
| Scandium   | 45-2  |         |         |         | 106        |         | %     |
| Selenium   | 77-2  | 207.74  | 221.35  | 214.89  | 214.66     | 3.17    | ppb   |
| Selenium   | 78-2  | 214.83  | 217.00  | 209.69  | 213.84     | 1.76    | ppb   |
| Selenium   | 82-1  | 213.44  | 213.46  | 217.32  | 214.74     | 1.04    | ppb   |
| Silicon    | 28-1  | 387.62  | 376.95  | 377.21  | 380.59     | 1.60    | ppb   |
| Silver     | 109-1 | 104.51  | 103.83  | 104.12  | 104.15     | 0.33    | ppb   |
| Silver     | 107-1 | 105.20  | 104.34  | 104.91  | 104.82     | 0.41    | ppb   |
| Sodium     | 23-2  | 1929.46 | 1960.04 | 1960.85 | 1950.12    | 0.92    | ppb   |
| Strontium  | 86-1  | 506.09  | 502.60  | 510.60  | 506.43     | 0.79    | ppb   |
| Strontium  | 88-1  | 498.60  | 493.55  | 497.73  | 496.62     | 0.54    | ppb   |
| Sulfur     | 34-1  | -204.83 | -148.50 | -240.74 | -198.03    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 107        |         | %     |
| Terbium    | 159-2 |         |         |         | 103        |         | %     |
| Thallium   | 203-1 | 189.53  | 192.24  | 192.20  | 191.32     | 0.81    | ppb   |
| Thallium   | 205-1 | 190.82  | 190.97  | 189.58  | 190.46     | 0.40    | ppb   |
| Thorium    | 232-1 | 0.21    | 0.18    | 0.16    | 0.18       | 11.31   | ppb   |
| Tin        | 118-1 | 431.23  | 430.09  | 433.17  | 431.50     | 0.36    | ppb   |
| Titanium   | 47-1  | 423.60  | 423.49  | 423.47  | 423.52     | 0.02    | ppb   |
| Uranium    | 238-1 | 479.74  | 479.64  | 481.58  | 480.32     | 0.23    | ppb   |
| Vanadium   | 51-2  | 94.87   | 95.72   | 95.92   | 95.50      | 0.58    | ppb   |
| Yttrium    | 89-1  |         |         |         | 105        |         | %     |
| Yttrium    | 89-2  |         |         |         | 104        |         | %     |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:34:34 | DataFile Name :   | 017ICV01_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 202.01  | 204.63  | 204.22  | 203.62     | 0.69    | ppb   |
| Zirconium | 90-1 | 490.30  | 482.95  | 493.25  | 488.83     | 1.08    | ppb   |
| Zirconium | 91-1 | 497.45  | 489.90  | 499.57  | 495.64     | 1.03    | ppb   |

|                         |                     |                   |                       |
|-------------------------|---------------------|-------------------|-----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal                |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7                    |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1                     |
| Date & Time Acquired :: | 2018-12-15 15:38:53 | DataFile Name :   | 018LLIC_P7121518-MS.I |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 18.79   | 17.91   | 19.47   | 18.72      | 4.18    | ppb   |
| Antimony   | 121-1 | 2.03    | 2.01    | 2.03    | 2.02       | 0.58    | ppb   |
| Arsenic    | 75-2  | 1.02    | 0.98    | 0.96    | 0.99       | 3.05    | ppb   |
| Barium     | 135-1 | 9.61    | 9.48    | 9.68    | 9.59       | 1.08    | ppb   |
| Barium     | 137-1 | 9.56    | 9.63    | 9.69    | 9.63       | 0.67    | ppb   |
| Beryllium  | 9-1   | 0.98    | 1.01    | 1.09    | 1.03       | 5.57    | ppb   |
| Bismuth    | 209-1 |         |         |         | 107        |         | %     |
| Bismuth    | 209-2 |         |         |         | 102        |         | %     |
| Boron      | 10-1  | 31.78   | 31.22   | 32.52   | 31.84      | 2.04    | ppb   |
| Boron      | 11-1  | 31.58   | 31.98   | 32.90   | 32.15      | 2.11    | ppb   |
| Cadmium    | 111-1 | 0.96    | 0.92    | 0.97    | 0.95       | 2.68    | ppb   |
| Cadmium    | 106-1 | 0.64    | -0.20   | 1.07    | 0.50       | 127.64  | ppb   |
| Cadmium    | 108-1 | 1.07    | 1.00    | 1.09    | 1.06       | 4.31    | ppb   |
| Calcium    | 43-1  | 443.29  | 452.53  | 465.54  | 453.79     | 2.46    | ppb   |
| Calcium    | 44-1  | 448.81  | 452.92  | 454.01  | 451.91     | 0.61    | ppb   |
| Chromium   | 52-2  | 1.96    | 2.00    | 1.87    | 1.94       | 3.47    | ppb   |
| Cobalt     | 59-2  | 0.98    | 0.99    | 1.03    | 1.00       | 2.80    | ppb   |
| Copper     | 63-2  | 1.98    | 2.00    | 1.91    | 1.97       | 2.33    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 110        |         | %     |
| Holmium    | 165-2 |         |         |         | 104        |         | %     |
| Indium     | 115-1 |         |         |         | 108        |         | %     |
| Indium     | 115-2 |         |         |         | 103        |         | %     |
| Iron       | 56-2  | 53.70   | 55.86   | 53.54   | 54.37      | 2.38    | ppb   |
| Iron       | 57-2  | 55.04   | 59.79   | 56.07   | 56.97      | 4.39    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.89    | 0.89    | 0.88    | 0.89       | 0.81    | ppb   |
| Lead       | 207-1 | 0.86    | 0.84    | 0.91    | 0.87       | 3.90    | ppb   |
| Lead       | 208-1 | 0.88    | 0.87    | 0.90    | 0.88       | 1.69    | ppb   |
| Lithium    | 6-1   |         |         |         | 113        |         | %     |
| Magnesium  | 24-2  | 470.24  | 497.64  | 482.12  | 483.34     | 2.84    | ppb   |

|                         |                     |                   |                       |
|-------------------------|---------------------|-------------------|-----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal                |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7                    |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1                     |
| Date & Time Acquired :: | 2018-12-15 15:38:53 | DataFile Name :   | 018LLIC_P7121518-MS.I |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.98    | 1.04    | 0.96    | 1.00       | 4.35    | ppb   |
| Molybdenum | 94-1  | 4.70    | 4.73    | 4.92    | 4.78       | 2.45    | ppb   |
| Molybdenum | 95-1  | 4.87    | 4.91    | 5.03    | 4.94       | 1.64    | ppb   |
| Molybdenum | 96-1  | 4.88    | 4.83    | 4.81    | 4.84       | 0.68    | ppb   |
| Molybdenum | 97-1  | 4.81    | 4.73    | 4.95    | 4.83       | 2.24    | ppb   |
| Molybdenum | 98-1  | 4.86    | 4.75    | 5.03    | 4.88       | 2.84    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.98    | 1.07    | 1.07    | 1.04       | 4.69    | ppb   |
| Phosphorus | 31-2  | 35.70   | 21.08   | 23.89   | 26.89      | 28.84   | ppb   |
| Potassium  | 39-2  | 466.94  | 478.17  | 465.52  | 470.21     | 1.47    | ppb   |
| Rhodium    | 103-1 |         |         |         | 106        |         | %     |
| Rhodium    | 103-2 |         |         |         | 104        |         | %     |
| Scandium   | 45-1  |         |         |         | 109        |         | %     |
| Scandium   | 45-2  |         |         |         | 106        |         | %     |
| Selenium   | 77-2  | 3.31    | 4.31    | 5.41    | 4.34       | 24.20   | ppb   |
| Selenium   | 78-2  | 5.94    | 6.37    | 5.29    | 5.86       | 9.23    | ppb   |
| Selenium   | 82-1  | 5.18    | 5.18    | 5.36    | 5.24       | 1.98    | ppb   |
| Silicon    | 28-1  | 9.30    | 9.11    | 9.54    | 9.32       | 2.31    | ppb   |
| Silver     | 109-1 | 1.04    | 0.99    | 1.00    | 1.01       | 2.66    | ppb   |
| Silver     | 107-1 | 1.03    | 1.02    | 1.00    | 1.02       | 1.09    | ppb   |
| Sodium     | 23-2  | 498.19  | 509.83  | 491.82  | 499.95     | 1.83    | ppb   |
| Strontium  | 86-1  | 0.86    | 0.89    | 0.92    | 0.89       | 3.36    | ppb   |
| Strontium  | 88-1  | 0.92    | 0.92    | 0.94    | 0.93       | 0.96    | ppb   |
| Sulfur     | 34-1  | -223.58 | -242.86 | -212.40 | -226.28    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 109        |         | %     |
| Terbium    | 159-2 |         |         |         | 104        |         | %     |
| Thallium   | 203-1 | 0.93    | 0.94    | 0.90    | 0.92       | 2.15    | ppb   |
| Thallium   | 205-1 | 0.90    | 0.91    | 0.92    | 0.91       | 1.47    | ppb   |
| Thorium    | 232-1 | 0.81    | 0.82    | 0.80    | 0.81       | 1.10    | ppb   |
| Tin        | 118-1 | 5.06    | 4.85    | 5.02    | 4.97       | 2.25    | ppb   |
| Titanium   | 47-1  | 4.81    | 4.90    | 4.89    | 4.86       | 1.03    | ppb   |
| Uranium    | 238-1 | 0.77    | 0.81    | 0.82    | 0.80       | 2.80    | ppb   |
| Vanadium   | 51-2  | 5.03    | 5.16    | 4.94    | 5.04       | 2.19    | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 104        |         | %     |

|                         |                     |                   |                       |
|-------------------------|---------------------|-------------------|-----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal                |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7                    |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1                     |
| Date & Time Acquired :: | 2018-12-15 15:38:53 | DataFile Name :   | 018LLIC_P7121518-MS.I |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.21    | 2.34    | 2.24    | 2.26       | 2.86    | ppb   |
| Zirconium | 90-1 | 0.92    | 0.90    | 0.91    | 0.91       | 1.12    | ppb   |
| Zirconium | 91-1 | 0.91    | 0.88    | 1.00    | 0.93       | 6.35    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:42:29 | DataFile Name :   | 019CCBE_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.25    | 0.09    | 0.15    | 0.16       | 49.47   | ppb   |
| Antimony   | 121-1 | 0.04    | 0.04    | 0.03    | 0.04       | 4.40    | ppb   |
| Arsenic    | 75-2  | 0.01    | 0.00    | 0.01    | 0.01       | 79.66   | ppb   |
| Barium     | 135-1 | -0.01   | -0.01   | 0.01    | 0.00       |         | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       | 124.50  | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.02    | 0.02    | 0.02       | 12.76   | ppb   |
| Bismuth    | 209-1 |         |         |         | 106        |         | %     |
| Bismuth    | 209-2 |         |         |         | 102        |         | %     |
| Boron      | 10-1  | 7.17    | 8.71    | 7.69    | 7.86       | 9.97    | ppb   |
| Boron      | 11-1  | 8.04    | 8.22    | 7.94    | 8.07       | 1.81    | ppb   |
| Cadmium    | 111-1 | 0.07    | -0.04   | 0.05    | 0.03       | 206.71  | ppb   |
| Cadmium    | 106-1 | 0.85    | -0.69   | 0.54    | 0.23       | 352.01  | ppb   |
| Cadmium    | 108-1 | 0.00    | -0.01   | 0.06    | 0.02       | 236.73  | ppb   |
| Calcium    | 43-1  | 2.04    | 0.20    | 0.36    | 0.87       | 117.47  | ppb   |
| Calcium    | 44-1  | 0.38    | 0.75    | 0.74    | 0.62       | 33.44   | ppb   |
| Chromium   | 52-2  | -0.01   | 0.02    | -0.01   | 0.00       |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 69.03   | ppb   |
| Copper     | 63-2  | 0.00    | 0.00    | 0.01    | 0.00       | 189.12  | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 109        |         | %     |
| Holmium    | 165-2 |         |         |         | 104        |         | %     |
| Indium     | 115-1 |         |         |         | 107        |         | %     |
| Indium     | 115-2 |         |         |         | 103        |         | %     |
| Iron       | 56-2  | 0.32    | 0.27    | 0.23    | 0.28       | 17.18   | ppb   |
| Iron       | 57-2  | -0.12   | 0.86    | 0.92    | 0.55       | 104.80  | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.03    | 0.02    | 0.02    | 0.03       | 17.65   | ppb   |
| Lead       | 207-1 | 0.03    | 0.02    | 0.01    | 0.02       | 36.30   | ppb   |
| Lead       | 208-1 | 0.02    | 0.02    | 0.02    | 0.02       | 20.55   | ppb   |
| Lithium    | 6-1   |         |         |         | 111        |         | %     |
| Magnesium  | 24-2  | 0.81    | 0.58    | 0.76    | 0.71       | 16.77   | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:42:29 | DataFile Name :   | 019CCBE_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.00    | 0.01    | 0.00    | 0.00       | 278.98  | ppb   |
| Molybdenum | 94-1  | 0.08    | 0.04    | 0.07    | 0.06       | 36.08   | ppb   |
| Molybdenum | 95-1  | 0.04    | 0.05    | 0.05    | 0.05       | 8.47    | ppb   |
| Molybdenum | 96-1  | 0.05    | 0.04    | 0.04    | 0.05       | 14.16   | ppb   |
| Molybdenum | 97-1  | 0.08    | 0.05    | 0.05    | 0.06       | 30.40   | ppb   |
| Molybdenum | 98-1  | 0.05    | 0.06    | 0.05    | 0.05       | 9.38    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.01    | 0.02    | -0.02   | 0.00       | 2524.08 | ppb   |
| Phosphorus | 31-2  | -23.08  | -30.74  | -42.51  | -32.11     |         | ppb   |
| Potassium  | 39-2  | 2.78    | 2.70    | 2.24    | 2.57       | 11.34   | ppb   |
| Rhodium    | 103-1 |         |         |         | 106        |         | %     |
| Rhodium    | 103-2 |         |         |         | 105        |         | %     |
| Scandium   | 45-1  |         |         |         | 109        |         | %     |
| Scandium   | 45-2  |         |         |         | 107        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.09   | 0.59    | -0.40   | 0.03       | 1507.02 | ppb   |
| Selenium   | 82-1  | -0.13   | -0.28   | -0.03   | -0.15      |         | ppb   |
| Silicon    | 28-1  | -0.04   | 0.10    | 0.15    | 0.07       | 137.18  | ppb   |
| Silver     | 109-1 | 0.01    | 0.01    | 0.01    | 0.01       | 29.25   | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.00    | 0.00       | 42.89   | ppb   |
| Sodium     | 23-2  | 22.95   | 20.68   | 21.10   | 21.58      | 5.60    | ppb   |
| Strontium  | 86-1  | -0.02   | -0.01   | 0.00    | -0.01      |         | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 39.83   | ppb   |
| Sulfur     | 34-1  | -192.88 | -172.78 | -156.15 | -173.94    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 108        |         | %     |
| Terbium    | 159-2 |         |         |         | 104        |         | %     |
| Thallium   | 203-1 | 0.04    | 0.04    | 0.03    | 0.04       | 8.67    | ppb   |
| Thallium   | 205-1 | 0.03    | 0.04    | 0.04    | 0.03       | 10.55   | ppb   |
| Thorium    | 232-1 | 0.02    | 0.02    | 0.02    | 0.02       | 4.27    | ppb   |
| Tin        | 118-1 | 0.07    | 0.05    | 0.05    | 0.06       | 14.61   | ppb   |
| Titanium   | 47-1  | 0.01    | 0.01    | 0.00    | 0.01       | 104.16  | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | 24.94   | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 943.19  | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 104        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:42:29 | DataFile Name :   | 019CCBE_P7121518-M5 |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.19    | 0.09    | -0.01   | 0.09       | 113.98  | ppb   |
| Zirconium | 90-1 | 0.01    | 0.00    | 0.01    | 0.01       | 46.43   | ppb   |
| Zirconium | 91-1 | 0.01    | 0.01    | 0.02    | 0.02       | 22.58   | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:46:04 | DataFile Name :   | 020ICSA01_P7121518-M |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 90299.32  | 89680.01  | 89227.47  | 89735.60   | 0.60    | ppb   |
| Antimony   | 121-1 | 1.19      | 1.12      | 1.15      | 1.15       | 2.85    | ppb   |
| Arsenic    | 75-2  | 0.30      | 0.39      | 0.30      | 0.33       | 15.46   | ppb   |
| Barium     | 135-1 | 1.47      | 1.43      | 1.54      | 1.48       | 3.77    | ppb   |
| Barium     | 137-1 | 1.46      | 1.47      | 1.49      | 1.47       | 0.83    | ppb   |
| Beryllium  | 9-1   | 0.30      | 0.29      | 0.28      | 0.29       | 2.79    | ppb   |
| Bismuth    | 209-1 |           |           |           | 91         |         | %     |
| Bismuth    | 209-2 |           |           |           | 87         |         | %     |
| Boron      | 10-1  | 7.47      | 7.54      | 7.59      | 7.53       | 0.77    | ppb   |
| Boron      | 11-1  | 7.32      | 7.34      | 7.56      | 7.41       | 1.74    | ppb   |
| Cadmium    | 111-1 | 0.44      | 0.39      | 0.38      | 0.41       | 7.31    | ppb   |
| Cadmium    | 106-1 | -0.45     | -0.91     | -0.82     | -0.73      |         | ppb   |
| Cadmium    | 108-1 | 11.01     | 10.52     | 10.82     | 10.78      | 2.30    | ppb   |
| Calcium    | 43-1  | 93280.52  | 93778.65  | 94302.66  | 93787.28   | 0.54    | ppb   |
| Calcium    | 44-1  | 96543.37  | 96138.78  | 96481.45  | 96387.87   | 0.23    | ppb   |
| Chromium   | 52-2  | 19.64     | 19.71     | 19.59     | 19.65      | 0.29    | ppb   |
| Cobalt     | 59-2  | 1.17      | 1.17      | 1.19      | 1.17       | 1.32    | ppb   |
| Copper     | 63-2  | 7.20      | 7.24      | 7.21      | 7.22       | 0.32    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 104        |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 95         |         | %     |
| Indium     | 115-2 |           |           |           | 92         |         | %     |
| Iron       | 56-2  | 104908.07 | 104197.44 | 103465.57 | 104190.36  | 0.69    | ppb   |
| Iron       | 57-2  | 104399.26 | 103724.44 | 103629.66 | 103917.79  | 0.40    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 4.51      | 4.57      | 4.58      | 4.55       | 0.79    | ppb   |
| Lead       | 207-1 | 4.01      | 3.98      | 3.97      | 3.99       | 0.57    | ppb   |
| Lead       | 208-1 | 4.20      | 4.22      | 4.22      | 4.22       | 0.27    | ppb   |
| Lithium    | 6-1   |           |           |           | 100        |         | %     |
| Magnesium  | 24-2  | 96339.01  | 96240.09  | 96450.87  | 96343.32   | 0.11    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:46:04 | DataFile Name :   | 020ICSA01_P7121518-M |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 7.82     | 7.87     | 7.76     | 7.82       | 0.74    | ppb   |
| Molybdenum | 94-1  | 1327.90  | 1316.63  | 1329.64  | 1324.72    | 0.53    | ppb   |
| Molybdenum | 95-1  | 1925.65  | 1911.66  | 1919.27  | 1918.86    | 0.36    | ppb   |
| Molybdenum | 96-1  | 1856.47  | 1843.36  | 1835.67  | 1845.17    | 0.57    | ppb   |
| Molybdenum | 97-1  | 1931.06  | 1929.94  | 1908.19  | 1923.06    | 0.67    | ppb   |
| Molybdenum | 98-1  | 1916.15  | 1915.15  | 1919.26  | 1916.85    | 0.11    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 5.17     | 5.20     | 5.36     | 5.24       | 1.89    | ppb   |
| Phosphorus | 31-2  | 99398.52 | 98474.25 | 98242.72 | 98705.16   | 0.62    | ppb   |
| Potassium  | 39-2  | 98220.77 | 97252.01 | 97197.31 | 97556.70   | 0.59    | ppb   |
| Rhodium    | 103-1 |          |          |          | 88         |         | %     |
| Rhodium    | 103-2 |          |          |          | 88         |         | %     |
| Scandium   | 45-1  |          |          |          | 96         |         | %     |
| Scandium   | 45-2  |          |          |          | 96         |         | %     |
| Selenium   | 77-2  | 0.33     | 0.00     | 0.33     | 0.22       | 86.61   | ppb   |
| Selenium   | 78-2  | 0.07     | -0.21    | -0.06    | -0.06      |         | ppb   |
| Selenium   | 82-1  | -0.11    | 0.25     | -0.08    | 0.02       | 815.83  | ppb   |
| Silicon    | 28-1  | 21.02    | 21.51    | 22.05    | 21.53      | 2.40    | ppb   |
| Silver     | 109-1 | 0.05     | 0.06     | 0.06     | 0.06       | 11.01   | ppb   |
| Silver     | 107-1 | 0.04     | 0.05     | 0.05     | 0.05       | 11.73   | ppb   |
| Sodium     | 23-2  | 97045.37 | 96840.79 | 97061.12 | 96982.43   | 0.13    | ppb   |
| Strontium  | 86-1  | 33.21    | 33.60    | 33.17    | 33.33      | 0.71    | ppb   |
| Strontium  | 88-1  | 33.09    | 33.04    | 33.25    | 33.13      | 0.34    | ppb   |
| Sulfur     | 34-1  | 88475.38 | 87691.08 | 89360.10 | 88508.85   | 0.94    | ppb   |
| Terbium    | 159-1 |          |          |          | 102        |         | %     |
| Terbium    | 159-2 |          |          |          | 98         |         | %     |
| Thallium   | 203-1 | 0.11     | 0.14     | 0.15     | 0.14       | 15.38   | ppb   |
| Thallium   | 205-1 | 0.12     | 0.14     | 0.15     | 0.14       | 10.77   | ppb   |
| Thorium    | 232-1 | 0.02     | 0.02     | 0.02     | 0.02       | 1.72    | ppb   |
| Tin        | 118-1 | 0.19     | 0.20     | 0.20     | 0.20       | 3.41    | ppb   |
| Titanium   | 47-1  | 1926.81  | 1949.52  | 1955.75  | 1944.03    | 0.78    | ppb   |
| Uranium    | 238-1 | 0.01     | 0.02     | 0.02     | 0.02       | 22.35   | ppb   |
| Vanadium   | 51-2  | 0.14     | 0.16     | 0.16     | 0.15       | 5.05    | ppb   |
| Yttrium    | 89-1  |          |          |          | 97         |         | %     |
| Yttrium    | 89-2  |          |          |          | 95         |         | %     |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:46:04 | DataFile Name :   | 020ICSA01_P7121518-M |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 13.91   | 13.53   | 13.42   | 13.62      | 1.90    | ppb   |
| Zirconium | 90-1 | 0.05    | 0.03    | 0.04    | 0.04       | 29.68   | ppb   |
| Zirconium | 91-1 | 0.06    | 0.04    | 0.03    | 0.04       | 37.31   | ppb   |

LB Number : LB99847 Operator : Jaswal  
 Lab Sample ID : ICSAB01 Instrumnet Name : P7  
 Client Sample ID : ICSAB01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-12-15 15:49:40 DataFile Name : 021ICSB\_P7121518-MS.

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 87574.27  | 88530.47  | 88759.38  | 88288.04   | 0.71    | ppb   |
| Antimony   | 121-1 | 20.87     | 20.02     | 20.92     | 20.60      | 2.44    | ppb   |
| Arsenic    | 75-2  | 19.24     | 19.73     | 19.74     | 19.57      | 1.45    | ppb   |
| Barium     | 135-1 | 21.75     | 20.91     | 21.24     | 21.30      | 1.99    | ppb   |
| Barium     | 137-1 | 22.02     | 21.47     | 21.80     | 21.76      | 1.27    | ppb   |
| Beryllium  | 9-1   | 20.26     | 20.07     | 20.26     | 20.20      | 0.55    | ppb   |
| Bismuth    | 209-1 |           |           |           | 94         |         | %     |
| Bismuth    | 209-2 |           |           |           | 88         |         | %     |
| Boron      | 10-1  | 66.19     | 67.48     | 68.82     | 67.50      | 1.94    | ppb   |
| Boron      | 11-1  | 67.63     | 66.73     | 69.85     | 68.07      | 2.36    | ppb   |
| Cadmium    | 111-1 | 18.80     | 17.88     | 19.03     | 18.57      | 3.30    | ppb   |
| Cadmium    | 106-1 | 14.65     | 12.59     | 14.34     | 13.86      | 8.02    | ppb   |
| Cadmium    | 108-1 | 26.37     | 25.81     | 28.29     | 26.82      | 4.84    | ppb   |
| Calcium    | 43-1  | 94755.71  | 92269.04  | 95460.81  | 94161.85   | 1.78    | ppb   |
| Calcium    | 44-1  | 97308.00  | 94047.88  | 96290.43  | 95882.10   | 1.74    | ppb   |
| Chromium   | 52-2  | 38.52     | 38.63     | 39.08     | 38.74      | 0.77    | ppb   |
| Cobalt     | 59-2  | 20.73     | 20.48     | 21.05     | 20.75      | 1.36    | ppb   |
| Copper     | 63-2  | 26.06     | 25.94     | 26.65     | 26.22      | 1.44    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 107        |         | %     |
| Holmium    | 165-2 |           |           |           | 99         |         | %     |
| Indium     | 115-1 |           |           |           | 98         |         | %     |
| Indium     | 115-2 |           |           |           | 93         |         | %     |
| Iron       | 56-2  | 102349.74 | 103402.28 | 103697.74 | 103149.92  | 0.69    | ppb   |
| Iron       | 57-2  | 102346.26 | 102341.89 | 103168.95 | 102619.03  | 0.46    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 25.16     | 24.43     | 24.93     | 24.84      | 1.50    | ppb   |
| Lead       | 207-1 | 22.93     | 22.39     | 23.03     | 22.78      | 1.51    | ppb   |
| Lead       | 208-1 | 23.79     | 23.19     | 23.87     | 23.62      | 1.59    | ppb   |
| Lithium    | 6-1   |           |           |           | 102        |         | %     |
| Magnesium  | 24-2  | 94002.92  | 94980.01  | 95225.99  | 94736.31   | 0.68    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:49:40 | DataFile Name :   | 021ICSB_P7121518-MS. |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 27.25    | 26.75    | 27.33    | 27.11      | 1.15    | ppb   |
| Molybdenum | 94-1  | 1383.16  | 1333.94  | 1367.83  | 1361.64    | 1.85    | ppb   |
| Molybdenum | 95-1  | 1996.23  | 1932.61  | 1988.42  | 1972.42    | 1.76    | ppb   |
| Molybdenum | 96-1  | 1923.80  | 1873.49  | 1912.61  | 1903.30    | 1.39    | ppb   |
| Molybdenum | 97-1  | 1996.62  | 1931.32  | 1982.21  | 1970.05    | 1.74    | ppb   |
| Molybdenum | 98-1  | 2000.38  | 1924.29  | 1984.21  | 1969.62    | 2.04    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 24.26    | 24.37    | 24.84    | 24.49      | 1.26    | ppb   |
| Phosphorus | 31-2  | 95376.73 | 96892.73 | 98302.57 | 96857.34   | 1.51    | ppb   |
| Potassium  | 39-2  | 95008.16 | 95449.96 | 97053.08 | 95837.07   | 1.12    | ppb   |
| Rhodium    | 103-1 |          |          |          | 91         |         | %     |
| Rhodium    | 103-2 |          |          |          | 89         |         | %     |
| Scandium   | 45-1  |          |          |          | 100        |         | %     |
| Scandium   | 45-2  |          |          |          | 99         |         | %     |
| Selenium   | 77-2  | 20.41    | 20.67    | 17.23    | 19.44      | 9.85    | ppb   |
| Selenium   | 78-2  | 21.54    | 18.23    | 20.17    | 19.98      | 8.33    | ppb   |
| Selenium   | 82-1  | 19.18    | 19.00    | 18.69    | 18.96      | 1.31    | ppb   |
| Silicon    | 28-1  | 75.78    | 72.62    | 75.93    | 74.77      | 2.50    | ppb   |
| Silver     | 109-1 | 18.43    | 18.00    | 18.57    | 18.33      | 1.62    | ppb   |
| Silver     | 107-1 | 18.53    | 17.89    | 18.48    | 18.30      | 1.96    | ppb   |
| Sodium     | 23-2  | 95881.84 | 95891.46 | 96481.05 | 96084.78   | 0.36    | ppb   |
| Strontium  | 86-1  | 33.70    | 33.32    | 33.81    | 33.61      | 0.77    | ppb   |
| Strontium  | 88-1  | 33.89    | 32.91    | 33.29    | 33.37      | 1.48    | ppb   |
| Sulfur     | 34-1  | 89668.45 | 86074.70 | 88226.29 | 87989.81   | 2.06    | ppb   |
| Terbium    | 159-1 |          |          |          | 106        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 20.51    | 19.96    | 20.57    | 20.35      | 1.65    | ppb   |
| Thallium   | 205-1 | 20.67    | 20.12    | 20.71    | 20.50      | 1.61    | ppb   |
| Thorium    | 232-1 | 0.01     | 0.02     | 0.01     | 0.01       | 11.73   | ppb   |
| Tin        | 118-1 | 57.73    | 56.12    | 58.21    | 57.36      | 1.91    | ppb   |
| Titanium   | 47-1  | 2016.15  | 1966.89  | 2008.01  | 1997.02    | 1.32    | ppb   |
| Uranium    | 238-1 | 0.02     | 0.02     | 0.02     | 0.02       | 14.06   | ppb   |
| Vanadium   | 51-2  | 19.29    | 19.80    | 19.70    | 19.59      | 1.38    | ppb   |
| Yttrium    | 89-1  |          |          |          | 100        |         | %     |
| Yttrium    | 89-2  |          |          |          | 97         |         | %     |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:49:40 | DataFile Name :   | 021ICSB_P7121518-MS. |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 28.34   | 27.91   | 28.45   | 28.23      | 1.02    | ppb   |
| Zirconium | 90-1 | 0.03    | 0.03    | 0.03    | 0.03       | 11.00   | ppb   |
| Zirconium | 91-1 | 0.05    | 0.05    | 0.05    | 0.05       | 8.22    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV89               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV89               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:53:16 | DataFile Name :   | 022CCV_P7121518-MS.I |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 51566.71  | 52165.32  | 51981.95  | 51904.66   | 0.59    | ppb   |
| Antimony   | 121-1 | 486.14    | 490.07    | 495.69    | 490.63     | 0.98    | ppb   |
| Arsenic    | 75-2  | 485.11    | 479.29    | 483.29    | 482.56     | 0.62    | ppb   |
| Barium     | 135-1 | 2603.56   | 2582.21   | 2598.94   | 2594.90    | 0.43    | ppb   |
| Barium     | 137-1 | 2624.53   | 2605.67   | 2597.37   | 2609.19    | 0.53    | ppb   |
| Beryllium  | 9-1   | 521.03    | 511.67    | 519.58    | 517.43     | 0.97    | ppb   |
| Bismuth    | 209-1 |           |           |           | 87         |         | %     |
| Bismuth    | 209-2 |           |           |           | 80         |         | %     |
| Boron      | 10-1  | 520.86    | 523.12    | 534.03    | 526.00     | 1.34    | ppb   |
| Boron      | 11-1  | 514.22    | 521.45    | 540.44    | 525.37     | 2.58    | ppb   |
| Cadmium    | 111-1 | 451.19    | 455.36    | 458.90    | 455.15     | 0.85    | ppb   |
| Cadmium    | 106-1 | 464.16    | 467.81    | 467.79    | 466.59     | 0.45    | ppb   |
| Cadmium    | 108-1 | 453.04    | 460.66    | 466.50    | 460.06     | 1.47    | ppb   |
| Calcium    | 43-1  | 246002.48 | 245514.39 | 247848.24 | 246455.04  | 0.50    | ppb   |
| Calcium    | 44-1  | 247622.05 | 247157.89 | 247823.84 | 247534.59  | 0.14    | ppb   |
| Chromium   | 52-2  | 512.86    | 513.14    | 512.14    | 512.71     | 0.10    | ppb   |
| Cobalt     | 59-2  | 482.99    | 490.13    | 488.41    | 487.18     | 0.76    | ppb   |
| Copper     | 63-2  | 969.87    | 978.75    | 969.58    | 972.73     | 0.54    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 104        |         | %     |
| Holmium    | 165-2 |           |           |           | 97         |         | %     |
| Indium     | 115-1 |           |           |           | 93         |         | %     |
| Indium     | 115-2 |           |           |           | 92         |         | %     |
| Iron       | 56-2  | 127346.85 | 128940.73 | 128262.63 | 128183.41  | 0.62    | ppb   |
| Iron       | 57-2  | 127547.81 | 128309.08 | 127512.26 | 127789.72  | 0.35    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 510.02    | 509.78    | 520.53    | 513.44     | 1.19    | ppb   |
| Lead       | 207-1 | 514.83    | 513.26    | 525.39    | 517.83     | 1.27    | ppb   |
| Lead       | 208-1 | 520.56    | 515.58    | 525.36    | 520.50     | 0.94    | ppb   |
| Lithium    | 6-1   |           |           |           | 97         |         | %     |
| Magnesium  | 24-2  | 250438.77 | 255843.49 | 252227.99 | 252836.75  | 1.09    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV89               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV89               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:53:16 | DataFile Name :   | 022CCV_P7121518-MS.I |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 987.82    | 996.39    | 991.31    | 991.84     | 0.43    | ppb   |
| Molybdenum | 94-1  | 2578.89   | 2541.42   | 2595.83   | 2572.05    | 1.08    | ppb   |
| Molybdenum | 95-1  | 2563.42   | 2546.12   | 2590.44   | 2566.66    | 0.87    | ppb   |
| Molybdenum | 96-1  | 2575.55   | 2541.24   | 2589.72   | 2568.83    | 0.97    | ppb   |
| Molybdenum | 97-1  | 2580.62   | 2534.17   | 2585.81   | 2566.87    | 1.11    | ppb   |
| Molybdenum | 98-1  | 2558.51   | 2528.11   | 2584.40   | 2557.00    | 1.10    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 478.86    | 486.04    | 480.31    | 481.73     | 0.79    | ppb   |
| Phosphorus | 31-2  | 9938.32   | 10317.19  | 10103.57  | 10119.70   | 1.88    | ppb   |
| Potassium  | 39-2  | 123640.76 | 125306.84 | 124046.83 | 124331.47  | 0.70    | ppb   |
| Rhodium    | 103-1 |           |           |           | 86         |         | %     |
| Rhodium    | 103-2 |           |           |           | 86         |         | %     |
| Scandium   | 45-1  |           |           |           | 98         |         | %     |
| Scandium   | 45-2  |           |           |           | 102        |         | %     |
| Selenium   | 77-2  | 503.99    | 497.15    | 505.48    | 502.21     | 0.88    | ppb   |
| Selenium   | 78-2  | 502.43    | 502.54    | 504.70    | 503.22     | 0.25    | ppb   |
| Selenium   | 82-1  | 493.10    | 493.92    | 505.11    | 497.38     | 1.35    | ppb   |
| Silicon    | 28-1  | 532.71    | 540.99    | 556.17    | 543.29     | 2.19    | ppb   |
| Silver     | 109-1 | 473.47    | 469.18    | 474.51    | 472.39     | 0.60    | ppb   |
| Silver     | 107-1 | 471.54    | 470.40    | 474.25    | 472.06     | 0.42    | ppb   |
| Sodium     | 23-2  | 245078.96 | 247695.63 | 243642.09 | 245472.23  | 0.84    | ppb   |
| Strontium  | 86-1  | 515.23    | 516.84    | 521.95    | 518.01     | 0.68    | ppb   |
| Strontium  | 88-1  | 515.36    | 512.43    | 516.39    | 514.73     | 0.40    | ppb   |
| Sulfur     | 34-1  | 9608.03   | 9676.12   | 9757.39   | 9680.51    | 0.77    | ppb   |
| Terbium    | 159-1 |           |           |           | 102        |         | %     |
| Terbium    | 159-2 |           |           |           | 96         |         | %     |
| Thallium   | 203-1 | 531.07    | 530.48    | 537.43    | 532.99     | 0.72    | ppb   |
| Thallium   | 205-1 | 535.02    | 525.49    | 530.33    | 530.28     | 0.90    | ppb   |
| Thorium    | 232-1 | 541.00    | 535.03    | 539.07    | 538.37     | 0.57    | ppb   |
| Tin        | 118-1 | 496.33    | 497.64    | 509.42    | 501.13     | 1.44    | ppb   |
| Titanium   | 47-1  | 2563.91   | 2549.47   | 2597.40   | 2570.26    | 0.96    | ppb   |
| Uranium    | 238-1 | 540.51    | 530.41    | 538.53    | 536.48     | 1.00    | ppb   |
| Vanadium   | 51-2  | 505.45    | 511.07    | 505.58    | 507.37     | 0.63    | ppb   |
| Yttrium    | 89-1  |           |           |           | 98         |         | %     |
| Yttrium    | 89-2  |           |           |           | 98         |         | %     |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV89               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV89               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:53:16 | DataFile Name :   | 022CCV_P7121518-MS.I |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 971.79  | 983.58  | 982.24  | 979.20     | 0.66    | ppb   |
| Zirconium | 90-1 | 515.88  | 511.83  | 522.46  | 516.72     | 1.04    | ppb   |
| Zirconium | 91-1 | 515.01  | 514.70  | 530.72  | 520.15     | 1.76    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB89               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB89               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:57:42 | DataFile Name :   | 023CCBE_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1.07    | 1.33    | 0.77    | 1.06       | 26.69   | ppb   |
| Antimony   | 121-1 | 0.13    | 0.13    | 0.11    | 0.13       | 8.94    | ppb   |
| Arsenic    | 75-2  | 0.03    | 0.04    | 0.02    | 0.03       | 35.48   | ppb   |
| Barium     | 135-1 | 0.06    | 0.06    | 0.04    | 0.05       | 14.87   | ppb   |
| Barium     | 137-1 | 0.06    | 0.03    | 0.03    | 0.04       | 40.31   | ppb   |
| Beryllium  | 9-1   | 0.03    | 0.04    | 0.04    | 0.04       | 5.33    | ppb   |
| Bismuth    | 209-1 |         |         |         | 108        |         | %     |
| Bismuth    | 209-2 |         |         |         | 102        |         | %     |
| Boron      | 10-1  | 13.91   | 13.40   | 13.14   | 13.49      | 2.89    | ppb   |
| Boron      | 11-1  | 14.65   | 13.38   | 13.25   | 13.76      | 5.61    | ppb   |
| Cadmium    | 111-1 | 0.03    | 0.02    | 0.03    | 0.03       | 17.30   | ppb   |
| Cadmium    | 106-1 | 0.04    | -0.07   | 0.03    | 0.00       |         | ppb   |
| Cadmium    | 108-1 | 0.08    | 0.02    | 0.05    | 0.05       | 65.45   | ppb   |
| Calcium    | 43-1  | 4.69    | 2.36    | 3.65    | 3.56       | 32.74   | ppb   |
| Calcium    | 44-1  | 4.66    | 4.31    | 4.19    | 4.39       | 5.56    | ppb   |
| Chromium   | 52-2  | 0.01    | 0.02    | 0.05    | 0.03       | 72.70   | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 151.85  | ppb   |
| Copper     | 63-2  | 0.05    | 0.03    | 0.04    | 0.04       | 17.82   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 111        |         | %     |
| Holmium    | 165-2 |         |         |         | 105        |         | %     |
| Indium     | 115-1 |         |         |         | 109        |         | %     |
| Indium     | 115-2 |         |         |         | 104        |         | %     |
| Iron       | 56-2  | 2.81    | 2.70    | 2.70    | 2.74       | 2.30    | ppb   |
| Iron       | 57-2  | 3.67    | 2.76    | 2.85    | 3.09       | 16.20   | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.05    | 0.05    | 0.04    | 0.05       | 11.39   | ppb   |
| Lead       | 207-1 | 0.04    | 0.05    | 0.06    | 0.05       | 15.36   | ppb   |
| Lead       | 208-1 | 0.05    | 0.05    | 0.04    | 0.05       | 9.89    | ppb   |
| Lithium    | 6-1   |         |         |         | 114        |         | %     |
| Magnesium  | 24-2  | 4.41    | 4.07    | 4.45    | 4.31       | 4.83    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB89               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB89               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:57:42 | DataFile Name :   | 023CCBE_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.01    | 0.02    | 0.01    | 0.01       | 46.11   | ppb   |
| Molybdenum | 94-1  | 0.33    | 0.28    | 0.28    | 0.30       | 10.00   | ppb   |
| Molybdenum | 95-1  | 0.32    | 0.34    | 0.27    | 0.31       | 11.95   | ppb   |
| Molybdenum | 96-1  | 0.32    | 0.34    | 0.28    | 0.31       | 10.16   | ppb   |
| Molybdenum | 97-1  | 0.30    | 0.28    | 0.31    | 0.30       | 6.66    | ppb   |
| Molybdenum | 98-1  | 0.32    | 0.32    | 0.31    | 0.32       | 2.51    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.01    | -0.01   | 0.00    | 0.00       | 3918.32 | ppb   |
| Phosphorus | 31-2  | -36.37  | -37.49  | -31.01  | -34.95     |         | ppb   |
| Potassium  | 39-2  | 12.31   | 10.97   | 9.33    | 10.87      | 13.75   | ppb   |
| Rhodium    | 103-1 |         |         |         | 107        |         | %     |
| Rhodium    | 103-2 |         |         |         | 106        |         | %     |
| Scandium   | 45-1  |         |         |         | 110        |         | %     |
| Scandium   | 45-2  |         |         |         | 108        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.69    | -0.31   | 0.47    | 0.29       | 183.28  | ppb   |
| Selenium   | 82-1  | -0.30   | -0.19   | -0.21   | -0.23      |         | ppb   |
| Silicon    | 28-1  | 1.51    | 1.07    | 0.86    | 1.15       | 28.56   | ppb   |
| Silver     | 109-1 | 0.04    | 0.03    | 0.04    | 0.04       | 10.72   | ppb   |
| Silver     | 107-1 | 0.04    | 0.03    | 0.04    | 0.04       | 13.15   | ppb   |
| Sodium     | 23-2  | 55.95   | 56.03   | 55.69   | 55.89      | 0.32    | ppb   |
| Strontium  | 86-1  | 0.00    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Strontium  | 88-1  | 0.01    | 0.01    | 0.01    | 0.01       | 7.94    | ppb   |
| Sulfur     | 34-1  | -270.38 | -260.63 | -288.33 | -273.11    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 110        |         | %     |
| Terbium    | 159-2 |         |         |         | 105        |         | %     |
| Thallium   | 203-1 | 0.08    | 0.08    | 0.08    | 0.08       | 1.79    | ppb   |
| Thallium   | 205-1 | 0.07    | 0.07    | 0.07    | 0.07       | 3.73    | ppb   |
| Thorium    | 232-1 | 0.08    | 0.07    | 0.07    | 0.07       | 5.04    | ppb   |
| Tin        | 118-1 | 0.11    | 0.09    | 0.09    | 0.10       | 11.12   | ppb   |
| Titanium   | 47-1  | 0.07    | 0.09    | 0.06    | 0.07       | 20.44   | ppb   |
| Uranium    | 238-1 | 0.01    | 0.01    | 0.01    | 0.01       | 11.24   | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.01    | 0.00       | 77.92   | ppb   |
| Yttrium    | 89-1  |         |         |         | 109        |         | %     |
| Yttrium    | 89-2  |         |         |         | 105        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB89               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB89               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:57:42 | DataFile Name :   | 023CCBE_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.03    | 0.00    | 0.11    | 0.05       | 115.47  | ppb   |
| Zirconium | 90-1 | 0.04    | 0.03    | 0.03    | 0.03       | 15.47   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.05    | 0.07    | 0.05       | 45.25   | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                  |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:01:16 | DataFile Name :   | 024LLCC_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 19.09   | 19.07   | 18.03   | 18.73      | 3.23    | ppb   |
| Antimony   | 121-1 | 2.00    | 2.00    | 1.96    | 1.99       | 1.17    | ppb   |
| Arsenic    | 75-2  | 0.93    | 1.09    | 1.07    | 1.03       | 8.30    | ppb   |
| Barium     | 135-1 | 9.97    | 9.92    | 9.97    | 9.95       | 0.31    | ppb   |
| Barium     | 137-1 | 9.77    | 9.95    | 10.03   | 9.92       | 1.36    | ppb   |
| Beryllium  | 9-1   | 0.99    | 1.03    | 1.09    | 1.04       | 4.74    | ppb   |
| Bismuth    | 209-1 |         |         |         | 108        |         | %     |
| Bismuth    | 209-2 |         |         |         | 103        |         | %     |
| Boron      | 10-1  | 30.00   | 29.96   | 31.46   | 30.47      | 2.80    | ppb   |
| Boron      | 11-1  | 29.45   | 29.81   | 31.59   | 30.28      | 3.78    | ppb   |
| Cadmium    | 111-1 | 1.02    | 1.00    | 1.02    | 1.01       | 1.35    | ppb   |
| Cadmium    | 106-1 | 1.49    | 0.98    | 1.20    | 1.22       | 20.90   | ppb   |
| Cadmium    | 108-1 | 1.13    | 0.86    | 0.84    | 0.95       | 17.10   | ppb   |
| Calcium    | 43-1  | 447.20  | 446.20  | 459.82  | 451.07     | 1.68    | ppb   |
| Calcium    | 44-1  | 463.32  | 460.16  | 465.37  | 462.95     | 0.57    | ppb   |
| Chromium   | 52-2  | 1.96    | 1.98    | 1.97    | 1.97       | 0.62    | ppb   |
| Cobalt     | 59-2  | 0.92    | 0.99    | 1.02    | 0.98       | 5.19    | ppb   |
| Copper     | 63-2  | 2.05    | 1.97    | 2.02    | 2.02       | 2.18    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 112        |         | %     |
| Holmium    | 165-2 |         |         |         | 105        |         | %     |
| Indium     | 115-1 |         |         |         | 111        |         | %     |
| Indium     | 115-2 |         |         |         | 105        |         | %     |
| Iron       | 56-2  | 54.73   | 54.55   | 54.51   | 54.60      | 0.22    | ppb   |
| Iron       | 57-2  | 54.69   | 55.65   | 58.37   | 56.24      | 3.40    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.96    | 0.90    | 0.86    | 0.91       | 5.56    | ppb   |
| Lead       | 207-1 | 0.88    | 0.86    | 0.88    | 0.87       | 1.30    | ppb   |
| Lead       | 208-1 | 0.90    | 0.89    | 0.90    | 0.90       | 0.37    | ppb   |
| Lithium    | 6-1   |         |         |         | 116        |         | %     |
| Magnesium  | 24-2  | 483.41  | 480.48  | 487.23  | 483.71     | 0.70    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                  |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:01:16 | DataFile Name :   | 024LLCC_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 1.02    | 0.94    | 0.95    | 0.97       | 4.67    | ppb   |
| Molybdenum | 94-1  | 4.98    | 4.95    | 5.06    | 5.00       | 1.13    | ppb   |
| Molybdenum | 95-1  | 4.83    | 4.88    | 4.90    | 4.87       | 0.66    | ppb   |
| Molybdenum | 96-1  | 5.03    | 4.99    | 4.83    | 4.95       | 2.17    | ppb   |
| Molybdenum | 97-1  | 4.90    | 4.89    | 4.99    | 4.93       | 1.16    | ppb   |
| Molybdenum | 98-1  | 4.89    | 4.96    | 4.85    | 4.90       | 1.12    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.01    | 1.00    | 1.06    | 1.03       | 3.32    | ppb   |
| Phosphorus | 31-2  | 29.34   | 23.87   | 21.45   | 24.89      | 16.25   | ppb   |
| Potassium  | 39-2  | 475.35  | 466.58  | 471.50  | 471.15     | 0.93    | ppb   |
| Rhodium    | 103-1 |         |         |         | 110        |         | %     |
| Rhodium    | 103-2 |         |         |         | 107        |         | %     |
| Scandium   | 45-1  |         |         |         | 113        |         | %     |
| Scandium   | 45-2  |         |         |         | 111        |         | %     |
| Selenium   | 77-2  | 3.84    | 6.49    | 6.13    | 5.49       | 26.26   | ppb   |
| Selenium   | 78-2  | 6.00    | 4.49    | 5.01    | 5.16       | 14.83   | ppb   |
| Selenium   | 82-1  | 5.44    | 5.19    | 5.37    | 5.33       | 2.48    | ppb   |
| Silicon    | 28-1  | 8.45    | 8.14    | 8.44    | 8.34       | 2.09    | ppb   |
| Silver     | 109-1 | 1.07    | 1.08    | 1.16    | 1.10       | 4.41    | ppb   |
| Silver     | 107-1 | 1.05    | 1.07    | 1.06    | 1.06       | 1.37    | ppb   |
| Sodium     | 23-2  | 499.46  | 503.10  | 501.09  | 501.21     | 0.36    | ppb   |
| Strontium  | 86-1  | 0.90    | 0.95    | 0.88    | 0.91       | 3.91    | ppb   |
| Strontium  | 88-1  | 0.91    | 0.92    | 0.91    | 0.91       | 0.99    | ppb   |
| Sulfur     | 34-1  | -152.92 | -169.54 | -165.36 | -162.60    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 112        |         | %     |
| Terbium    | 159-2 |         |         |         | 106        |         | %     |
| Thallium   | 203-1 | 0.90    | 0.90    | 0.93    | 0.91       | 1.88    | ppb   |
| Thallium   | 205-1 | 0.90    | 0.92    | 0.90    | 0.91       | 1.45    | ppb   |
| Thorium    | 232-1 | 0.82    | 0.84    | 0.83    | 0.83       | 1.31    | ppb   |
| Tin        | 118-1 | 5.13    | 5.02    | 5.07    | 5.07       | 1.07    | ppb   |
| Titanium   | 47-1  | 4.95    | 4.95    | 4.89    | 4.93       | 0.71    | ppb   |
| Uranium    | 238-1 | 0.81    | 0.81    | 0.81    | 0.81       | 0.32    | ppb   |
| Vanadium   | 51-2  | 5.09    | 4.95    | 5.03    | 5.02       | 1.40    | ppb   |
| Yttrium    | 89-1  |         |         |         | 112        |         | %     |
| Yttrium    | 89-2  |         |         |         | 107        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                  |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:01:16 | DataFile Name :   | 024LLCC_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1.96    | 1.97    | 2.17    | 2.04       | 5.87    | ppb   |
| Zirconium | 90-1 | 0.93    | 0.97    | 0.96    | 0.95       | 1.96    | ppb   |
| Zirconium | 91-1 | 0.92    | 0.99    | 0.91    | 0.94       | 4.48    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BL          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BL          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:12:36 | DataFile Name :   | 025CCBE_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.43    | 0.23    | 0.03    | 0.23       | 85.97   | ppb   |
| Antimony   | 121-1 | 0.01    | 0.03    | 0.02    | 0.02       | 32.28   | ppb   |
| Arsenic    | 75-2  | 0.00    | 0.01    | 0.00    | 0.00       | 909.43  | ppb   |
| Barium     | 135-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Barium     | 137-1 | 0.01    | 0.00    | -0.01   | 0.00       | 2789.88 | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.02    | 0.02    | 0.02       | 13.34   | ppb   |
| Bismuth    | 209-1 |         |         |         | 105        |         | %     |
| Bismuth    | 209-2 |         |         |         | 103        |         | %     |
| Boron      | 10-1  | 4.00    | 4.56    | 3.99    | 4.19       | 7.81    | ppb   |
| Boron      | 11-1  | 4.22    | 4.29    | 4.08    | 4.20       | 2.50    | ppb   |
| Cadmium    | 111-1 | -0.03   | -0.10   | -0.07   | -0.07      |         | ppb   |
| Cadmium    | 106-1 | -0.47   | -1.54   | -1.05   | -1.02      |         | ppb   |
| Cadmium    | 108-1 | 0.03    | 0.00    | 0.00    | 0.01       | 151.79  | ppb   |
| Calcium    | 43-1  | 1.17    | 0.27    | 1.87    | 1.11       | 72.39   | ppb   |
| Calcium    | 44-1  | -0.30   | -0.07   | 0.17    | -0.07      |         | ppb   |
| Chromium   | 52-2  | 0.03    | 0.01    | 0.00    | 0.02       | 88.92   | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Copper     | 63-2  | 0.01    | 0.00    | 0.01    | 0.01       | 69.12   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 110        |         | %     |
| Holmium    | 165-2 |         |         |         | 106        |         | %     |
| Indium     | 115-1 |         |         |         | 111        |         | %     |
| Indium     | 115-2 |         |         |         | 106        |         | %     |
| Iron       | 56-2  | 0.32    | 0.41    | 0.23    | 0.32       | 27.71   | ppb   |
| Iron       | 57-2  | 0.61    | 0.21    | 0.15    | 0.32       | 75.67   | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.02    | 0.03    | 0.02    | 0.02       | 18.54   | ppb   |
| Lead       | 207-1 | 0.02    | 0.02    | 0.02    | 0.02       | 3.55    | ppb   |
| Lead       | 208-1 | 0.02    | 0.02    | 0.02    | 0.02       | 10.12   | ppb   |
| Lithium    | 6-1   |         |         |         | 112        |         | %     |
| Magnesium  | 24-2  | 0.41    | 0.65    | 0.63    | 0.56       | 23.45   | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BL          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BL          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:12:36 | DataFile Name :   | 025CCBE_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.00    | 0.01    | 0.00    | 0.01       | 59.29   | ppb   |
| Molybdenum | 94-1  | 0.04    | 0.06    | 0.01    | 0.04       | 62.67   | ppb   |
| Molybdenum | 95-1  | 0.03    | 0.02    | 0.02    | 0.02       | 25.00   | ppb   |
| Molybdenum | 96-1  | 0.02    | 0.03    | 0.03    | 0.02       | 12.18   | ppb   |
| Molybdenum | 97-1  | 0.03    | 0.03    | 0.04    | 0.03       | 16.10   | ppb   |
| Molybdenum | 98-1  | 0.03    | 0.03    | 0.03    | 0.03       | 8.52    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.01    | 0.01    | 0.00    | 0.01       | 58.23   | ppb   |
| Phosphorus | 31-2  | -33.45  | -26.23  | -35.25  | -31.64     |         | ppb   |
| Potassium  | 39-2  | 2.57    | 2.61    | 4.99    | 3.39       | 41.02   | ppb   |
| Rhodium    | 103-1 |         |         |         | 111        |         | %     |
| Rhodium    | 103-2 |         |         |         | 110        |         | %     |
| Scandium   | 45-1  |         |         |         | 113        |         | %     |
| Scandium   | 45-2  |         |         |         | 113        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.49    | 0.34    | 0.05    | 0.29       | 77.37   | ppb   |
| Selenium   | 82-1  | -0.37   | -0.14   | -0.11   | -0.20      |         | ppb   |
| Silicon    | 28-1  | -0.58   | -0.26   | -0.47   | -0.44      |         | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.01    | 0.00       | 21.88   | ppb   |
| Silver     | 107-1 | 0.01    | 0.00    | 0.01    | 0.01       | 68.87   | ppb   |
| Sodium     | 23-2  | 11.46   | 11.51   | 11.30   | 11.42      | 0.95    | ppb   |
| Strontium  | 86-1  | -0.01   | -0.01   | 0.01    | 0.00       |         | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 102.41  | ppb   |
| Sulfur     | 34-1  | -27.29  | 35.70   | -61.73  | -17.77     |         | ppb   |
| Terbium    | 159-1 |         |         |         | 110        |         | %     |
| Terbium    | 159-2 |         |         |         | 107        |         | %     |
| Thallium   | 203-1 | 0.02    | 0.02    | 0.02    | 0.02       | 6.48    | ppb   |
| Thallium   | 205-1 | 0.02    | 0.02    | 0.02    | 0.02       | 5.43    | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01    | 0.01    | 0.01       | 9.62    | ppb   |
| Tin        | 118-1 | 0.03    | 0.02    | 0.03    | 0.03       | 19.54   | ppb   |
| Titanium   | 47-1  | 0.01    | 0.00    | 0.01    | 0.01       | 79.85   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | 208.47  | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 1766.93 | ppb   |
| Yttrium    | 89-1  |         |         |         | 112        |         | %     |
| Yttrium    | 89-2  |         |         |         | 108        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BL          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BL          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:12:36 | DataFile Name :   | 025CCBE_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.06   | 0.02    | 0.09    | 0.02       | 467.65  | ppb   |
| Zirconium | 90-1 | 0.00    | 0.00    | 0.00    | 0.00       | 40.77   | ppb   |
| Zirconium | 91-1 | 0.01    | 0.01    | 0.02    | 0.01       | 43.84   | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BS          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BS          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:16:11 | DataFile Name :   | 026LCS6_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9678.56  | 9704.23  | 9627.18  | 9669.99    | 0.41    | ppb   |
| Antimony   | 121-1 | 520.62   | 514.40   | 515.03   | 516.68     | 0.66    | ppb   |
| Arsenic    | 75-2  | 523.85   | 521.13   | 521.61   | 522.19     | 0.28    | ppb   |
| Barium     | 135-1 | 2566.87  | 2539.52  | 2542.00  | 2549.46    | 0.59    | ppb   |
| Barium     | 137-1 | 2577.67  | 2582.03  | 2569.41  | 2576.37    | 0.25    | ppb   |
| Beryllium  | 9-1   | 522.37   | 519.38   | 517.23   | 519.66     | 0.50    | ppb   |
| Bismuth    | 209-1 |          |          |          | 99         |         | %     |
| Bismuth    | 209-2 |          |          |          | 91         |         | %     |
| Boron      | 10-1  | 500.39   | 514.62   | 526.99   | 514.00     | 2.59    | ppb   |
| Boron      | 11-1  | 497.08   | 518.98   | 529.32   | 515.13     | 3.20    | ppb   |
| Cadmium    | 111-1 | 491.40   | 497.41   | 497.94   | 495.58     | 0.73    | ppb   |
| Cadmium    | 106-1 | 495.72   | 499.88   | 495.91   | 497.17     | 0.47    | ppb   |
| Cadmium    | 108-1 | 499.08   | 494.58   | 495.96   | 496.54     | 0.46    | ppb   |
| Calcium    | 43-1  | 49122.19 | 49844.82 | 49456.76 | 49474.59   | 0.73    | ppb   |
| Calcium    | 44-1  | 49373.61 | 49702.43 | 49600.46 | 49558.83   | 0.34    | ppb   |
| Chromium   | 52-2  | 502.90   | 498.95   | 499.82   | 500.56     | 0.42    | ppb   |
| Cobalt     | 59-2  | 504.35   | 500.82   | 503.28   | 502.82     | 0.36    | ppb   |
| Copper     | 63-2  | 979.01   | 978.01   | 985.37   | 980.80     | 0.41    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 108        |         | %     |
| Holmium    | 165-2 |          |          |          | 100        |         | %     |
| Indium     | 115-1 |          |          |          | 101        |         | %     |
| Indium     | 115-2 |          |          |          | 96         |         | %     |
| Iron       | 56-2  | 26592.89 | 26400.89 | 26271.65 | 26421.81   | 0.61    | ppb   |
| Iron       | 57-2  | 26449.30 | 26273.75 | 26388.41 | 26370.49   | 0.34    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 501.59   | 503.72   | 496.47   | 500.59     | 0.74    | ppb   |
| Lead       | 207-1 | 476.73   | 482.84   | 484.38   | 481.32     | 0.84    | ppb   |
| Lead       | 208-1 | 496.51   | 497.01   | 494.05   | 495.86     | 0.32    | ppb   |
| Lithium    | 6-1   |          |          |          | 108        |         | %     |
| Magnesium  | 24-2  | 51740.59 | 51136.25 | 50876.83 | 51251.23   | 0.86    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BS          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BS          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:16:11 | DataFile Name :   | 026LCS6_P7121518-MS |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1005.77  | 999.91   | 1000.65  | 1002.11    | 0.32    | ppb   |
| Molybdenum | 94-1  | 2499.34  | 2530.32  | 2510.37  | 2513.34    | 0.62    | ppb   |
| Molybdenum | 95-1  | 2506.80  | 2516.80  | 2512.82  | 2512.14    | 0.20    | ppb   |
| Molybdenum | 96-1  | 2495.62  | 2513.36  | 2516.75  | 2508.57    | 0.45    | ppb   |
| Molybdenum | 97-1  | 2502.35  | 2514.78  | 2516.27  | 2511.13    | 0.30    | ppb   |
| Molybdenum | 98-1  | 2496.90  | 2504.95  | 2501.19  | 2501.01    | 0.16    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 508.62   | 507.80   | 510.30   | 508.91     | 0.25    | ppb   |
| Phosphorus | 31-2  | 10331.47 | 10373.88 | 10267.80 | 10324.38   | 0.52    | ppb   |
| Potassium  | 39-2  | 24515.78 | 24354.59 | 24271.98 | 24380.78   | 0.51    | ppb   |
| Rhodium    | 103-1 |          |          |          | 97         |         | %     |
| Rhodium    | 103-2 |          |          |          | 95         |         | %     |
| Scandium   | 45-1  |          |          |          | 104        |         | %     |
| Scandium   | 45-2  |          |          |          | 101        |         | %     |
| Selenium   | 77-2  | 533.09   | 520.79   | 513.97   | 522.62     | 1.85    | ppb   |
| Selenium   | 78-2  | 537.21   | 515.57   | 512.76   | 521.85     | 2.56    | ppb   |
| Selenium   | 82-1  | 516.17   | 517.15   | 519.71   | 517.68     | 0.35    | ppb   |
| Silicon    | 28-1  | 550.68   | 574.87   | 569.77   | 565.11     | 2.26    | ppb   |
| Silver     | 109-1 | 519.23   | 516.28   | 513.98   | 516.49     | 0.51    | ppb   |
| Silver     | 107-1 | 524.43   | 516.62   | 510.01   | 517.02     | 1.40    | ppb   |
| Sodium     | 23-2  | 49185.81 | 48490.48 | 48736.67 | 48804.32   | 0.72    | ppb   |
| Strontium  | 86-1  | 496.86   | 508.61   | 507.08   | 504.18     | 1.27    | ppb   |
| Strontium  | 88-1  | 502.71   | 505.47   | 500.79   | 502.99     | 0.47    | ppb   |
| Sulfur     | 34-1  | 9703.01  | 9990.33  | 9820.25  | 9837.86    | 1.47    | ppb   |
| Terbium    | 159-1 |          |          |          | 107        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 497.24   | 494.57   | 492.51   | 494.78     | 0.48    | ppb   |
| Thallium   | 205-1 | 496.48   | 494.70   | 487.65   | 492.94     | 0.95    | ppb   |
| Thorium    | 232-1 | 480.87   | 476.59   | 482.39   | 479.95     | 0.63    | ppb   |
| Tin        | 118-1 | 519.68   | 517.87   | 513.57   | 517.04     | 0.61    | ppb   |
| Titanium   | 47-1  | 2499.70  | 2516.75  | 2497.91  | 2504.79    | 0.42    | ppb   |
| Uranium    | 238-1 | 479.43   | 476.98   | 477.45   | 477.95     | 0.27    | ppb   |
| Vanadium   | 51-2  | 498.48   | 500.43   | 498.10   | 499.01     | 0.25    | ppb   |
| Yttrium    | 89-1  |          |          |          | 103        |         | %     |
| Yttrium    | 89-2  |          |          |          | 99         |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BS          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BS          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:16:11 | DataFile Name :   | 026LCS6_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 986.60  | 978.03  | 983.47  | 982.70     | 0.44    | ppb   |
| Zirconium | 90-1 | 503.45  | 501.82  | 498.04  | 501.10     | 0.55    | ppb   |
| Zirconium | 91-1 | 496.17  | 503.29  | 504.87  | 501.44     | 0.92    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-03DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0641DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:19:45 | DataFile Name :   | 027SMPL_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 23.06   | 22.58   | 21.84   | 22.49      | 2.72    | ppb   |
| Antimony   | 121-1 | 0.62    | 0.58    | 0.56    | 0.59       | 5.32    | ppb   |
| Arsenic    | 75-2  | 2.18    | 2.15    | 2.32    | 2.22       | 4.26    | ppb   |
| Barium     | 135-1 | 5.75    | 5.46    | 5.67    | 5.63       | 2.67    | ppb   |
| Barium     | 137-1 | 5.66    | 5.59    | 5.70    | 5.65       | 1.00    | ppb   |
| Beryllium  | 9-1   | 0.11    | 0.08    | 0.09    | 0.09       | 18.81   | ppb   |
| Bismuth    | 209-1 |         |         |         | 103        |         | %     |
| Bismuth    | 209-2 |         |         |         | 98         |         | %     |
| Boron      | 10-1  | 23.79   | 22.04   | 21.22   | 22.35      | 5.87    | ppb   |
| Boron      | 11-1  | 23.09   | 21.53   | 20.02   | 21.55      | 7.11    | ppb   |
| Cadmium    | 111-1 | 0.05    | 0.00    | 0.12    | 0.06       | 99.94   | ppb   |
| Cadmium    | 106-1 | -0.77   | -0.84   | 0.52    | -0.36      |         | ppb   |
| Cadmium    | 108-1 | 0.00    | 0.14    | 0.11    | 0.09       | 85.15   | ppb   |
| Calcium    | 43-1  | 5980.03 | 5821.85 | 5884.82 | 5895.57    | 1.35    | ppb   |
| Calcium    | 44-1  | 5934.05 | 5881.98 | 5921.30 | 5912.44    | 0.46    | ppb   |
| Chromium   | 52-2  | 0.28    | 0.30    | 0.32    | 0.30       | 6.58    | ppb   |
| Cobalt     | 59-2  | 1.67    | 1.67    | 1.67    | 1.67       | 0.01    | ppb   |
| Copper     | 63-2  | 0.33    | 0.36    | 0.36    | 0.35       | 5.30    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 106        |         | %     |
| Holmium    | 165-2 |         |         |         | 101        |         | %     |
| Indium     | 115-1 |         |         |         | 104        |         | %     |
| Indium     | 115-2 |         |         |         | 101        |         | %     |
| Iron       | 56-2  | 3187.25 | 3178.18 | 3166.47 | 3177.30    | 0.33    | ppb   |
| Iron       | 57-2  | 3130.86 | 3150.04 | 3138.91 | 3139.94    | 0.31    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.16    | 0.14    | 0.16    | 0.15       | 8.06    | ppb   |
| Lead       | 207-1 | 0.16    | 0.16    | 0.16    | 0.16       | 3.03    | ppb   |
| Lead       | 208-1 | 0.15    | 0.15    | 0.15    | 0.15       | 0.60    | ppb   |
| Lithium    | 6-1   |         |         |         | 111        |         | %     |
| Magnesium  | 24-2  | 804.99  | 798.11  | 814.36  | 805.82     | 1.01    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-03DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0641DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:19:45 | DataFile Name :   | 027SMPL_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 1325.98 | 1333.40 | 1320.91 | 1326.76    | 0.47    | ppb   |
| Molybdenum | 94-1  | 0.85    | 0.76    | 0.67    | 0.76       | 11.71   | ppb   |
| Molybdenum | 95-1  | 1.05    | 0.90    | 0.89    | 0.95       | 9.53    | ppb   |
| Molybdenum | 96-1  | 0.96    | 0.88    | 0.84    | 0.89       | 7.26    | ppb   |
| Molybdenum | 97-1  | 0.94    | 0.96    | 0.81    | 0.91       | 8.90    | ppb   |
| Molybdenum | 98-1  | 0.98    | 0.89    | 0.85    | 0.91       | 7.25    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.95    | 1.05    | 0.96    | 0.99       | 5.40    | ppb   |
| Phosphorus | 31-2  | -22.70  | -24.91  | -21.63  | -23.08     |         | ppb   |
| Potassium  | 39-2  | 471.19  | 485.71  | 475.41  | 477.44     | 1.56    | ppb   |
| Rhodium    | 103-1 |         |         |         | 101        |         | %     |
| Rhodium    | 103-2 |         |         |         | 100        |         | %     |
| Scandium   | 45-1  |         |         |         | 104        |         | %     |
| Scandium   | 45-2  |         |         |         | 103        |         | %     |
| Selenium   | 77-2  | 0.31    | 0.00    | 0.00    | 0.10       | 173.21  | ppb   |
| Selenium   | 78-2  | 0.04    | 0.17    | 0.18    | 0.13       | 62.87   | ppb   |
| Selenium   | 82-1  | -0.04   | -0.56   | -0.32   | -0.31      |         | ppb   |
| Silicon    | 28-1  | 592.31  | 584.75  | 586.80  | 587.95     | 0.66    | ppb   |
| Silver     | 109-1 | 0.16    | 0.18    | 0.19    | 0.18       | 8.45    | ppb   |
| Silver     | 107-1 | 0.15    | 0.17    | 0.17    | 0.16       | 9.35    | ppb   |
| Sodium     | 23-2  | 3305.76 | 3308.33 | 3310.97 | 3308.35    | 0.08    | ppb   |
| Strontium  | 86-1  | 20.89   | 20.94   | 20.75   | 20.86      | 0.47    | ppb   |
| Strontium  | 88-1  | 20.83   | 20.74   | 20.68   | 20.75      | 0.37    | ppb   |
| Sulfur     | 34-1  | 2082.18 | 2049.01 | 2049.08 | 2060.09    | 0.93    | ppb   |
| Terbium    | 159-1 |         |         |         | 106        |         | %     |
| Terbium    | 159-2 |         |         |         | 102        |         | %     |
| Thallium   | 203-1 | 0.24    | 0.27    | 0.25    | 0.25       | 6.52    | ppb   |
| Thallium   | 205-1 | 0.23    | 0.25    | 0.26    | 0.25       | 6.27    | ppb   |
| Thorium    | 232-1 | 0.10    | 0.09    | 0.09    | 0.10       | 6.81    | ppb   |
| Tin        | 118-1 | 0.16    | 0.17    | 0.15    | 0.16       | 8.28    | ppb   |
| Titanium   | 47-1  | 1.18    | 1.03    | 1.17    | 1.13       | 7.54    | ppb   |
| Uranium    | 238-1 | 0.06    | 0.05    | 0.05    | 0.05       | 6.89    | ppb   |
| Vanadium   | 51-2  | 0.24    | 0.27    | 0.26    | 0.26       | 5.45    | ppb   |
| Yttrium    | 89-1  |         |         |         | 104        |         | %     |
| Yttrium    | 89-2  |         |         |         | 102        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-03DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0641DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:19:45 | DataFile Name :   | 027SMPL_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1.83    | 1.78    | 1.98    | 1.86       | 5.61    | ppb   |
| Zirconium | 90-1 | 0.07    | 0.08    | 0.06    | 0.07       | 12.10   | ppb   |
| Zirconium | 91-1 | 0.10    | 0.05    | 0.08    | 0.08       | 33.57   | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-04DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0642DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:23:20 | DataFile Name :   | 028SMPL_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 32.16   | 30.14   | 29.57   | 30.62      | 4.45    | ppb   |
| Antimony   | 121-1 | 0.37    | 0.38    | 0.37    | 0.38       | 1.88    | ppb   |
| Arsenic    | 75-2  | 2.35    | 2.53    | 2.38    | 2.42       | 3.95    | ppb   |
| Barium     | 135-1 | 5.48    | 5.45    | 5.45    | 5.46       | 0.31    | ppb   |
| Barium     | 137-1 | 5.37    | 5.57    | 5.48    | 5.47       | 1.84    | ppb   |
| Beryllium  | 9-1   | 0.03    | 0.04    | 0.03    | 0.03       | 13.15   | ppb   |
| Bismuth    | 209-1 |         |         |         | 103        |         | %     |
| Bismuth    | 209-2 |         |         |         | 98         |         | %     |
| Boron      | 10-1  | 11.06   | 11.46   | 11.36   | 11.29      | 1.85    | ppb   |
| Boron      | 11-1  | 11.30   | 10.85   | 11.15   | 11.10      | 2.08    | ppb   |
| Cadmium    | 111-1 | 0.06    | 0.05    | -0.01   | 0.03       | 112.42  | ppb   |
| Cadmium    | 106-1 | 0.38    | 0.22    | -0.45   | 0.05       | 907.20  | ppb   |
| Cadmium    | 108-1 | 0.11    | -0.01   | 0.03    | 0.04       | 143.60  | ppb   |
| Calcium    | 43-1  | 5772.95 | 5725.49 | 5793.09 | 5763.84    | 0.60    | ppb   |
| Calcium    | 44-1  | 5830.26 | 5757.10 | 5832.22 | 5806.53    | 0.74    | ppb   |
| Chromium   | 52-2  | 0.46    | 0.43    | 0.46    | 0.45       | 4.61    | ppb   |
| Cobalt     | 59-2  | 1.66    | 1.65    | 1.65    | 1.65       | 0.55    | ppb   |
| Copper     | 63-2  | 0.35    | 0.32    | 0.34    | 0.34       | 4.57    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 107        |         | %     |
| Holmium    | 165-2 |         |         |         | 101        |         | %     |
| Indium     | 115-1 |         |         |         | 105        |         | %     |
| Indium     | 115-2 |         |         |         | 101        |         | %     |
| Iron       | 56-2  | 3279.60 | 3264.14 | 3283.67 | 3275.80    | 0.31    | ppb   |
| Iron       | 57-2  | 3241.96 | 3213.11 | 3259.13 | 3238.07    | 0.72    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.11    | 0.10    | 0.11    | 0.11       | 4.65    | ppb   |
| Lead       | 207-1 | 0.10    | 0.11    | 0.10    | 0.10       | 8.47    | ppb   |
| Lead       | 208-1 | 0.11    | 0.10    | 0.11    | 0.11       | 3.80    | ppb   |
| Lithium    | 6-1   |         |         |         | 113        |         | %     |
| Magnesium  | 24-2  | 791.93  | 777.28  | 790.10  | 786.44     | 1.02    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-04DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0642DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:23:20 | DataFile Name :   | 028SMPL_P7121518-MS |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 1298.95 | 1299.01 | 1303.54 | 1300.50    | 0.20    | ppb   |
| Molybdenum | 94-1  | 0.33    | 0.39    | 0.41    | 0.38       | 10.62   | ppb   |
| Molybdenum | 95-1  | 0.49    | 0.51    | 0.48    | 0.49       | 2.70    | ppb   |
| Molybdenum | 96-1  | 0.48    | 0.46    | 0.47    | 0.47       | 2.82    | ppb   |
| Molybdenum | 97-1  | 0.48    | 0.46    | 0.43    | 0.46       | 5.67    | ppb   |
| Molybdenum | 98-1  | 0.46    | 0.45    | 0.49    | 0.47       | 5.01    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.01    | 1.02    | 1.07    | 1.03       | 3.34    | ppb   |
| Phosphorus | 31-2  | -23.19  | -24.53  | -18.90  | -22.21     |         | ppb   |
| Potassium  | 39-2  | 468.14  | 467.15  | 473.35  | 469.54     | 0.71    | ppb   |
| Rhodium    | 103-1 |         |         |         | 103        |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 106        |         | %     |
| Scandium   | 45-2  |         |         |         | 104        |         | %     |
| Selenium   | 77-2  | 0.61    | 0.00    | 0.31    | 0.31       | 100.17  | ppb   |
| Selenium   | 78-2  | 0.47    | -0.09   | 0.16    | 0.18       | 153.21  | ppb   |
| Selenium   | 82-1  | -0.18   | -0.25   | -0.32   | -0.25      |         | ppb   |
| Silicon    | 28-1  | 597.85  | 595.62  | 601.97  | 598.48     | 0.54    | ppb   |
| Silver     | 109-1 | 0.12    | 0.13    | 0.15    | 0.13       | 8.88    | ppb   |
| Silver     | 107-1 | 0.13    | 0.14    | 0.14    | 0.14       | 4.49    | ppb   |
| Sodium     | 23-2  | 3253.77 | 3207.90 | 3248.81 | 3236.83    | 0.78    | ppb   |
| Strontium  | 86-1  | 20.33   | 20.11   | 20.75   | 20.40      | 1.61    | ppb   |
| Strontium  | 88-1  | 20.15   | 20.39   | 20.09   | 20.21      | 0.77    | ppb   |
| Sulfur     | 34-1  | 2078.71 | 2062.89 | 2147.08 | 2096.23    | 2.13    | ppb   |
| Terbium    | 159-1 |         |         |         | 107        |         | %     |
| Terbium    | 159-2 |         |         |         | 102        |         | %     |
| Thallium   | 203-1 | 0.15    | 0.16    | 0.19    | 0.17       | 10.04   | ppb   |
| Thallium   | 205-1 | 0.14    | 0.16    | 0.17    | 0.16       | 7.15    | ppb   |
| Thorium    | 232-1 | 0.04    | 0.04    | 0.04    | 0.04       | 5.56    | ppb   |
| Tin        | 118-1 | 0.11    | 0.12    | 0.12    | 0.12       | 2.62    | ppb   |
| Titanium   | 47-1  | 1.30    | 1.57    | 1.48    | 1.45       | 9.59    | ppb   |
| Uranium    | 238-1 | 0.02    | 0.03    | 0.02    | 0.02       | 4.70    | ppb   |
| Vanadium   | 51-2  | 0.24    | 0.25    | 0.26    | 0.25       | 3.96    | ppb   |
| Yttrium    | 89-1  |         |         |         | 106        |         | %     |
| Yttrium    | 89-2  |         |         |         | 103        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-04DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0642DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:23:20 | DataFile Name :   | 028SMPL_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.03    | 1.94    | 2.35    | 2.11       | 10.09   | ppb   |
| Zirconium | 90-1 | 0.04    | 0.04    | 0.03    | 0.03       | 14.08   | ppb   |
| Zirconium | 91-1 | 0.07    | 0.04    | 0.05    | 0.05       | 29.56   | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV90               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV90               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 16:33:48 | DataFile Name :   | 029CCV_P7121518-MS.I |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 52479.25  | 51812.80  | 51698.51  | 51996.85   | 0.81    | ppb   |
| Antimony   | 121-1 | 480.22    | 482.31    | 484.70    | 482.41     | 0.46    | ppb   |
| Arsenic    | 75-2  | 478.46    | 483.30    | 480.30    | 480.69     | 0.51    | ppb   |
| Barium     | 135-1 | 2597.45   | 2567.06   | 2545.82   | 2570.11    | 1.01    | ppb   |
| Barium     | 137-1 | 2591.33   | 2577.36   | 2574.41   | 2581.03    | 0.35    | ppb   |
| Beryllium  | 9-1   | 509.54    | 514.72    | 516.90    | 513.72     | 0.74    | ppb   |
| Bismuth    | 209-1 |           |           |           | 84         |         | %     |
| Bismuth    | 209-2 |           |           |           | 78         |         | %     |
| Boron      | 10-1  | 500.35    | 515.57    | 533.54    | 516.49     | 3.22    | ppb   |
| Boron      | 11-1  | 501.97    | 515.67    | 531.60    | 516.41     | 2.87    | ppb   |
| Cadmium    | 111-1 | 439.49    | 442.63    | 448.91    | 443.68     | 1.08    | ppb   |
| Cadmium    | 106-1 | 457.66    | 453.90    | 462.36    | 457.98     | 0.93    | ppb   |
| Cadmium    | 108-1 | 454.64    | 453.52    | 458.20    | 455.45     | 0.54    | ppb   |
| Calcium    | 43-1  | 245500.71 | 246343.04 | 246713.77 | 246185.84  | 0.25    | ppb   |
| Calcium    | 44-1  | 245351.41 | 247594.22 | 244889.39 | 245945.00  | 0.59    | ppb   |
| Chromium   | 52-2  | 512.91    | 512.17    | 515.47    | 513.52     | 0.34    | ppb   |
| Cobalt     | 59-2  | 488.42    | 488.37    | 488.60    | 488.46     | 0.02    | ppb   |
| Copper     | 63-2  | 949.67    | 947.79    | 945.35    | 947.61     | 0.23    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 99         |         | %     |
| Holmium    | 165-2 |           |           |           | 94         |         | %     |
| Indium     | 115-1 |           |           |           | 88         |         | %     |
| Indium     | 115-2 |           |           |           | 89         |         | %     |
| Iron       | 56-2  | 129171.40 | 128923.35 | 128663.91 | 128919.55  | 0.20    | ppb   |
| Iron       | 57-2  | 129121.32 | 128926.08 | 128126.55 | 128724.65  | 0.41    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 499.54    | 513.63    | 519.48    | 510.88     | 2.01    | ppb   |
| Lead       | 207-1 | 499.72    | 513.41    | 519.13    | 510.75     | 1.95    | ppb   |
| Lead       | 208-1 | 511.56    | 519.21    | 521.28    | 517.35     | 0.99    | ppb   |
| Lithium    | 6-1   |           |           |           | 95         |         | %     |
| Magnesium  | 24-2  | 253402.17 | 250952.34 | 250171.96 | 251508.82  | 0.67    | ppb   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV90               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV90               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 16:33:48 | DataFile Name :   | 029CCV_P7121518-MS.I |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 994.69    | 992.64    | 991.37    | 992.90     | 0.17    | ppb   |
| Molybdenum | 94-1  | 2596.07   | 2593.68   | 2563.90   | 2584.55    | 0.69    | ppb   |
| Molybdenum | 95-1  | 2577.43   | 2576.85   | 2573.32   | 2575.87    | 0.09    | ppb   |
| Molybdenum | 96-1  | 2569.36   | 2586.49   | 2572.87   | 2576.24    | 0.35    | ppb   |
| Molybdenum | 97-1  | 2581.19   | 2586.07   | 2567.02   | 2578.09    | 0.38    | ppb   |
| Molybdenum | 98-1  | 2584.32   | 2583.91   | 2591.19   | 2586.47    | 0.16    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 483.28    | 482.59    | 485.20    | 483.69     | 0.28    | ppb   |
| Phosphorus | 31-2  | 10181.52  | 10250.22  | 9886.33   | 10106.02   | 1.91    | ppb   |
| Potassium  | 39-2  | 124318.74 | 123419.79 | 123879.18 | 123872.57  | 0.36    | ppb   |
| Rhodium    | 103-1 |           |           |           | 81         |         | %     |
| Rhodium    | 103-2 |           |           |           | 84         |         | %     |
| Scandium   | 45-1  |           |           |           | 92         |         | %     |
| Scandium   | 45-2  |           |           |           | 97         |         | %     |
| Selenium   | 77-2  | 468.90    | 520.15    | 505.83    | 498.29     | 5.31    | ppb   |
| Selenium   | 78-2  | 489.30    | 490.42    | 486.03    | 488.59     | 0.47    | ppb   |
| Selenium   | 82-1  | 474.08    | 480.89    | 484.48    | 479.82     | 1.10    | ppb   |
| Silicon    | 28-1  | 517.98    | 532.00    | 536.91    | 528.96     | 1.86    | ppb   |
| Silver     | 109-1 | 469.71    | 465.37    | 461.94    | 465.67     | 0.84    | ppb   |
| Silver     | 107-1 | 470.38    | 465.48    | 464.21    | 466.69     | 0.70    | ppb   |
| Sodium     | 23-2  | 247388.36 | 245491.74 | 245386.59 | 246088.90  | 0.46    | ppb   |
| Strontium  | 86-1  | 512.24    | 517.50    | 519.47    | 516.41     | 0.72    | ppb   |
| Strontium  | 88-1  | 514.55    | 515.00    | 511.65    | 513.73     | 0.35    | ppb   |
| Sulfur     | 34-1  | 9962.87   | 10025.69  | 10082.72  | 10023.76   | 0.60    | ppb   |
| Terbium    | 159-1 |           |           |           | 98         |         | %     |
| Terbium    | 159-2 |           |           |           | 94         |         | %     |
| Thallium   | 203-1 | 534.96    | 530.69    | 536.66    | 534.10     | 0.58    | ppb   |
| Thallium   | 205-1 | 533.76    | 534.53    | 539.39    | 535.89     | 0.57    | ppb   |
| Thorium    | 232-1 | 541.54    | 539.41    | 542.05    | 541.00     | 0.26    | ppb   |
| Tin        | 118-1 | 489.73    | 489.45    | 493.48    | 490.89     | 0.46    | ppb   |
| Titanium   | 47-1  | 2525.26   | 2545.09   | 2562.28   | 2544.21    | 0.73    | ppb   |
| Uranium    | 238-1 | 538.25    | 536.22    | 540.77    | 538.41     | 0.42    | ppb   |
| Vanadium   | 51-2  | 508.18    | 507.65    | 506.12    | 507.32     | 0.21    | ppb   |
| Yttrium    | 89-1  |           |           |           | 92         |         | %     |
| Yttrium    | 89-2  |           |           |           | 94         |         | %     |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV90               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV90               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 16:33:48 | DataFile Name :   | 029CCV_P7121518-MS.I |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 923.14  | 922.33  | 924.08  | 923.18     | 0.09    | ppb   |
| Zirconium | 90-1 | 519.41  | 518.06  | 518.59  | 518.69     | 0.13    | ppb   |
| Zirconium | 91-1 | 516.21  | 517.60  | 524.49  | 519.44     | 0.85    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB90               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB90               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:38:59 | DataFile Name :   | 030CCBE_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.99    | 1.24    | 1.14    | 1.12       | 10.97   | ppb   |
| Antimony   | 121-1 | 0.10    | 0.10    | 0.10    | 0.10       | 3.42    | ppb   |
| Arsenic    | 75-2  | 0.04    | 0.04    | 0.04    | 0.04       | 0.41    | ppb   |
| Barium     | 135-1 | 0.02    | 0.03    | 0.06    | 0.04       | 62.89   | ppb   |
| Barium     | 137-1 | 0.04    | 0.04    | 0.05    | 0.04       | 4.93    | ppb   |
| Beryllium  | 9-1   | 0.03    | 0.05    | 0.04    | 0.04       | 19.39   | ppb   |
| Bismuth    | 209-1 |         |         |         | 105        |         | %     |
| Bismuth    | 209-2 |         |         |         | 101        |         | %     |
| Boron      | 10-1  | 10.72   | 10.07   | 9.39    | 10.06      | 6.61    | ppb   |
| Boron      | 11-1  | 10.80   | 9.75    | 9.89    | 10.15      | 5.61    | ppb   |
| Cadmium    | 111-1 | 0.01    | -0.02   | -0.09   | -0.03      |         | ppb   |
| Cadmium    | 106-1 | -0.30   | -0.44   | -1.42   | -0.72      |         | ppb   |
| Cadmium    | 108-1 | 0.08    | 0.05    | 0.00    | 0.04       | 91.46   | ppb   |
| Calcium    | 43-1  | 2.44    | 2.10    | 3.74    | 2.76       | 31.35   | ppb   |
| Calcium    | 44-1  | 3.77    | 3.92    | 3.90    | 3.86       | 2.09    | ppb   |
| Chromium   | 52-2  | 0.03    | 0.04    | 0.02    | 0.03       | 26.23   | ppb   |
| Cobalt     | 59-2  | 0.01    | 0.01    | 0.00    | 0.01       | 52.54   | ppb   |
| Copper     | 63-2  | 0.07    | 0.03    | 0.05    | 0.05       | 34.02   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 109        |         | %     |
| Holmium    | 165-2 |         |         |         | 103        |         | %     |
| Indium     | 115-1 |         |         |         | 107        |         | %     |
| Indium     | 115-2 |         |         |         | 103        |         | %     |
| Iron       | 56-2  | 3.22    | 3.26    | 3.09    | 3.19       | 2.87    | ppb   |
| Iron       | 57-2  | 2.98    | 2.86    | 4.07    | 3.30       | 20.27   | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.03    | 0.04    | 0.04    | 0.04       | 10.36   | ppb   |
| Lead       | 207-1 | 0.04    | 0.03    | 0.03    | 0.03       | 18.23   | ppb   |
| Lead       | 208-1 | 0.04    | 0.03    | 0.03    | 0.03       | 4.74    | ppb   |
| Lithium    | 6-1   |         |         |         | 112        |         | %     |
| Magnesium  | 24-2  | 6.45    | 5.76    | 5.31    | 5.84       | 9.82    | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB90               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB90               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:38:59 | DataFile Name :   | 030CCBE_P7121518-M5 |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.05    | 0.05    | 0.05    | 0.05       | 4.13    | ppb   |
| Molybdenum | 94-1  | 0.21    | 0.21    | 0.15    | 0.19       | 17.99   | ppb   |
| Molybdenum | 95-1  | 0.25    | 0.23    | 0.25    | 0.24       | 4.90    | ppb   |
| Molybdenum | 96-1  | 0.22    | 0.19    | 0.18    | 0.20       | 11.05   | ppb   |
| Molybdenum | 97-1  | 0.21    | 0.19    | 0.20    | 0.20       | 4.51    | ppb   |
| Molybdenum | 98-1  | 0.23    | 0.17    | 0.21    | 0.20       | 14.08   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.01   | 0.01    | 0.00    | 0.00       | 607.21  | ppb   |
| Phosphorus | 31-2  | -28.37  | -27.79  | -24.34  | -26.84     |         | ppb   |
| Potassium  | 39-2  | 7.23    | 7.07    | 8.54    | 7.61       | 10.59   | ppb   |
| Rhodium    | 103-1 |         |         |         | 106        |         | %     |
| Rhodium    | 103-2 |         |         |         | 105        |         | %     |
| Scandium   | 45-1  |         |         |         | 108        |         | %     |
| Scandium   | 45-2  |         |         |         | 107        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.30    | 0.10       | 173.21  | ppb   |
| Selenium   | 78-2  | 0.54    | 0.29    | 0.68    | 0.51       | 39.23   | ppb   |
| Selenium   | 82-1  | -0.06   | -0.20   | 0.11    | -0.05      |         | ppb   |
| Silicon    | 28-1  | 0.49    | 0.25    | -0.05   | 0.23       | 118.54  | ppb   |
| Silver     | 109-1 | 0.02    | 0.02    | 0.03    | 0.02       | 18.90   | ppb   |
| Silver     | 107-1 | 0.03    | 0.02    | 0.02    | 0.02       | 24.39   | ppb   |
| Sodium     | 23-2  | 33.27   | 30.73   | 29.74   | 31.24      | 5.82    | ppb   |
| Strontium  | 86-1  | -0.02   | -0.01   | 0.02    | -0.01      |         | ppb   |
| Strontium  | 88-1  | 0.01    | 0.01    | 0.01    | 0.01       | 12.19   | ppb   |
| Sulfur     | 34-1  | -255.12 | -206.56 | -274.95 | -245.54    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 108        |         | %     |
| Terbium    | 159-2 |         |         |         | 104        |         | %     |
| Thallium   | 203-1 | 0.05    | 0.05    | 0.05    | 0.05       | 2.77    | ppb   |
| Thallium   | 205-1 | 0.06    | 0.05    | 0.05    | 0.05       | 5.95    | ppb   |
| Thorium    | 232-1 | 0.05    | 0.04    | 0.04    | 0.04       | 8.18    | ppb   |
| Tin        | 118-1 | 0.05    | 0.06    | 0.06    | 0.06       | 10.42   | ppb   |
| Titanium   | 47-1  | 0.09    | 0.05    | 0.05    | 0.06       | 33.68   | ppb   |
| Uranium    | 238-1 | 0.01    | 0.01    | 0.01    | 0.01       | 16.87   | ppb   |
| Vanadium   | 51-2  | 0.01    | 0.01    | 0.01    | 0.01       | 24.40   | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 105        |         | %     |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB90               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB90               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:38:59 | DataFile Name :   | 030CCBE_P7121518-MS |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.06    | 0.04    | 0.00    | 0.03       | 85.57   | ppb   |
| Zirconium | 90-1 | 0.01    | 0.02    | 0.02    | 0.02       | 19.82   | ppb   |
| Zirconium | 91-1 | 0.03    | 0.03    | 0.03    | 0.03       | 10.40   | ppb   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:14:02 | DataFile Name :   | 003CALB_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 17       | 17       | 42       | 25       | 57.73  | cps   |
| Antimony   | 121-1 | 25       | 25       | 0        | 17       | 86.60  | cps   |
| Arsenic    | 75-2  | 6        | 2        | 2        | 3        | 69.39  | cps   |
| Barium     | 135-1 | 33       | 42       | 58       | 44       | 28.65  | cps   |
| Barium     | 137-1 | 58       | 33       | 33       | 42       | 34.65  | cps   |
| Beryllium  | 9-1   | 0        | 11       | 22       | 11       | 100.00 | cps   |
| Bismuth    | 209-1 | 12063570 | 12060757 | 12152109 | 12092145 | 0.43   | cps   |
| Bismuth    | 209-2 | 7477169  | 7484489  | 7446436  | 7469365  | 0.27   | cps   |
| Boron      | 10-1  | 208      | 217      | 142      | 189      | 21.76  | cps   |
| Boron      | 11-1  | 900      | 908      | 767      | 858      | 9.26   | cps   |
| Cadmium    | 111-1 | 2993     | 2999     | 3221     | 3071     | 4.22   | cps   |
| Cadmium    | 106-1 | 4284     | 4301     | 4609     | 4398     | 4.16   | cps   |
| Cadmium    | 108-1 | 8        | 17       | 8        | 11       | 43.34  | cps   |
| Calcium    | 43-1  | 133      | 100      | 108      | 114      | 15.23  | cps   |
| Calcium    | 44-1  | 7003     | 7245     | 7069     | 7105     | 1.76   | cps   |
| Chromium   | 52-2  | 833      | 827      | 873      | 844      | 2.99   | cps   |
| Cobalt     | 59-2  | 77       | 83       | 103      | 88       | 15.81  | cps   |
| Copper     | 63-2  | 290      | 330      | 350      | 323      | 9.45   | cps   |
| Dysprosium | 156-1 | 8        | 8        | 8        | 8        | 0.00   | cps   |
| Dysprosium | 156-2 | 3        | 3        | 0        | 2        | 86.60  | cps   |
| Erbium     | 164-1 | 83       | 25       | 50       | 53       | 55.46  | cps   |
| Erbium     | 164-2 | 27       | 13       | 20       | 20       | 33.35  | cps   |
| Gadolinium | 160-1 | 17       | 58       | 42       | 39       | 53.93  | cps   |
| Gadolinium | 160-2 | 237      | 240      | 213      | 230      | 6.32   | cps   |
| Holmium    | 165-1 | 17602672 | 17712041 | 17530241 | 17614985 | 0.52   | cps   |
| Holmium    | 165-2 | 9462977  | 9464887  | 9619480  | 9515781  | 0.94   | cps   |
| Indium     | 115-1 | 13238153 | 13197779 | 13415312 | 13283748 | 0.87   | cps   |
| Indium     | 115-2 | 2445275  | 2470506  | 2508910  | 2474897  | 1.29   | cps   |
| Iron       | 56-2  | 3212     | 3017     | 3378     | 3202     | 5.65   | cps   |
| Iron       | 57-2  | 106      | 139      | 78       | 107      | 28.49  | cps   |
| Krypton    | 83-1  | 317      | 270      | 310      | 299      | 8.44   | cps   |
| Lead       | 206-1 | 244      | 233      | 183      | 220      | 14.77  | cps   |
| Lead       | 207-1 | 144      | 217      | 222      | 194      | 22.32  | cps   |
| Lead       | 208-1 | 944      | 978      | 1022     | 982      | 3.98   | cps   |
| Lithium    | 6-1   | 6301297  | 6141674  | 6246474  | 6229815  | 1.30   | cps   |
| Magnesium  | 24-2  | 75       | 100      | 83       | 86       | 14.78  | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:14:02 | DataFile Name :   | 003CALB_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 50       | 37       | 33       | 40       | 22.05  | cps   |
| Molybdenum | 94-1  | 358      | 400      | 267      | 342      | 19.96  | cps   |
| Molybdenum | 95-1  | 42       | 17       | 25       | 28       | 45.82  | cps   |
| Molybdenum | 96-1  | 150      | 133      | 175      | 153      | 13.73  | cps   |
| Molybdenum | 97-1  | 42       | 58       | 17       | 39       | 53.93  | cps   |
| Molybdenum | 98-1  | 58       | 58       | 58       | 58       | 0.00   | cps   |
| Neodymium  | 150-1 | 7        | 0        | 0        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 43       | 80       | 60       | 61       | 30.04  | cps   |
| Phosphorus | 31-2  | 250      | 283      | 317      | 283      | 11.77  | cps   |
| Potassium  | 39-2  | 11113    | 11288    | 10704    | 11035    | 2.71   | cps   |
| Rhodium    | 103-1 | 12038633 | 12069212 | 12060663 | 12056169 | 0.13   | cps   |
| Rhodium    | 103-2 | 5524074  | 5618478  | 5655505  | 5599352  | 1.21   | cps   |
| Scandium   | 45-1  | 8913699  | 8975483  | 8989101  | 8959428  | 0.45   | cps   |
| Scandium   | 45-2  | 359385   | 361143   | 363621   | 361383   | 0.59   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 46       | 46       | 41       | 44       | 7.22   | cps   |
| Selenium   | 82-1  | 54       | 128      | 44       | 75       | 60.62  | cps   |
| Silicon    | 28-1  | 240193   | 239912   | 238278   | 239461   | 0.43   | cps   |
| Silver     | 109-1 | 42       | 17       | 42       | 33       | 43.30  | cps   |
| Silver     | 107-1 | 92       | 92       | 100      | 94       | 5.09   | cps   |
| Sodium     | 23-2  | 5751     | 5935     | 5976     | 5888     | 2.03   | cps   |
| Strontium  | 86-1  | 567      | 567      | 550      | 561      | 1.72   | cps   |
| Strontium  | 88-1  | 150      | 158      | 125      | 144      | 12.01  | cps   |
| Sulfur     | 34-1  | 248049   | 243380   | 248848   | 246759   | 1.20   | cps   |
| Terbium    | 159-1 | 17805232 | 17813464 | 17851709 | 17823468 | 0.14   | cps   |
| Terbium    | 159-2 | 9171544  | 9216634  | 9295403  | 9227860  | 0.68   | cps   |
| Thallium   | 203-1 | 125      | 50       | 50       | 75       | 57.74  | cps   |
| Thallium   | 205-1 | 192      | 175      | 208      | 192      | 8.70   | cps   |
| Thorium    | 232-1 | 78       | 83       | 72       | 78       | 7.15   | cps   |
| Tin        | 118-1 | 550      | 683      | 692      | 642      | 12.39  | cps   |
| Titanium   | 47-1  | 100      | 100      | 83       | 94       | 10.18  | cps   |
| Uranium    | 238-1 | 50       | 67       | 17       | 44       | 57.28  | cps   |
| Vanadium   | 51-2  | 13       | 7        | 3        | 8        | 65.47  | cps   |
| Yttrium    | 89-1  | 13581618 | 13563909 | 13554055 | 13566527 | 0.10   | cps   |
| Yttrium    | 89-2  | 1811761  | 1837056  | 1862075  | 1836964  | 1.37   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S0                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:14:02 | DataFile Name :   | 003CALB_P7121518-MS |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 377  | 417  | 357  | 383     | 7.97   | cps   |
| Zirconium | 90-1 | 1133 | 933  | 1033 | 1033    | 9.68   | cps   |
| Zirconium | 91-1 | 200  | 133  | 217  | 183     | 24.05  | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:22:00 | DataFile Name :   | 005CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2634     | 2642     | 2517     | 2598     | 2.69   | cps   |
| Antimony   | 121-1 | 20666    | 21593    | 21041    | 21100    | 2.21   | cps   |
| Arsenic    | 75-2  | 344      | 348      | 400      | 364      | 8.53   | cps   |
| Barium     | 135-1 | 28947    | 29290    | 29323    | 29187    | 0.71   | cps   |
| Barium     | 137-1 | 51948    | 51254    | 51337    | 51513    | 0.74   | cps   |
| Beryllium  | 9-1   | 3901     | 3739     | 4045     | 3895     | 3.93   | cps   |
| Bismuth    | 209-1 | 11677155 | 11742076 | 11703925 | 11707719 | 0.28   | cps   |
| Bismuth    | 209-2 | 7323486  | 7315762  | 7349037  | 7329428  | 0.24   | cps   |
| Boron      | 10-1  | 17202    | 17536    | 18120    | 17619    | 2.64   | cps   |
| Boron      | 11-1  | 78254    | 80407    | 84621    | 81094    | 3.99   | cps   |
| Cadmium    | 111-1 | 6719     | 6355     | 6006     | 6360     | 5.60   | cps   |
| Cadmium    | 106-1 | 5084     | 4893     | 4534     | 4837     | 5.77   | cps   |
| Cadmium    | 108-1 | 225      | 279      | 288      | 264      | 12.86  | cps   |
| Calcium    | 43-1  | 19939    | 20573    | 20974    | 20495    | 2.55   | cps   |
| Calcium    | 44-1  | 332666   | 331324   | 331934   | 331975   | 0.20   | cps   |
| Chromium   | 52-2  | 8009     | 7806     | 7889     | 7901     | 1.29   | cps   |
| Cobalt     | 59-2  | 5831     | 5808     | 5798     | 5812     | 0.29   | cps   |
| Copper     | 63-2  | 8913     | 8549     | 8503     | 8655     | 2.60   | cps   |
| Dysprosium | 156-1 | 17       | 25       | 25       | 22       | 21.64  | cps   |
| Dysprosium | 156-2 | 10       | 10       | 3        | 8        | 49.52  | cps   |
| Erbium     | 164-1 | 33       | 42       | 25       | 33       | 25.01  | cps   |
| Erbium     | 164-2 | 17       | 40       | 20       | 26       | 49.38  | cps   |
| Gadolinium | 160-1 | 42       | 100      | 92       | 78       | 40.56  | cps   |
| Gadolinium | 160-2 | 243      | 247      | 230      | 240      | 3.67   | cps   |
| Holmium    | 165-1 | 17383515 | 17389779 | 17377732 | 17383675 | 0.03   | cps   |
| Holmium    | 165-2 | 9346768  | 9340789  | 9332827  | 9340128  | 0.07   | cps   |
| Indium     | 115-1 | 13121214 | 13082604 | 13084491 | 13096103 | 0.17   | cps   |
| Indium     | 115-2 | 2465501  | 2487865  | 2481266  | 2478210  | 0.46   | cps   |
| Iron       | 56-2  | 165313   | 165842   | 163056   | 164737   | 0.90   | cps   |
| Iron       | 57-2  | 4240     | 4356     | 4201     | 4266     | 1.90   | cps   |
| Krypton    | 83-1  | 357      | 337      | 287      | 327      | 11.04  | cps   |
| Lead       | 206-1 | 10805    | 10660    | 10293    | 10586    | 2.49   | cps   |
| Lead       | 207-1 | 8970     | 9331     | 9470     | 9257     | 2.79   | cps   |
| Lead       | 208-1 | 43190    | 42411    | 42728    | 42776    | 0.92   | cps   |
| Lithium    | 6-1   | 6236119  | 6207662  | 6232261  | 6225347  | 0.25   | cps   |
| Magnesium  | 24-2  | 160238   | 159844   | 162709   | 160930   | 0.96   | cps   |

LB Number : LB99847 Operator : Jaswal  
 Lab Sample ID : S2 Instrumnet Name : P7  
 Client Sample ID : S2 Dilution Factor : 1  
 Date & Time Acquired :: 2018-12-15 14:22:00 DataFile Name : 005CAL5\_P7121518-MS

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 2237     | 2164     | 2347     | 2249     | 4.10   | cps   |
| Molybdenum | 94-1  | 24522    | 23353    | 23136    | 23670    | 3.15   | cps   |
| Molybdenum | 95-1  | 30032    | 31076    | 29715    | 30275    | 2.35   | cps   |
| Molybdenum | 96-1  | 32914    | 34042    | 33047    | 33334    | 1.85   | cps   |
| Molybdenum | 97-1  | 18438    | 18596    | 17870    | 18301    | 2.09   | cps   |
| Molybdenum | 98-1  | 47714    | 48576    | 48576    | 48288    | 1.03   | cps   |
| Neodymium  | 150-1 | 0        | 7        | 0        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 1713     | 1717     | 1623     | 1685     | 3.14   | cps   |
| Phosphorus | 31-2  | 608      | 642      | 692      | 647      | 6.48   | cps   |
| Potassium  | 39-2  | 140157   | 141056   | 142773   | 141329   | 0.94   | cps   |
| Rhodium    | 103-1 | 12026968 | 11894202 | 11899288 | 11940153 | 0.63   | cps   |
| Rhodium    | 103-2 | 5555824  | 5579293  | 5579254  | 5571457  | 0.24   | cps   |
| Scandium   | 45-1  | 8961234  | 8912783  | 8939710  | 8937909  | 0.27   | cps   |
| Scandium   | 45-2  | 361317   | 361596   | 362175   | 361696   | 0.12   | cps   |
| Selenium   | 77-2  | 50       | 47       | 43       | 47       | 7.15   | cps   |
| Selenium   | 78-2  | 239      | 257      | 226      | 241      | 6.57   | cps   |
| Selenium   | 82-1  | 1390     | 1434     | 1497     | 1441     | 3.74   | cps   |
| Silicon    | 28-1  | 331212   | 331352   | 333005   | 331856   | 0.30   | cps   |
| Silver     | 109-1 | 15960    | 15909    | 15384    | 15751    | 2.03   | cps   |
| Silver     | 107-1 | 16927    | 15826    | 16594    | 16449    | 3.43   | cps   |
| Sodium     | 23-2  | 298935   | 300428   | 299842   | 299735   | 0.25   | cps   |
| Strontium  | 86-1  | 4176     | 4184     | 4184     | 4181     | 0.11   | cps   |
| Strontium  | 88-1  | 34851    | 32688    | 33239    | 33593    | 3.35   | cps   |
| Sulfur     | 34-1  | 259997   | 257482   | 257716   | 258398   | 0.54   | cps   |
| Terbium    | 159-1 | 17511746 | 17492550 | 17539624 | 17514640 | 0.14   | cps   |
| Terbium    | 159-2 | 9077987  | 9135052  | 9124683  | 9112574  | 0.33   | cps   |
| Thallium   | 203-1 | 12698    | 12565    | 12631    | 12632    | 0.53   | cps   |
| Thallium   | 205-1 | 29909    | 31280    | 30294    | 30494    | 2.32   | cps   |
| Thorium    | 232-1 | 42670    | 42804    | 42386    | 42620    | 0.50   | cps   |
| Tin        | 118-1 | 53738    | 53394    | 52875    | 53336    | 0.81   | cps   |
| Titanium   | 47-1  | 9512     | 9278     | 9120     | 9303     | 2.12   | cps   |
| Uranium    | 238-1 | 41617    | 42120    | 40982    | 41573    | 1.37   | cps   |
| Vanadium   | 51-2  | 14667    | 14868    | 14627    | 14721    | 0.87   | cps   |
| Yttrium    | 89-1  | 13466691 | 13389697 | 13404101 | 13420163 | 0.31   | cps   |
| Yttrium    | 89-2  | 1825593  | 1828938  | 1843192  | 1832574  | 0.51   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S2                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:22:00 | DataFile Name :   | 005CALS_P7121518-MS |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 1693  | 1623  | 1747  | 1688    | 3.67   | cps   |
| Zirconium | 90-1 | 20699 | 20323 | 20073 | 20365   | 1.55   | cps   |
| Zirconium | 91-1 | 4634  | 4826  | 4659  | 4707    | 2.21   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:25:55 | DataFile Name :   | 006CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 139118   | 138157   | 138375   | 138550   | 0.36   | cps   |
| Antimony   | 121-1 | 583776   | 589818   | 585288   | 586294   | 0.54   | cps   |
| Arsenic    | 75-2  | 19378    | 19011    | 18966    | 19118    | 1.18   | cps   |
| Barium     | 135-1 | 772348   | 777107   | 777235   | 775563   | 0.36   | cps   |
| Barium     | 137-1 | 1354508  | 1350033  | 1355564  | 1353368  | 0.22   | cps   |
| Beryllium  | 9-1   | 207731   | 212308   | 208771   | 209603   | 1.14   | cps   |
| Bismuth    | 209-1 | 11784294 | 11837917 | 11703345 | 11775185 | 0.58   | cps   |
| Bismuth    | 209-2 | 7082751  | 7153798  | 7000132  | 7078894  | 1.09   | cps   |
| Boron      | 10-1  | 38041    | 40021    | 39829    | 39297    | 2.78   | cps   |
| Boron      | 11-1  | 171590   | 178606   | 179591   | 176595   | 2.47   | cps   |
| Cadmium    | 111-1 | 183003   | 182238   | 180136   | 181792   | 0.82   | cps   |
| Cadmium    | 106-1 | 23220    | 23220    | 23529    | 23323    | 0.76   | cps   |
| Cadmium    | 108-1 | 13269    | 13169    | 13102    | 13180    | 0.64   | cps   |
| Calcium    | 43-1  | 216463   | 216545   | 218862   | 217290   | 0.63   | cps   |
| Calcium    | 44-1  | 3463826  | 3481513  | 3469206  | 3471515  | 0.26   | cps   |
| Chromium   | 52-2  | 183773   | 184946   | 183614   | 184111   | 0.40   | cps   |
| Cobalt     | 59-2  | 303570   | 300893   | 298938   | 301134   | 0.77   | cps   |
| Copper     | 63-2  | 427276   | 427043   | 424059   | 426126   | 0.42   | cps   |
| Dysprosium | 156-1 | 58       | 17       | 42       | 39       | 53.93  | cps   |
| Dysprosium | 156-2 | 7        | 17       | 17       | 13       | 43.29  | cps   |
| Erbium     | 164-1 | 58       | 67       | 67       | 64       | 7.53   | cps   |
| Erbium     | 164-2 | 37       | 30       | 40       | 36       | 14.32  | cps   |
| Gadolinium | 160-1 | 100      | 67       | 42       | 69       | 42.14  | cps   |
| Gadolinium | 160-2 | 223      | 210      | 227      | 220      | 4.01   | cps   |
| Holmium    | 165-1 | 17456662 | 17428340 | 17429268 | 17438090 | 0.09   | cps   |
| Holmium    | 165-2 | 9147167  | 9187345  | 8961964  | 9098825  | 1.32   | cps   |
| Indium     | 115-1 | 12976064 | 12966375 | 12844951 | 12929130 | 0.57   | cps   |
| Indium     | 115-2 | 2428729  | 2431244  | 2399664  | 2419879  | 0.73   | cps   |
| Iron       | 56-2  | 7931825  | 7962708  | 7831694  | 7908742  | 0.87   | cps   |
| Iron       | 57-2  | 196413   | 195608   | 192607   | 194876   | 1.03   | cps   |
| Krypton    | 83-1  | 340      | 280      | 340      | 320      | 10.82  | cps   |
| Lead       | 206-1 | 578052   | 581394   | 578817   | 579421   | 0.30   | cps   |
| Lead       | 207-1 | 515298   | 520123   | 522773   | 519398   | 0.73   | cps   |
| Lead       | 208-1 | 2328901  | 2343168  | 2338785  | 2336951  | 0.31   | cps   |
| Lithium    | 6-1   | 6250433  | 6321554  | 6238630  | 6270206  | 0.72   | cps   |
| Magnesium  | 24-2  | 1691110  | 1702817  | 1673789  | 1689238  | 0.86   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:25:55 | DataFile Name :   | 006CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 222733   | 224391   | 220943   | 222689   | 0.77   | cps   |
| Molybdenum | 94-1  | 1240669  | 1252790  | 1233574  | 1242344  | 0.78   | cps   |
| Molybdenum | 95-1  | 1524917  | 1527355  | 1509444  | 1520572  | 0.64   | cps   |
| Molybdenum | 96-1  | 1689060  | 1693533  | 1669671  | 1684088  | 0.75   | cps   |
| Molybdenum | 97-1  | 952771   | 950597   | 950503   | 951290   | 0.13   | cps   |
| Molybdenum | 98-1  | 2442494  | 2448131  | 2439356  | 2443327  | 0.18   | cps   |
| Neodymium  | 150-1 | 47       | 67       | 93       | 69       | 33.99  | cps   |
| Neodymium  | 150-2 | 7        | 0        | 0        | 2        | 173.21 | cps   |
| Nickel     | 60-2  | 80821    | 80473    | 79334    | 80209    | 0.97   | cps   |
| Phosphorus | 31-2  | 7452     | 7377     | 7619     | 7483     | 1.65   | cps   |
| Potassium  | 39-2  | 676979   | 683200   | 670666   | 676948   | 0.93   | cps   |
| Rhodium    | 103-1 | 11689680 | 11663341 | 11543657 | 11632226 | 0.67   | cps   |
| Rhodium    | 103-2 | 5452610  | 5405911  | 5331545  | 5396689  | 1.13   | cps   |
| Scandium   | 45-1  | 8848498  | 8817171  | 8731167  | 8798945  | 0.69   | cps   |
| Scandium   | 45-2  | 344687   | 345349   | 337048   | 342361   | 1.35   | cps   |
| Selenium   | 77-2  | 600      | 550      | 597      | 582      | 4.80   | cps   |
| Selenium   | 78-2  | 1980     | 1996     | 1939     | 1972     | 1.50   | cps   |
| Selenium   | 82-1  | 13913    | 13878    | 13992    | 13927    | 0.42   | cps   |
| Silicon    | 28-1  | 827997   | 838109   | 855319   | 840475   | 1.64   | cps   |
| Silver     | 109-1 | 821532   | 818617   | 814237   | 818128   | 0.45   | cps   |
| Silver     | 107-1 | 848121   | 852809   | 846715   | 849215   | 0.38   | cps   |
| Sodium     | 23-2  | 3048841  | 3051911  | 3048282  | 3049678  | 0.06   | cps   |
| Strontium  | 86-1  | 209270   | 209077   | 206454   | 208267   | 0.76   | cps   |
| Strontium  | 88-1  | 1795793  | 1799552  | 1795146  | 1796830  | 0.13   | cps   |
| Sulfur     | 34-1  | 342771   | 338681   | 338281   | 339911   | 0.73   | cps   |
| Terbium    | 159-1 | 17657805 | 17549741 | 17478524 | 17562023 | 0.51   | cps   |
| Terbium    | 159-2 | 8928092  | 8872313  | 8751731  | 8850712  | 1.02   | cps   |
| Thallium   | 203-1 | 687609   | 694033   | 694371   | 692004   | 0.55   | cps   |
| Thallium   | 205-1 | 1652843  | 1672854  | 1657335  | 1661010  | 0.63   | cps   |
| Thorium    | 232-1 | 2382766  | 2379583  | 2369869  | 2377406  | 0.28   | cps   |
| Tin        | 118-1 | 552963   | 551280   | 551400   | 551881   | 0.17   | cps   |
| Titanium   | 47-1  | 475060   | 475516   | 468474   | 473017   | 0.83   | cps   |
| Uranium    | 238-1 | 2311434  | 2334362  | 2337956  | 2327917  | 0.62   | cps   |
| Vanadium   | 51-2  | 144671   | 146401   | 144644   | 145239   | 0.69   | cps   |
| Yttrium    | 89-1  | 13336095 | 13158810 | 13170882 | 13221929 | 0.75   | cps   |
| Yttrium    | 89-2  | 1794099  | 1777959  | 1737800  | 1769953  | 1.64   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S3                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:25:55 | DataFile Name :   | 006CALS_P7121518-MS |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 68242   | 67796   | 67117   | 67718   | 0.84   | cps   |
| Zirconium | 90-1 | 1035391 | 1039601 | 1040128 | 1038373 | 0.25   | cps   |
| Zirconium | 91-1 | 231814  | 232526  | 231925  | 232088  | 0.17   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:30:05 | DataFile Name :   | 007CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 314342   | 312327   | 307946   | 311538   | 1.05   | cps   |
| Antimony   | 121-1 | 1423231  | 1413622  | 1402917  | 1413257  | 0.72   | cps   |
| Arsenic    | 75-2  | 43403    | 43381    | 42997    | 43260    | 0.53   | cps   |
| Barium     | 135-1 | 1885669  | 1887736  | 1864072  | 1879159  | 0.70   | cps   |
| Barium     | 137-1 | 3300188  | 3273497  | 3241881  | 3271855  | 0.89   | cps   |
| Beryllium  | 9-1   | 508239   | 504083   | 497887   | 503403   | 1.03   | cps   |
| Bismuth    | 209-1 | 11372730 | 11298341 | 11277069 | 11316047 | 0.44   | cps   |
| Bismuth    | 209-2 | 6706780  | 6694573  | 6648313  | 6683222  | 0.46   | cps   |
| Boron      | 10-1  | 92634    | 94965    | 96642    | 94747    | 2.12   | cps   |
| Boron      | 11-1  | 420339   | 427878   | 434118   | 427445   | 1.61   | cps   |
| Cadmium    | 111-1 | 434273   | 429115   | 431263   | 431550   | 0.60   | cps   |
| Cadmium    | 106-1 | 49713    | 48542    | 49269    | 49175    | 1.20   | cps   |
| Cadmium    | 108-1 | 32174    | 32124    | 31427    | 31908    | 1.31   | cps   |
| Calcium    | 43-1  | 512376   | 526036   | 508491   | 515634   | 1.79   | cps   |
| Calcium    | 44-1  | 8104793  | 8125346  | 7963169  | 8064436  | 1.09   | cps   |
| Chromium   | 52-2  | 413600   | 409139   | 409353   | 410698   | 0.61   | cps   |
| Cobalt     | 59-2  | 678265   | 675199   | 668110   | 673858   | 0.77   | cps   |
| Copper     | 63-2  | 955247   | 947208   | 944776   | 949077   | 0.58   | cps   |
| Dysprosium | 156-1 | 33       | 33       | 33       | 33       | 0.02   | cps   |
| Dysprosium | 156-2 | 37       | 23       | 30       | 30       | 22.23  | cps   |
| Erbium     | 164-1 | 58       | 50       | 50       | 53       | 9.12   | cps   |
| Erbium     | 164-2 | 30       | 27       | 20       | 26       | 19.92  | cps   |
| Gadolinium | 160-1 | 67       | 33       | 108      | 69       | 54.12  | cps   |
| Gadolinium | 160-2 | 233      | 207      | 263      | 234      | 12.09  | cps   |
| Holmium    | 165-1 | 16894742 | 16794452 | 16763623 | 16817605 | 0.41   | cps   |
| Holmium    | 165-2 | 8766765  | 8624813  | 8645080  | 8678886  | 0.88   | cps   |
| Indium     | 115-1 | 12337959 | 12206200 | 12092198 | 12212119 | 1.01   | cps   |
| Indium     | 115-2 | 2215153  | 2232025  | 2196745  | 2214641  | 0.80   | cps   |
| Iron       | 56-2  | 18174915 | 17907603 | 17748857 | 17943792 | 1.20   | cps   |
| Iron       | 57-2  | 446498   | 439291   | 440273   | 442021   | 0.88   | cps   |
| Krypton    | 83-1  | 257      | 300      | 293      | 283      | 8.24   | cps   |
| Lead       | 206-1 | 1427078  | 1433988  | 1423773  | 1428280  | 0.36   | cps   |
| Lead       | 207-1 | 1268543  | 1300971  | 1279076  | 1282863  | 1.29   | cps   |
| Lead       | 208-1 | 5714031  | 5827725  | 5749143  | 5763633  | 1.01   | cps   |
| Lithium    | 6-1   | 6092959  | 6020453  | 5990510  | 6034640  | 0.87   | cps   |
| Magnesium  | 24-2  | 3864329  | 3824388  | 3807293  | 3832003  | 0.76   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:30:05 | DataFile Name :   | 007CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 508130   | 505453   | 499398   | 504327   | 0.89   | cps   |
| Molybdenum | 94-1  | 2993933  | 3002112  | 2964278  | 2986775  | 0.67   | cps   |
| Molybdenum | 95-1  | 3657630  | 3650856  | 3598576  | 3635687  | 0.89   | cps   |
| Molybdenum | 96-1  | 4053625  | 4029682  | 3985505  | 4022937  | 0.86   | cps   |
| Molybdenum | 97-1  | 2284704  | 2272389  | 2254195  | 2270429  | 0.68   | cps   |
| Molybdenum | 98-1  | 5797825  | 5733546  | 5647449  | 5726273  | 1.32   | cps   |
| Neodymium  | 150-1 | 120      | 133      | 127      | 127      | 5.27   | cps   |
| Neodymium  | 150-2 | 20       | 3        | 20       | 14       | 66.64  | cps   |
| Nickel     | 60-2  | 179348   | 179621   | 175395   | 178121   | 1.33   | cps   |
| Phosphorus | 31-2  | 17194    | 16001    | 16727    | 16640    | 3.61   | cps   |
| Potassium  | 39-2  | 1516275  | 1498082  | 1475827  | 1496728  | 1.35   | cps   |
| Rhodium    | 103-1 | 11002218 | 10756695 | 10610346 | 10789753 | 1.84   | cps   |
| Rhodium    | 103-2 | 4977481  | 4954315  | 4919364  | 4950386  | 0.59   | cps   |
| Scandium   | 45-1  | 8273155  | 8187034  | 8109101  | 8189763  | 1.00   | cps   |
| Scandium   | 45-2  | 317070   | 314389   | 308531   | 313330   | 1.39   | cps   |
| Selenium   | 77-2  | 1300     | 1257     | 1307     | 1288     | 2.11   | cps   |
| Selenium   | 78-2  | 4362     | 4262     | 4162     | 4262     | 2.35   | cps   |
| Selenium   | 82-1  | 33197    | 32947    | 32566    | 32903    | 0.97   | cps   |
| Silicon    | 28-1  | 1671121  | 1710725  | 1712867  | 1698238  | 1.38   | cps   |
| Silver     | 109-1 | 1944651  | 1942461  | 1935725  | 1940946  | 0.24   | cps   |
| Silver     | 107-1 | 2023298  | 2017384  | 1996798  | 2012493  | 0.69   | cps   |
| Sodium     | 23-2  | 7018805  | 6967588  | 6888065  | 6958153  | 0.95   | cps   |
| Strontium  | 86-1  | 504447   | 496360   | 491707   | 497505   | 1.30   | cps   |
| Strontium  | 88-1  | 4323687  | 4317020  | 4278071  | 4306259  | 0.57   | cps   |
| Sulfur     | 34-1  | 441833   | 437072   | 427413   | 435439   | 1.69   | cps   |
| Terbium    | 159-1 | 17000351 | 16959486 | 16755817 | 16905218 | 0.77   | cps   |
| Terbium    | 159-2 | 8498169  | 8427689  | 8344713  | 8423523  | 0.91   | cps   |
| Thallium   | 203-1 | 1698990  | 1723257  | 1720130  | 1714125  | 0.77   | cps   |
| Thallium   | 205-1 | 4095506  | 4101112  | 4058773  | 4085130  | 0.56   | cps   |
| Thorium    | 232-1 | 5839310  | 5885708  | 5868450  | 5864490  | 0.40   | cps   |
| Tin        | 118-1 | 1330861  | 1345048  | 1316880  | 1330930  | 1.06   | cps   |
| Titanium   | 47-1  | 1118621  | 1114609  | 1096596  | 1109942  | 1.06   | cps   |
| Uranium    | 238-1 | 5707863  | 5712309  | 5668056  | 5696076  | 0.43   | cps   |
| Vanadium   | 51-2  | 327038   | 327676   | 322048   | 325587   | 0.95   | cps   |
| Yttrium    | 89-1  | 12660137 | 12437560 | 12265937 | 12454545 | 1.59   | cps   |
| Yttrium    | 89-2  | 1640445  | 1623521  | 1614512  | 1626159  | 0.81   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S4                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:30:05 | DataFile Name :   | 007CALS_P7121518-MS |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 152146  | 150675  | 149254  | 150692  | 0.96   | cps   |
| Zirconium | 90-1 | 2513930 | 2498131 | 2470001 | 2494021 | 0.89   | cps   |
| Zirconium | 91-1 | 561859  | 553381  | 550086  | 555109  | 1.09   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:33:53 | DataFile Name :   | 008CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 562381   | 569647   | 562051   | 564693   | 0.76   | cps   |
| Antimony   | 121-1 | 2633181  | 2616849  | 2618031  | 2622687  | 0.35   | cps   |
| Arsenic    | 75-2  | 77322    | 76857    | 76959    | 77046    | 0.32   | cps   |
| Barium     | 135-1 | 3529640  | 3536203  | 3504278  | 3523374  | 0.48   | cps   |
| Barium     | 137-1 | 6068326  | 5972786  | 5993715  | 6011609  | 0.84   | cps   |
| Beryllium  | 9-1   | 927121   | 915036   | 908825   | 916994   | 1.01   | cps   |
| Bismuth    | 209-1 | 10993719 | 10875131 | 10858218 | 10909022 | 0.68   | cps   |
| Bismuth    | 209-2 | 6415244  | 6361475  | 6373886  | 6383535  | 0.44   | cps   |
| Boron      | 10-1  | 174674   | 176260   | 176316   | 175750   | 0.53   | cps   |
| Boron      | 11-1  | 770751   | 798322   | 793192   | 787422   | 1.86   | cps   |
| Cadmium    | 111-1 | 784137   | 783867   | 778434   | 782146   | 0.41   | cps   |
| Cadmium    | 106-1 | 86698    | 86303    | 86807    | 86603    | 0.31   | cps   |
| Cadmium    | 108-1 | 57914    | 58755    | 59567    | 58745    | 1.41   | cps   |
| Calcium    | 43-1  | 949291   | 920334   | 931993   | 933873   | 1.56   | cps   |
| Calcium    | 44-1  | 14822057 | 14697263 | 14519902 | 14679741 | 1.03   | cps   |
| Chromium   | 52-2  | 738562   | 741258   | 738105   | 739308   | 0.23   | cps   |
| Cobalt     | 59-2  | 1197716  | 1199318  | 1186083  | 1194372  | 0.60   | cps   |
| Copper     | 63-2  | 1661083  | 1678609  | 1664755  | 1668149  | 0.55   | cps   |
| Dysprosium | 156-1 | 83       | 42       | 50       | 58       | 37.80  | cps   |
| Dysprosium | 156-2 | 53       | 57       | 53       | 54       | 3.54   | cps   |
| Erbium     | 164-1 | 67       | 42       | 42       | 50       | 28.87  | cps   |
| Erbium     | 164-2 | 43       | 37       | 10       | 30       | 58.79  | cps   |
| Gadolinium | 160-1 | 75       | 67       | 92       | 78       | 16.37  | cps   |
| Gadolinium | 160-2 | 217      | 207      | 220      | 214      | 3.24   | cps   |
| Holmium    | 165-1 | 16396620 | 16322168 | 16114718 | 16277835 | 0.90   | cps   |
| Holmium    | 165-2 | 8406548  | 8336954  | 8307812  | 8350438  | 0.61   | cps   |
| Indium     | 115-1 | 11487403 | 11319771 | 11195621 | 11334265 | 1.29   | cps   |
| Indium     | 115-2 | 2059638  | 2039230  | 2043950  | 2047606  | 0.52   | cps   |
| Iron       | 56-2  | 32628092 | 32192526 | 32400056 | 32406891 | 0.67   | cps   |
| Iron       | 57-2  | 794984   | 799359   | 792588   | 795644   | 0.43   | cps   |
| Krypton    | 83-1  | 343      | 243      | 277      | 288      | 17.69  | cps   |
| Lead       | 206-1 | 2768556  | 2751772  | 2783911  | 2768080  | 0.58   | cps   |
| Lead       | 207-1 | 2488885  | 2460797  | 2499539  | 2483074  | 0.81   | cps   |
| Lead       | 208-1 | 11155492 | 11103404 | 11175707 | 11144868 | 0.33   | cps   |
| Lithium    | 6-1   | 5830898  | 5833865  | 5695977  | 5786913  | 1.36   | cps   |
| Magnesium  | 24-2  | 7033056  | 6960360  | 6973225  | 6988880  | 0.56   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:33:53 | DataFile Name :   | 008CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 912804   | 914957   | 914966   | 914243   | 0.14   | cps   |
| Molybdenum | 94-1  | 5450022  | 5436135  | 5434866  | 5440341  | 0.15   | cps   |
| Molybdenum | 95-1  | 6595750  | 6487652  | 6511689  | 6531697  | 0.87   | cps   |
| Molybdenum | 96-1  | 7371633  | 7207804  | 7254794  | 7278077  | 1.16   | cps   |
| Molybdenum | 97-1  | 4152901  | 4119443  | 4119913  | 4130753  | 0.46   | cps   |
| Molybdenum | 98-1  | 10636144 | 10495781 | 10493511 | 10541812 | 0.78   | cps   |
| Neodymium  | 150-1 | 233      | 333      | 213      | 260      | 24.73  | cps   |
| Neodymium  | 150-2 | 13       | 20       | 23       | 19       | 26.96  | cps   |
| Nickel     | 60-2  | 310651   | 314638   | 314140   | 313143   | 0.69   | cps   |
| Phosphorus | 31-2  | 29605    | 29162    | 29505    | 29424    | 0.79   | cps   |
| Potassium  | 39-2  | 2689456  | 2654876  | 2681457  | 2675263  | 0.68   | cps   |
| Rhodium    | 103-1 | 9900233  | 9829233  | 9621747  | 9783738  | 1.48   | cps   |
| Rhodium    | 103-2 | 4542721  | 4483023  | 4511324  | 4512356  | 0.66   | cps   |
| Scandium   | 45-1  | 7596186  | 7366644  | 7281758  | 7414863  | 2.19   | cps   |
| Scandium   | 45-2  | 281540   | 280725   | 282117   | 281461   | 0.25   | cps   |
| Selenium   | 77-2  | 2207     | 2284     | 2307     | 2266     | 2.31   | cps   |
| Selenium   | 78-2  | 7787     | 7617     | 7904     | 7769     | 1.86   | cps   |
| Selenium   | 82-1  | 59212    | 59051    | 58506    | 58923    | 0.63   | cps   |
| Silicon    | 28-1  | 2846417  | 2893090  | 2870574  | 2870027  | 0.81   | cps   |
| Silver     | 109-1 | 3490325  | 3498993  | 3487042  | 3492120  | 0.18   | cps   |
| Silver     | 107-1 | 3633315  | 3598453  | 3620434  | 3617401  | 0.49   | cps   |
| Sodium     | 23-2  | 12765923 | 12717922 | 12608536 | 12697460 | 0.64   | cps   |
| Strontium  | 86-1  | 908817   | 909953   | 909275   | 909348   | 0.06   | cps   |
| Strontium  | 88-1  | 7798722  | 7731724  | 7728077  | 7752841  | 0.51   | cps   |
| Sulfur     | 34-1  | 569647   | 561195   | 558014   | 562952   | 1.07   | cps   |
| Terbium    | 159-1 | 16402031 | 16310704 | 16036551 | 16249762 | 1.17   | cps   |
| Terbium    | 159-2 | 8030150  | 8026464  | 8021412  | 8026009  | 0.05   | cps   |
| Thallium   | 203-1 | 3298468  | 3298540  | 3329272  | 3308760  | 0.54   | cps   |
| Thallium   | 205-1 | 7832403  | 7808874  | 7803885  | 7815054  | 0.19   | cps   |
| Thorium    | 232-1 | 11648408 | 11546710 | 11659123 | 11618080 | 0.53   | cps   |
| Tin        | 118-1 | 2463116  | 2471255  | 2467055  | 2467142  | 0.16   | cps   |
| Titanium   | 47-1  | 2015950  | 1985872  | 1985226  | 1995683  | 0.88   | cps   |
| Uranium    | 238-1 | 11299776 | 11186313 | 11355163 | 11280417 | 0.76   | cps   |
| Vanadium   | 51-2  | 587091   | 588051   | 586720   | 587287   | 0.12   | cps   |
| Yttrium    | 89-1  | 11549621 | 11456179 | 11296870 | 11434223 | 1.12   | cps   |
| Yttrium    | 89-2  | 1508312  | 1493426  | 1498599  | 1500112  | 0.50   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S5                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:33:53 | DataFile Name :   | 008CALS_P7121518-MS |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 268922  | 271664  | 267632  | 269406  | 0.76   | cps   |
| Zirconium | 90-1 | 4574749 | 4534656 | 4495384 | 4534930 | 0.88   | cps   |
| Zirconium | 91-1 | 1022837 | 1014258 | 1013317 | 1016804 | 0.52   | cps   |

LB Number : LB99847 Operator : Jaswal  
 Lab Sample ID : S6 Instrumnet Name : P7  
 Client Sample ID : S6 Dilution Factor : 1  
 Date & Time Acquired :: 2018-12-15 14:37:41 DataFile Name : 009CAL5\_P7121518-MS

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1090456  | 1093298  | 1092095  | 1091950  | 0.13   | cps   |
| Antimony   | 121-1 | 4889968  | 4954773  | 5006094  | 4950279  | 1.18   | cps   |
| Arsenic    | 75-2  | 148045   | 148194   | 149410   | 148550   | 0.50   | cps   |
| Barium     | 135-1 | 6648800  | 6738468  | 6717392  | 6701554  | 0.70   | cps   |
| Barium     | 137-1 | 11723075 | 11749147 | 11744005 | 11738742 | 0.12   | cps   |
| Beryllium  | 9-1   | 1696986  | 1689049  | 1699844  | 1695293  | 0.33   | cps   |
| Bismuth    | 209-1 | 10620139 | 10564988 | 10656615 | 10613914 | 0.43   | cps   |
| Bismuth    | 209-2 | 6131037  | 6071927  | 6131913  | 6111626  | 0.56   | cps   |
| Boron      | 10-1  | 330488   | 335085   | 342474   | 336016   | 1.80   | cps   |
| Boron      | 11-1  | 1472355  | 1519479  | 1531720  | 1507851  | 2.08   | cps   |
| Cadmium    | 111-1 | 1439362  | 1466134  | 1461726  | 1455740  | 0.99   | cps   |
| Cadmium    | 106-1 | 154676   | 157718   | 158871   | 157089   | 1.38   | cps   |
| Cadmium    | 108-1 | 108562   | 107537   | 108042   | 108047   | 0.47   | cps   |
| Calcium    | 43-1  | 1765392  | 1749258  | 1762748  | 1759133  | 0.49   | cps   |
| Calcium    | 44-1  | 28145642 | 27951187 | 27839638 | 27978823 | 0.55   | cps   |
| Chromium   | 52-2  | 1430316  | 1432463  | 1441505  | 1434762  | 0.41   | cps   |
| Cobalt     | 59-2  | 2299783  | 2320942  | 2324127  | 2314951  | 0.57   | cps   |
| Copper     | 63-2  | 3145727  | 3205670  | 3170499  | 3173965  | 0.95   | cps   |
| Dysprosium | 156-1 | 125      | 100      | 100      | 108      | 13.33  | cps   |
| Dysprosium | 156-2 | 93       | 150      | 77       | 107      | 36.04  | cps   |
| Erbium     | 164-1 | 108      | 42       | 67       | 72       | 46.63  | cps   |
| Erbium     | 164-2 | 17       | 17       | 10       | 14       | 26.66  | cps   |
| Gadolinium | 160-1 | 50       | 142      | 50       | 81       | 65.70  | cps   |
| Gadolinium | 160-2 | 173      | 230      | 210      | 204      | 14.06  | cps   |
| Holmium    | 165-1 | 16123705 | 16053824 | 16076296 | 16084608 | 0.22   | cps   |
| Holmium    | 165-2 | 8230987  | 8241041  | 8320205  | 8264078  | 0.59   | cps   |
| Indium     | 115-1 | 10881859 | 10843523 | 10871475 | 10865619 | 0.18   | cps   |
| Indium     | 115-2 | 1966167  | 1992685  | 2011395  | 1990082  | 1.14   | cps   |
| Iron       | 56-2  | 62922494 | 62946779 | 62961736 | 62943670 | 0.03   | cps   |
| Iron       | 57-2  | 1531573  | 1535102  | 1557304  | 1541326  | 0.91   | cps   |
| Krypton    | 83-1  | 230      | 260      | 273      | 254      | 8.72   | cps   |
| Lead       | 206-1 | 5201902  | 5265412  | 5335944  | 5267753  | 1.27   | cps   |
| Lead       | 207-1 | 4726831  | 4762905  | 4799051  | 4762929  | 0.76   | cps   |
| Lead       | 208-1 | 21342037 | 21407218 | 21536168 | 21428474 | 0.46   | cps   |
| Lithium    | 6-1   | 5538725  | 5499817  | 5581959  | 5540167  | 0.74   | cps   |
| Magnesium  | 24-2  | 13579818 | 13506660 | 13528172 | 13538216 | 0.28   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:37:41 | DataFile Name :   | 009CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1773004  | 1771746  | 1783414  | 1776055  | 0.36   | cps   |
| Molybdenum | 94-1  | 10291081 | 10299975 | 10281232 | 10290763 | 0.09   | cps   |
| Molybdenum | 95-1  | 12645447 | 12666311 | 12580392 | 12630717 | 0.35   | cps   |
| Molybdenum | 96-1  | 14055335 | 14156713 | 14035611 | 14082553 | 0.46   | cps   |
| Molybdenum | 97-1  | 7889688  | 7897084  | 7865863  | 7884212  | 0.21   | cps   |
| Molybdenum | 98-1  | 20219894 | 20421173 | 20258788 | 20299952 | 0.53   | cps   |
| Neodymium  | 150-1 | 493      | 413      | 473      | 460      | 9.05   | cps   |
| Neodymium  | 150-2 | 47       | 63       | 60       | 57       | 15.56  | cps   |
| Nickel     | 60-2  | 595391   | 597592   | 598559   | 597181   | 0.27   | cps   |
| Phosphorus | 31-2  | 55947    | 55378    | 57378    | 56235    | 1.83   | cps   |
| Potassium  | 39-2  | 5211761  | 5140551  | 5208382  | 5186898  | 0.77   | cps   |
| Rhodium    | 103-1 | 9283355  | 9281599  | 9232744  | 9265900  | 0.31   | cps   |
| Rhodium    | 103-2 | 4326202  | 4376386  | 4419577  | 4374055  | 1.07   | cps   |
| Scandium   | 45-1  | 7118341  | 7033473  | 7045108  | 7065641  | 0.65   | cps   |
| Scandium   | 45-2  | 275570   | 276351   | 277852   | 276591   | 0.42   | cps   |
| Selenium   | 77-2  | 4214     | 4377     | 4484     | 4359     | 3.12   | cps   |
| Selenium   | 78-2  | 14331    | 14898    | 14633    | 14621    | 1.94   | cps   |
| Selenium   | 82-1  | 109165   | 109255   | 109358   | 109260   | 0.09   | cps   |
| Silicon    | 28-1  | 5006432  | 5045943  | 5055245  | 5035873  | 0.51   | cps   |
| Silver     | 109-1 | 6511094  | 6467366  | 6492439  | 6490300  | 0.34   | cps   |
| Silver     | 107-1 | 6707358  | 6739161  | 6746456  | 6730992  | 0.31   | cps   |
| Sodium     | 23-2  | 24825544 | 24685755 | 24746397 | 24752565 | 0.28   | cps   |
| Strontium  | 86-1  | 1709238  | 1735903  | 1733860  | 1726334  | 0.86   | cps   |
| Strontium  | 88-1  | 14904909 | 14918395 | 14883940 | 14902415 | 0.12   | cps   |
| Sulfur     | 34-1  | 853958   | 847596   | 849448   | 850334   | 0.38   | cps   |
| Terbium    | 159-1 | 16086620 | 16022822 | 16047749 | 16052397 | 0.20   | cps   |
| Terbium    | 159-2 | 7919219  | 7890203  | 7942857  | 7917426  | 0.33   | cps   |
| Thallium   | 203-1 | 6359927  | 6419194  | 6428674  | 6402599  | 0.58   | cps   |
| Thallium   | 205-1 | 15284762 | 15432620 | 15375703 | 15364362 | 0.49   | cps   |
| Thorium    | 232-1 | 23509401 | 23241703 | 23430973 | 23394026 | 0.59   | cps   |
| Tin        | 118-1 | 4623851  | 4679903  | 4720526  | 4674760  | 1.04   | cps   |
| Titanium   | 47-1  | 3745850  | 3763919  | 3750558  | 3753442  | 0.25   | cps   |
| Uranium    | 238-1 | 22722162 | 22536395 | 22770432 | 22676330 | 0.54   | cps   |
| Vanadium   | 51-2  | 1138974  | 1147468  | 1149435  | 1145292  | 0.49   | cps   |
| Yttrium    | 89-1  | 11018913 | 11014191 | 11066264 | 11033122 | 0.26   | cps   |
| Yttrium    | 89-2  | 1456810  | 1459759  | 1484675  | 1467082  | 1.04   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S6                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 14:37:41 | DataFile Name :   | 009CALS_P7121518-MS |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 504813  | 513542  | 513539  | 510631  | 0.99   | cps   |
| Zirconium | 90-1 | 8706139 | 8763163 | 8742307 | 8737203 | 0.33   | cps   |
| Zirconium | 91-1 | 1928026 | 1941018 | 1950870 | 1939971 | 0.59   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:26:02 | DataFile Name :   | 015CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 2490382   | 2509966   | 2536346   | 2512231   | 0.92   | cps   |
| Antimony   | 121-1 | 10774203  | 10773628  | 10785851  | 10777894  | 0.06   | cps   |
| Arsenic    | 75-2  | 326349    | 328665    | 330622    | 328545    | 0.65   | cps   |
| Barium     | 135-1 | 14776213  | 14938730  | 14851616  | 14855519  | 0.55   | cps   |
| Barium     | 137-1 | 25594483  | 25825226  | 25924769  | 25781493  | 0.66   | cps   |
| Beryllium  | 9-1   | 3652910   | 3650078   | 3622652   | 3641880   | 0.46   | cps   |
| Bismuth    | 209-1 | 10926853  | 10907564  | 11053735  | 10962717  | 0.72   | cps   |
| Bismuth    | 209-2 | 6223398   | 6268523   | 6286137   | 6259353   | 0.52   | cps   |
| Boron      | 10-1  | 700258    | 723249    | 736142    | 719883    | 2.52   | cps   |
| Boron      | 11-1  | 3214148   | 3278167   | 3296176   | 3262830   | 1.32   | cps   |
| Cadmium    | 111-1 | 3254620   | 3284351   | 3336269   | 3291747   | 1.26   | cps   |
| Cadmium    | 106-1 | 349503    | 355443    | 353472    | 352806    | 0.86   | cps   |
| Cadmium    | 108-1 | 244461    | 247793    | 249931    | 247395    | 1.11   | cps   |
| Calcium    | 43-1  | 3938372   | 3964629   | 3978980   | 3960660   | 0.52   | cps   |
| Calcium    | 44-1  | 63240004  | 63386476  | 63189976  | 63272152  | 0.16   | cps   |
| Chromium   | 52-2  | 3211935   | 3240530   | 3261031   | 3237832   | 0.76   | cps   |
| Cobalt     | 59-2  | 5079687   | 5086690   | 5147579   | 5104652   | 0.73   | cps   |
| Copper     | 63-2  | 7252534   | 7170089   | 7249023   | 7223882   | 0.65   | cps   |
| Dysprosium | 156-1 | 250       | 292       | 317       | 286       | 11.77  | cps   |
| Dysprosium | 156-2 | 210       | 257       | 237       | 234       | 9.98   | cps   |
| Erbium     | 164-1 | 58        | 75        | 50        | 61        | 20.83  | cps   |
| Erbium     | 164-2 | 57        | 30        | 17        | 34        | 59.13  | cps   |
| Gadolinium | 160-1 | 83        | 67        | 75        | 75        | 11.11  | cps   |
| Gadolinium | 160-2 | 193       | 240       | 273       | 236       | 17.06  | cps   |
| Holmium    | 165-1 | 17642462  | 17466399  | 17614364  | 17574409  | 0.54   | cps   |
| Holmium    | 165-2 | 8832166   | 8825114   | 8883353   | 8846878   | 0.36   | cps   |
| Indium     | 115-1 | 11785374  | 11717192  | 11813334  | 11771967  | 0.42   | cps   |
| Indium     | 115-2 | 2097837   | 2117681   | 2143703   | 2119740   | 1.09   | cps   |
| Iron       | 56-2  | 140515767 | 141382995 | 140849811 | 140916191 | 0.31   | cps   |
| Iron       | 57-2  | 3420276   | 3450577   | 3484055   | 3451636   | 0.92   | cps   |
| Krypton    | 83-1  | 297       | 297       | 350       | 314       | 9.79   | cps   |
| Lead       | 206-1 | 11052225  | 11058433  | 11137740  | 11082799  | 0.43   | cps   |
| Lead       | 207-1 | 9837606   | 9841887   | 9983631   | 9887708   | 0.84   | cps   |
| Lead       | 208-1 | 44443587  | 44206338  | 44720503  | 44456809  | 0.58   | cps   |
| Lithium    | 6-1   | 6043745   | 5994603   | 6023600   | 6020649   | 0.41   | cps   |
| Magnesium  | 24-2  | 31052848  | 30941035  | 31185612  | 31059832  | 0.39   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:26:02 | DataFile Name :   | 015CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 3928389  | 3981074  | 4011967  | 3973810  | 1.06   | cps   |
| Molybdenum | 94-1  | 23302821 | 23096886 | 23036019 | 23145242 | 0.60   | cps   |
| Molybdenum | 95-1  | 28505230 | 28293117 | 28320592 | 28372980 | 0.41   | cps   |
| Molybdenum | 96-1  | 31569129 | 31488209 | 31593233 | 31550190 | 0.17   | cps   |
| Molybdenum | 97-1  | 17689836 | 17770785 | 17718991 | 17726537 | 0.23   | cps   |
| Molybdenum | 98-1  | 45715645 | 45755529 | 45509418 | 45660197 | 0.29   | cps   |
| Neodymium  | 150-1 | 940      | 900      | 1047     | 962      | 7.88   | cps   |
| Neodymium  | 150-2 | 97       | 87       | 97       | 93       | 6.19   | cps   |
| Nickel     | 60-2  | 1303314  | 1315361  | 1319870  | 1312848  | 0.65   | cps   |
| Phosphorus | 31-2  | 127297   | 128196   | 131374   | 128956   | 1.66   | cps   |
| Potassium  | 39-2  | 12016664 | 11961503 | 12049633 | 12009266 | 0.37   | cps   |
| Rhodium    | 103-1 | 10158165 | 10087710 | 10094064 | 10113313 | 0.39   | cps   |
| Rhodium    | 103-2 | 4649607  | 4692991  | 4725247  | 4689282  | 0.81   | cps   |
| Scandium   | 45-1  | 8118851  | 8035226  | 8027056  | 8060378  | 0.63   | cps   |
| Scandium   | 45-2  | 316009   | 318124   | 324331   | 319488   | 1.35   | cps   |
| Selenium   | 77-2  | 9143     | 9250     | 9440     | 9278     | 1.62   | cps   |
| Selenium   | 78-2  | 30818    | 31193    | 32145    | 31385    | 2.18   | cps   |
| Selenium   | 82-1  | 231261   | 232167   | 233404   | 232277   | 0.46   | cps   |
| Silicon    | 28-1  | 9150749  | 9107303  | 9086257  | 9114770  | 0.36   | cps   |
| Silver     | 109-1 | 14597508 | 14430861 | 14511883 | 14513417 | 0.57   | cps   |
| Silver     | 107-1 | 15206120 | 15160711 | 15029164 | 15131998 | 0.61   | cps   |
| Sodium     | 23-2  | 57595676 | 56890499 | 57552047 | 57346074 | 0.69   | cps   |
| Strontium  | 86-1  | 3783169  | 3792741  | 3835872  | 3803927  | 0.74   | cps   |
| Strontium  | 88-1  | 33657698 | 33469820 | 33587183 | 33571567 | 0.28   | cps   |
| Sulfur     | 34-1  | 1703765  | 1712214  | 1689808  | 1701929  | 0.66   | cps   |
| Terbium    | 159-1 | 17562396 | 17482651 | 17593306 | 17546118 | 0.33   | cps   |
| Terbium    | 159-2 | 8530132  | 8460971  | 8600811  | 8530638  | 0.82   | cps   |
| Thallium   | 203-1 | 13476314 | 13519807 | 13565745 | 13520622 | 0.33   | cps   |
| Thallium   | 205-1 | 32408739 | 32284081 | 32596178 | 32429666 | 0.48   | cps   |
| Thorium    | 232-1 | 48850521 | 49405157 | 49406852 | 49220843 | 0.65   | cps   |
| Tin        | 118-1 | 10271084 | 10263823 | 10312792 | 10282567 | 0.26   | cps   |
| Titanium   | 47-1  | 8593825  | 8595280  | 8581322  | 8590143  | 0.09   | cps   |
| Uranium    | 238-1 | 47061513 | 47467609 | 47547645 | 47358922 | 0.55   | cps   |
| Vanadium   | 51-2  | 2608583  | 2625434  | 2644109  | 2626042  | 0.68   | cps   |
| Yttrium    | 89-1  | 12391987 | 12352309 | 12395865 | 12380054 | 0.19   | cps   |
| Yttrium    | 89-2  | 1621139  | 1615895  | 1653051  | 1630028  | 1.23   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S7                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:26:02 | DataFile Name :   | 015CALS_P7121518-MS |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zinc      | 66-2 | 1118556  | 1129446  | 1142665  | 1130222  | 1.07   | cps   |
| Zirconium | 90-1 | 19698057 | 19693464 | 19521052 | 19637524 | 0.51   | cps   |
| Zirconium | 91-1 | 4267611  | 4304499  | 4303060  | 4291723  | 0.49   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:29:48 | DataFile Name :   | 016CAL5_P7121518-MS |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 14070018  | 14171275  | 14372585  | 14204626  | 1.08   | cps   |
| Antimony   | 121-1 | 14500     | 14275     | 14074     | 14283     | 1.49   | cps   |
| Arsenic    | 75-2  | 469       | 424       | 509       | 467       | 9.12   | cps   |
| Barium     | 135-1 | 2875      | 2884      | 2800      | 2853      | 1.61   | cps   |
| Barium     | 137-1 | 4876      | 5051      | 4826      | 4918      | 2.40   | cps   |
| Beryllium  | 9-1   | 583       | 517       | 533       | 544       | 6.37   | cps   |
| Bismuth    | 209-1 | 9321586   | 9296988   | 9334866   | 9317813   | 0.21   | cps   |
| Bismuth    | 209-2 | 5119410   | 5240402   | 5284387   | 5214733   | 1.64   | cps   |
| Boron      | 10-1  | 23118     | 19972     | 18620     | 20570     | 11.22  | cps   |
| Boron      | 11-1  | 101791    | 93405     | 87193     | 94130     | 7.78   | cps   |
| Cadmium    | 111-1 | 3103      | 3584      | 3598      | 3428      | 8.21   | cps   |
| Cadmium    | 106-1 | 3767      | 4426      | 4376      | 4190      | 8.75   | cps   |
| Cadmium    | 108-1 | 54        | 50        | 46        | 50        | 8.34   | cps   |
| Calcium    | 43-1  | 20081701  | 20371071  | 20569208  | 20340660  | 1.21   | cps   |
| Calcium    | 44-1  | 318040190 | 322844441 | 327808074 | 322897568 | 1.51   | cps   |
| Chromium   | 52-2  | 133659    | 134627    | 136862    | 135049    | 1.22   | cps   |
| Cobalt     | 59-2  | 66343     | 66158     | 67334     | 66611     | 0.95   | cps   |
| Copper     | 63-2  | 14881     | 14821     | 14851     | 14851     | 0.20   | cps   |
| Dysprosium | 156-1 | 167       | 142       | 100       | 136       | 24.75  | cps   |
| Dysprosium | 156-2 | 57        | 60        | 63        | 60        | 5.55   | cps   |
| Erbium     | 164-1 | 108       | 117       | 75        | 100       | 22.05  | cps   |
| Erbium     | 164-2 | 47        | 47        | 57        | 50        | 11.55  | cps   |
| Gadolinium | 160-1 | 100       | 133       | 108       | 114       | 15.23  | cps   |
| Gadolinium | 160-2 | 280       | 243       | 233       | 252       | 9.74   | cps   |
| Holmium    | 165-1 | 16851065  | 17012815  | 17054500  | 16972794  | 0.63   | cps   |
| Holmium    | 165-2 | 8567713   | 8615391   | 8671116   | 8618073   | 0.60   | cps   |
| Indium     | 115-1 | 11316249  | 11412789  | 11455084  | 11394707  | 0.62   | cps   |
| Indium     | 115-2 | 2067257   | 2116489   | 2146218   | 2109988   | 1.89   | cps   |
| Iron       | 56-2  | 720463794 | 723142127 | 730152239 | 724586053 | 0.69   | cps   |
| Iron       | 57-2  | 17477070  | 17617139  | 17765443  | 17619884  | 0.82   | cps   |
| Krypton    | 83-1  | 340       | 463       | 463       | 422       | 16.87  | cps   |
| Lead       | 206-1 | 14803     | 14864     | 14620     | 14762     | 0.86   | cps   |
| Lead       | 207-1 | 12423     | 12323     | 12901     | 12549     | 2.46   | cps   |
| Lead       | 208-1 | 57127     | 57277     | 57794     | 57399     | 0.61   | cps   |
| Lithium    | 6-1   | 5436008   | 5486212   | 5478504   | 5466908   | 0.49   | cps   |
| Magnesium  | 24-2  | 165213887 | 165197312 | 167867554 | 166092918 | 0.93   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:29:48 | DataFile Name :   | 016CALS_P7121518-MS |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Manganese  | 55-2  | 28675     | 29202     | 28585     | 28821     | 1.16   | cps   |
| Molybdenum | 94-1  | 28555     | 27953     | 26601     | 27703     | 3.61   | cps   |
| Molybdenum | 95-1  | 43350     | 43032     | 43083     | 43155     | 0.40   | cps   |
| Molybdenum | 96-1  | 54471     | 54982     | 54363     | 54605     | 0.61   | cps   |
| Molybdenum | 97-1  | 25265     | 26559     | 25215     | 25680     | 2.97   | cps   |
| Molybdenum | 98-1  | 66573     | 65250     | 65527     | 65783     | 1.06   | cps   |
| Neodymium  | 150-1 | 267       | 213       | 293       | 258       | 15.80  | cps   |
| Neodymium  | 150-2 | 97        | 123       | 97        | 106       | 14.59  | cps   |
| Nickel     | 60-2  | 43832     | 44986     | 45189     | 44669     | 1.64   | cps   |
| Phosphorus | 31-2  | 308       | 367       | 342       | 339       | 8.64   | cps   |
| Potassium  | 39-2  | 67654768  | 67839349  | 68821064  | 68105061  | 0.92   | cps   |
| Rhodium    | 103-1 | 9186584   | 9202632   | 9337276   | 9242164   | 0.90   | cps   |
| Rhodium    | 103-2 | 4236013   | 4313812   | 4353130   | 4300985   | 1.39   | cps   |
| Scandium   | 45-1  | 8015622   | 7991638   | 8175349   | 8060870   | 1.24   | cps   |
| Scandium   | 45-2  | 342146    | 342523    | 350383    | 345017    | 1.35   | cps   |
| Selenium   | 77-2  | 7         | 10        | 10        | 9         | 21.63  | cps   |
| Selenium   | 78-2  | 35        | 35        | 74        | 48        | 46.62  | cps   |
| Selenium   | 82-1  | 225       | 80        | 142       | 149       | 49.04  | cps   |
| Silicon    | 28-1  | 791777    | 813162    | 812385    | 805774    | 1.51   | cps   |
| Silver     | 109-1 | 1509      | 1408      | 1467      | 1461      | 3.44   | cps   |
| Silver     | 107-1 | 1425      | 1567      | 1784      | 1592      | 11.34  | cps   |
| Sodium     | 23-2  | 317338215 | 320489799 | 324770941 | 320866318 | 1.16   | cps   |
| Strontium  | 86-1  | 17586     | 17953     | 18354     | 17965     | 2.14   | cps   |
| Strontium  | 88-1  | 151013    | 153192    | 152849    | 152351    | 0.77   | cps   |
| Sulfur     | 34-1  | 220093    | 225785    | 233229    | 226369    | 2.91   | cps   |
| Terbium    | 159-1 | 17011564  | 16890440  | 17041086  | 16981030  | 0.47   | cps   |
| Terbium    | 159-2 | 8267116   | 8348429   | 8370329   | 8328625   | 0.65   | cps   |
| Thallium   | 203-1 | 3892      | 3609      | 3667      | 3723      | 4.02   | cps   |
| Thallium   | 205-1 | 8678      | 8420      | 8670      | 8589      | 1.71   | cps   |
| Thorium    | 232-1 | 13602     | 11839     | 11956     | 12466     | 7.91   | cps   |
| Tin        | 118-1 | 13549     | 13382     | 13482     | 13471     | 0.62   | cps   |
| Titanium   | 47-1  | 4209      | 4651      | 4676      | 4512      | 5.82   | cps   |
| Uranium    | 238-1 | 8878      | 8887      | 9671      | 9145      | 4.98   | cps   |
| Vanadium   | 51-2  | 1157      | 1027      | 1130      | 1105      | 6.22   | cps   |
| Yttrium    | 89-1  | 12168414  | 12347230  | 12368884  | 12294843  | 0.89   | cps   |
| Yttrium    | 89-2  | 1634787   | 1676829   | 1692054   | 1667890   | 1.78   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7                  |
| Client Sample ID :      | S8                  | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:29:48 | DataFile Name :   | 016CALS_P7121518-MS |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 8853  | 9260  | 9390  | 9167    | 3.06   | cps   |
| Zirconium | 90-1 | 10638 | 10579 | 11030 | 10749   | 2.28   | cps   |
| Zirconium | 91-1 | 2284  | 2500  | 2009  | 2264    | 10.89  | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:34:34 | DataFile Name :   | 017ICV01_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 78615    | 79762    | 80618    | 79665    | 1.26   | cps   |
| Antimony   | 121-1 | 2387612  | 2417017  | 2403374  | 2402668  | 0.61   | cps   |
| Arsenic    | 75-2  | 77996    | 79182    | 79152    | 78777    | 0.86   | cps   |
| Barium     | 135-1 | 324806   | 325048   | 330038   | 326630   | 0.90   | cps   |
| Barium     | 137-1 | 569982   | 571857   | 577962   | 573267   | 0.73   | cps   |
| Beryllium  | 9-1   | 427065   | 430542   | 425942   | 427850   | 0.56   | cps   |
| Bismuth    | 209-1 | 12803421 | 12725035 | 12827508 | 12785321 | 0.42   | cps   |
| Bismuth    | 209-2 | 7549605  | 7450716  | 7492690  | 7497670  | 0.66   | cps   |
| Boron      | 10-1  | 417294   | 421766   | 419655   | 419571   | 0.53   | cps   |
| Boron      | 11-1  | 1875937  | 1905841  | 1917464  | 1899747  | 1.13   | cps   |
| Cadmium    | 111-1 | 390290   | 389082   | 392090   | 390487   | 0.39   | cps   |
| Cadmium    | 106-1 | 72503    | 69840    | 71514    | 71286    | 1.89   | cps   |
| Cadmium    | 108-1 | 37742    | 37516    | 37563    | 37607    | 0.32   | cps   |
| Calcium    | 43-1  | 111579   | 108572   | 111434   | 110529   | 1.53   | cps   |
| Calcium    | 44-1  | 1624726  | 1616036  | 1625475  | 1622079  | 0.32   | cps   |
| Chromium   | 52-2  | 378092   | 376330   | 379255   | 377893   | 0.39   | cps   |
| Cobalt     | 59-2  | 625540   | 622045   | 627144   | 624910   | 0.42   | cps   |
| Copper     | 63-2  | 444587   | 443324   | 442910   | 443607   | 0.20   | cps   |
| Dysprosium | 156-1 | 25       | 25       | 0        | 17       | 86.60  | cps   |
| Dysprosium | 156-2 | 13       | 10       | 3        | 9        | 57.30  | cps   |
| Erbium     | 164-1 | 158      | 167      | 117      | 147      | 18.20  | cps   |
| Erbium     | 164-2 | 93       | 97       | 53       | 81       | 29.73  | cps   |
| Gadolinium | 160-1 | 42       | 108      | 50       | 67       | 54.49  | cps   |
| Gadolinium | 160-2 | 260      | 257      | 253      | 257      | 1.30   | cps   |
| Holmium    | 165-1 | 18909763 | 18943317 | 19037138 | 18963406 | 0.35   | cps   |
| Holmium    | 165-2 | 9830064  | 9686862  | 9803001  | 9773309  | 0.78   | cps   |
| Indium     | 115-1 | 13835594 | 13854606 | 13889327 | 13859842 | 0.20   | cps   |
| Indium     | 115-2 | 2552241  | 2503317  | 2542322  | 2532627  | 1.02   | cps   |
| Iron       | 56-2  | 3299463  | 3318978  | 3365412  | 3327951  | 1.02   | cps   |
| Iron       | 57-2  | 83280    | 82654    | 84872    | 83602    | 1.37   | cps   |
| Krypton    | 83-1  | 403      | 317      | 387      | 369      | 12.47  | cps   |
| Lead       | 206-1 | 2458007  | 2450636  | 2452940  | 2453861  | 0.15   | cps   |
| Lead       | 207-1 | 2111547  | 2098919  | 2125104  | 2111857  | 0.62   | cps   |
| Lead       | 208-1 | 9646300  | 9654503  | 9729496  | 9676766  | 0.47   | cps   |
| Lithium    | 6-1   | 6909300  | 6958100  | 6908053  | 6925151  | 0.41   | cps   |
| Magnesium  | 24-2  | 430048   | 424597   | 429364   | 428003   | 0.69   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:34:34 | DataFile Name :   | 017ICV01_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 229599   | 233289   | 231696   | 231528   | 0.80   | cps   |
| Molybdenum | 94-1  | 5560796  | 5529722  | 5550288  | 5546935  | 0.28   | cps   |
| Molybdenum | 95-1  | 2760531  | 2754835  | 2749527  | 2754965  | 0.20   | cps   |
| Molybdenum | 96-1  | 3625967  | 3633224  | 3632272  | 3630488  | 0.11   | cps   |
| Molybdenum | 97-1  | 1722772  | 1735208  | 1737815  | 1731931  | 0.46   | cps   |
| Molybdenum | 98-1  | 4440224  | 4462567  | 4443691  | 4448827  | 0.27   | cps   |
| Neodymium  | 150-1 | 27       | 20       | 40       | 29       | 35.25  | cps   |
| Neodymium  | 150-2 | 0        | 3        | 7        | 3        | 100.05 | cps   |
| Nickel     | 60-2  | 162826   | 164113   | 165620   | 164187   | 0.85   | cps   |
| Phosphorus | 31-2  | 275      | 225      | 292      | 264      | 13.15  | cps   |
| Potassium  | 39-2  | 582648   | 573932   | 583251   | 579944   | 0.90   | cps   |
| Rhodium    | 103-1 | 12403675 | 12492237 | 12292485 | 12396132 | 0.81   | cps   |
| Rhodium    | 103-2 | 5721849  | 5623327  | 5714931  | 5686702  | 0.97   | cps   |
| Scandium   | 45-1  | 9488389  | 9431470  | 9472667  | 9464175  | 0.31   | cps   |
| Scandium   | 45-2  | 386550   | 379979   | 383059   | 383196   | 0.86   | cps   |
| Selenium   | 77-2  | 2287     | 2400     | 2380     | 2356     | 2.57   | cps   |
| Selenium   | 78-2  | 8023     | 7982     | 7880     | 7962     | 0.92   | cps   |
| Selenium   | 82-1  | 57817    | 58284    | 58723    | 58275    | 0.78   | cps   |
| Silicon    | 28-1  | 4574487  | 4428750  | 4451017  | 4484752  | 1.75   | cps   |
| Silver     | 109-1 | 1644419  | 1648705  | 1650349  | 1647824  | 0.19   | cps   |
| Silver     | 107-1 | 1723453  | 1725117  | 1731409  | 1726660  | 0.24   | cps   |
| Sodium     | 23-2  | 1391074  | 1388999  | 1400837  | 1393637  | 0.45   | cps   |
| Strontium  | 86-1  | 2218522  | 2220869  | 2232845  | 2224079  | 0.35   | cps   |
| Strontium  | 88-1  | 19170960 | 19128991 | 19091133 | 19130361 | 0.21   | cps   |
| Sulfur     | 34-1  | 249963   | 253345   | 246422   | 249910   | 1.39   | cps   |
| Terbium    | 159-1 | 19037803 | 19211992 | 19177740 | 19142512 | 0.48   | cps   |
| Terbium    | 159-2 | 9539269  | 9392794  | 9457560  | 9463208  | 0.78   | cps   |
| Thallium   | 203-1 | 2977578  | 3001588  | 3025186  | 3001451  | 0.79   | cps   |
| Thallium   | 205-1 | 7185295  | 7146885  | 7152022  | 7161401  | 0.29   | cps   |
| Thorium    | 232-1 | 11789    | 10332    | 9454     | 10525    | 11.21  | cps   |
| Tin        | 118-1 | 4818967  | 4850246  | 4876163  | 4848459  | 0.59   | cps   |
| Titanium   | 47-1  | 856911   | 851550   | 855221   | 854560   | 0.32   | cps   |
| Uranium    | 238-1 | 26402682 | 26235218 | 26553788 | 26397229 | 0.60   | cps   |
| Vanadium   | 51-2  | 302167   | 299677   | 302734   | 301526   | 0.54   | cps   |
| Yttrium    | 89-1  | 14185591 | 14299198 | 14151237 | 14212009 | 0.54   | cps   |
| Yttrium    | 89-2  | 1909840  | 1881249  | 1921644  | 1904244  | 1.09   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:34:34 | DataFile Name :   | 017ICV01_P7121518-MS |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zinc      | 66-2 | 140313   | 139710   | 140564   | 140196   | 0.31   | cps   |
| Zirconium | 90-1 | 11030889 | 10952642 | 11070313 | 11017948 | 0.54   | cps   |
| Zirconium | 91-1 | 2456830  | 2438934  | 2461326  | 2452363  | 0.48   | cps   |

|                         |                     |                   |                       |
|-------------------------|---------------------|-------------------|-----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal                |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7                    |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1                     |
| Date & Time Acquired :: | 2018-12-15 15:38:53 | DataFile Name :   | 018LLIC_P7121518-MS.I |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 3009     | 2784     | 3117     | 2970     | 5.73   | cps   |
| Antimony   | 121-1 | 24314    | 24238    | 24272    | 24275    | 0.16   | cps   |
| Arsenic    | 75-2  | 400      | 374      | 378      | 384      | 3.65   | cps   |
| Barium     | 135-1 | 31653    | 31420    | 31804    | 31626    | 0.61   | cps   |
| Barium     | 137-1 | 54675    | 55394    | 55261    | 55110    | 0.69   | cps   |
| Beryllium  | 9-1   | 4212     | 4373     | 4651     | 4412     | 5.03   | cps   |
| Bismuth    | 209-1 | 12976001 | 13003351 | 12946628 | 12975326 | 0.22   | cps   |
| Bismuth    | 209-2 | 7665013  | 7487800  | 7605672  | 7586161  | 1.19   | cps   |
| Boron      | 10-1  | 27100    | 26725    | 27493    | 27106    | 1.42   | cps   |
| Boron      | 11-1  | 121764   | 123736   | 125746   | 123749   | 1.61   | cps   |
| Cadmium    | 111-1 | 6818     | 6729     | 6845     | 6797     | 0.89   | cps   |
| Cadmium    | 106-1 | 5043     | 4751     | 5193     | 4996     | 4.50   | cps   |
| Cadmium    | 108-1 | 304      | 288      | 308      | 300      | 3.67   | cps   |
| Calcium    | 43-1  | 22025    | 22484    | 22969    | 22493    | 2.10   | cps   |
| Calcium    | 44-1  | 359821   | 363090   | 361446   | 361452   | 0.45   | cps   |
| Chromium   | 52-2  | 8639     | 8513     | 8262     | 8471     | 2.26   | cps   |
| Cobalt     | 59-2  | 6228     | 6098     | 6558     | 6295     | 3.77   | cps   |
| Copper     | 63-2  | 9050     | 8876     | 8763     | 8896     | 1.62   | cps   |
| Dysprosium | 156-1 | 17       | 8        | 8        | 11       | 43.34  | cps   |
| Dysprosium | 156-2 | 3        | 3        | 10       | 6        | 69.34  | cps   |
| Erbium     | 164-1 | 58       | 83       | 42       | 61       | 34.32  | cps   |
| Erbium     | 164-2 | 23       | 30       | 17       | 23       | 28.56  | cps   |
| Gadolinium | 160-1 | 50       | 58       | 58       | 56       | 8.67   | cps   |
| Gadolinium | 160-2 | 240      | 267      | 240      | 249      | 6.18   | cps   |
| Holmium    | 165-1 | 19325730 | 19381031 | 19325893 | 19344218 | 0.16   | cps   |
| Holmium    | 165-2 | 10028227 | 9712749  | 9840250  | 9860409  | 1.61   | cps   |
| Indium     | 115-1 | 14343274 | 14267883 | 14249563 | 14286907 | 0.35   | cps   |
| Indium     | 115-2 | 2566795  | 2515395  | 2556394  | 2546195  | 1.07   | cps   |
| Iron       | 56-2  | 178211   | 179775   | 177746   | 178577   | 0.60   | cps   |
| Iron       | 57-2  | 4473     | 4706     | 4556     | 4579     | 2.58   | cps   |
| Krypton    | 83-1  | 327      | 350      | 327      | 334      | 4.03   | cps   |
| Lead       | 206-1 | 11922    | 11889    | 11711    | 11841    | 0.96   | cps   |
| Lead       | 207-1 | 10321    | 10087    | 10821    | 10410    | 3.60   | cps   |
| Lead       | 208-1 | 47301    | 46717    | 48074    | 47364    | 1.44   | cps   |
| Lithium    | 6-1   | 7049388  | 7073956  | 6989438  | 7037594  | 0.62   | cps   |
| Magnesium  | 24-2  | 175094   | 179832   | 179587   | 178171   | 1.50   | cps   |

|                         |                     |                   |                       |
|-------------------------|---------------------|-------------------|-----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal                |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7                    |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1                     |
| Date & Time Acquired :: | 2018-12-15 15:38:53 | DataFile Name :   | 018LLIC_P7121518-MS.I |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 2427     | 2497     | 2370     | 2431     | 2.61   | cps   |
| Molybdenum | 94-1  | 26083    | 26417    | 27118    | 26539    | 1.99   | cps   |
| Molybdenum | 95-1  | 32672    | 33131    | 33523    | 33109    | 1.29   | cps   |
| Molybdenum | 96-1  | 36548    | 36389    | 35846    | 36261    | 1.02   | cps   |
| Molybdenum | 97-1  | 20182    | 19981    | 20649    | 20271    | 1.69   | cps   |
| Molybdenum | 98-1  | 52506    | 51594    | 53987    | 52696    | 2.29   | cps   |
| Neodymium  | 150-1 | 7        | 0        | 13       | 7        | 99.98  | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 1647     | 1730     | 1783     | 1720     | 4.00   | cps   |
| Phosphorus | 31-2  | 775      | 642      | 683      | 700      | 9.74   | cps   |
| Potassium  | 39-2  | 153847   | 152628   | 153478   | 153318   | 0.41   | cps   |
| Rhodium    | 103-1 | 12756680 | 12759035 | 12840635 | 12785450 | 0.37   | cps   |
| Rhodium    | 103-2 | 5889798  | 5743613  | 5858771  | 5830727  | 1.32   | cps   |
| Scandium   | 45-1  | 9800268  | 9801433  | 9734073  | 9778591  | 0.39   | cps   |
| Scandium   | 45-2  | 386275   | 374893   | 386434   | 382534   | 1.73   | cps   |
| Selenium   | 77-2  | 37       | 47       | 60       | 48       | 24.50  | cps   |
| Selenium   | 78-2  | 269      | 278      | 244      | 264      | 6.53   | cps   |
| Selenium   | 82-1  | 1527     | 1534     | 1567     | 1543     | 1.41   | cps   |
| Silicon    | 28-1  | 368974   | 366908   | 369301   | 368394   | 0.35   | cps   |
| Silver     | 109-1 | 16786    | 16118    | 16018    | 16307    | 2.56   | cps   |
| Silver     | 107-1 | 17261    | 17253    | 16852    | 17122    | 1.37   | cps   |
| Sodium     | 23-2  | 363593   | 360976   | 359165   | 361245   | 0.62   | cps   |
| Strontium  | 86-1  | 4493     | 4651     | 4734     | 4626     | 2.66   | cps   |
| Strontium  | 88-1  | 36640    | 37007    | 37099    | 36915    | 0.66   | cps   |
| Sulfur     | 34-1  | 256491   | 254784   | 255758   | 255678   | 0.33   | cps   |
| Terbium    | 159-1 | 19438234 | 19562751 | 19384195 | 19461727 | 0.47   | cps   |
| Terbium    | 159-2 | 9692228  | 9453207  | 9581178  | 9575537  | 1.25   | cps   |
| Thallium   | 203-1 | 14892    | 15059    | 14392    | 14781    | 2.35   | cps   |
| Thallium   | 205-1 | 34471    | 34839    | 35381    | 34897    | 1.31   | cps   |
| Thorium    | 232-1 | 47135    | 47525    | 46316    | 46992    | 1.31   | cps   |
| Tin        | 118-1 | 58405    | 56355    | 57761    | 57507    | 1.82   | cps   |
| Titanium   | 47-1  | 10146    | 10337    | 10246    | 10243    | 0.94   | cps   |
| Uranium    | 238-1 | 43273    | 45289    | 45523    | 44695    | 2.77   | cps   |
| Vanadium   | 51-2  | 16002    | 15932    | 15725    | 15887    | 0.91   | cps   |
| Yttrium    | 89-1  | 14631515 | 14701095 | 14542597 | 14625069 | 0.54   | cps   |
| Yttrium    | 89-2  | 1922822  | 1877391  | 1923929  | 1908047  | 1.39   | cps   |

|                         |                     |                   |                       |
|-------------------------|---------------------|-------------------|-----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal                |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7                    |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1                     |
| Date & Time Acquired :: | 2018-12-15 15:38:53 | DataFile Name :   | 018LLIC_P7121518-MS.I |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 1940  | 1967  | 1964  | 1957    | 0.74   | cps   |
| Zirconium | 90-1 | 22402 | 22034 | 22051 | 22162   | 0.94   | cps   |
| Zirconium | 91-1 | 4826  | 4726  | 5243  | 4932    | 5.56   | cps   |

LB Number : LB99847 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-12-15 15:42:29 DataFile Name : 019CCBE\_P7121518-M5

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 67       | 42       | 50       | 53       | 24.12  | cps   |
| Antimony   | 121-1 | 458      | 458      | 425      | 447      | 4.30   | cps   |
| Arsenic    | 75-2  | 6        | 4        | 7        | 6        | 33.38  | cps   |
| Barium     | 135-1 | 8        | 17       | 75       | 33       | 108.97 | cps   |
| Barium     | 137-1 | 58       | 42       | 58       | 53       | 18.23  | cps   |
| Beryllium  | 9-1   | 106      | 89       | 111      | 102      | 11.35  | cps   |
| Bismuth    | 209-1 | 12837461 | 12837337 | 12818344 | 12831047 | 0.09   | cps   |
| Bismuth    | 209-2 | 7595445  | 7652577  | 7653550  | 7633857  | 0.44   | cps   |
| Boron      | 10-1  | 6218     | 7435     | 6593     | 6749     | 9.24   | cps   |
| Boron      | 11-1  | 31426    | 31801    | 30749    | 31325    | 1.70   | cps   |
| Cadmium    | 111-1 | 3565     | 3189     | 3491     | 3415     | 5.84   | cps   |
| Cadmium    | 106-1 | 5076     | 4493     | 4951     | 4840     | 6.35   | cps   |
| Cadmium    | 108-1 | 13       | 8        | 29       | 17       | 66.16  | cps   |
| Calcium    | 43-1  | 225      | 133      | 142      | 167      | 30.41  | cps   |
| Calcium    | 44-1  | 8062     | 8295     | 8295     | 8217     | 1.64   | cps   |
| Chromium   | 52-2  | 843      | 990      | 853      | 896      | 9.15   | cps   |
| Cobalt     | 59-2  | 110      | 107      | 97       | 104      | 6.64   | cps   |
| Copper     | 63-2  | 333      | 363      | 373      | 357      | 5.84   | cps   |
| Dysprosium | 156-1 | 25       | 8        | 0        | 11       | 114.58 | cps   |
| Dysprosium | 156-2 | 3        | 3        | 7        | 4        | 43.40  | cps   |
| Erbium     | 164-1 | 67       | 75       | 67       | 69       | 6.93   | cps   |
| Erbium     | 164-2 | 27       | 30       | 33       | 30       | 11.10  | cps   |
| Gadolinium | 160-1 | 92       | 33       | 75       | 67       | 45.07  | cps   |
| Gadolinium | 160-2 | 253      | 240      | 203      | 232      | 11.15  | cps   |
| Holmium    | 165-1 | 19264592 | 19076243 | 19130753 | 19157196 | 0.51   | cps   |
| Holmium    | 165-2 | 9880837  | 9927323  | 9931584  | 9913248  | 0.28   | cps   |
| Indium     | 115-1 | 14259345 | 14268816 | 14151375 | 14226512 | 0.46   | cps   |
| Indium     | 115-2 | 2542507  | 2560013  | 2562091  | 2554870  | 0.42   | cps   |
| Iron       | 56-2  | 4473     | 4312     | 4195     | 4327     | 3.23   | cps   |
| Iron       | 57-2  | 106      | 183      | 189      | 159      | 29.26  | cps   |
| Krypton    | 83-1  | 333      | 350      | 307      | 330      | 6.62   | cps   |
| Lead       | 206-1 | 633      | 556      | 517      | 569      | 10.45  | cps   |
| Lead       | 207-1 | 561      | 444      | 378      | 461      | 20.13  | cps   |
| Lead       | 208-1 | 2328     | 2067     | 1895     | 2096     | 10.41  | cps   |
| Lithium    | 6-1   | 6979151  | 6912165  | 6919303  | 6936873  | 0.53   | cps   |
| Magnesium  | 24-2  | 392      | 308      | 375      | 358      | 12.31  | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:42:29 | DataFile Name :   | 019CCBE_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 33       | 67       | 47       | 49       | 34.32  | cps   |
| Molybdenum | 94-1  | 783      | 567      | 758      | 703      | 16.87  | cps   |
| Molybdenum | 95-1  | 325      | 367      | 375      | 356      | 7.53   | cps   |
| Molybdenum | 96-1  | 558      | 483      | 467      | 503      | 9.71   | cps   |
| Molybdenum | 97-1  | 375      | 258      | 233      | 289      | 26.17  | cps   |
| Molybdenum | 98-1  | 575      | 683      | 633      | 631      | 8.60   | cps   |
| Neodymium  | 150-1 | 0        | 7        | 0        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 3        | 7        | 0        | 3        | 100.05 | cps   |
| Nickel     | 60-2  | 80       | 90       | 30       | 67       | 48.22  | cps   |
| Phosphorus | 31-2  | 317      | 258      | 167      | 247      | 30.59  | cps   |
| Potassium  | 39-2  | 12622    | 12656    | 12539    | 12606    | 0.48   | cps   |
| Rhodium    | 103-1 | 12914545 | 12828065 | 12750186 | 12830932 | 0.64   | cps   |
| Rhodium    | 103-2 | 5866918  | 5895537  | 5903959  | 5888805  | 0.33   | cps   |
| Scandium   | 45-1  | 9786979  | 9721667  | 9736553  | 9748399  | 0.35   | cps   |
| Scandium   | 45-2  | 385656   | 387488   | 388185   | 387109   | 0.34   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 43       | 69       | 31       | 48       | 39.99  | cps   |
| Selenium   | 82-1  | 44       | 4        | 72       | 40       | 84.70  | cps   |
| Silicon    | 28-1  | 261158   | 260962   | 261983   | 261367   | 0.21   | cps   |
| Silver     | 109-1 | 200      | 125      | 175      | 167      | 22.91  | cps   |
| Silver     | 107-1 | 167      | 183      | 133      | 161      | 15.80  | cps   |
| Sodium     | 23-2  | 22718    | 21191    | 21533    | 21814    | 3.67   | cps   |
| Strontium  | 86-1  | 525      | 558      | 583      | 556      | 5.27   | cps   |
| Strontium  | 88-1  | 200      | 258      | 225      | 228      | 12.85  | cps   |
| Sulfur     | 34-1  | 258904   | 258971   | 260856   | 259577   | 0.43   | cps   |
| Terbium    | 159-1 | 19266845 | 19271148 | 19240023 | 19259339 | 0.09   | cps   |
| Terbium    | 159-2 | 9572060  | 9672825  | 9639490  | 9628125  | 0.53   | cps   |
| Thallium   | 203-1 | 692      | 683      | 600      | 658      | 7.70   | cps   |
| Thallium   | 205-1 | 1333     | 1559     | 1575     | 1489     | 9.07   | cps   |
| Thorium    | 232-1 | 1211     | 1161     | 1256     | 1209     | 3.91   | cps   |
| Tin        | 118-1 | 1442     | 1275     | 1283     | 1333     | 7.04   | cps   |
| Titanium   | 47-1  | 125      | 133      | 100      | 119      | 14.53  | cps   |
| Uranium    | 238-1 | 183      | 275      | 242      | 233      | 19.88  | cps   |
| Vanadium   | 51-2  | 13       | 3        | 10       | 9        | 57.30  | cps   |
| Yttrium    | 89-1  | 14638259 | 14687951 | 14529084 | 14618431 | 0.56   | cps   |
| Yttrium    | 89-2  | 1896899  | 1919377  | 1914045  | 1910107  | 0.61   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7                  |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:42:29 | DataFile Name :   | 019CCBE_P7121518-MS |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 543  | 473  | 403  | 473     | 14.79  | cps   |
| Zirconium | 90-1 | 1292 | 1225 | 1383 | 1300    | 6.12   | cps   |
| Zirconium | 91-1 | 267  | 275  | 300  | 281     | 6.18   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:46:04 | DataFile Name :   | 020ICSA01_P7121518-M |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 12846801  | 12822270  | 12869463  | 12846178  | 0.18   | cps   |
| Antimony   | 121-1 | 13407     | 12598     | 12973     | 12993     | 3.12   | cps   |
| Arsenic    | 75-2  | 109       | 141       | 109       | 120       | 15.18  | cps   |
| Barium     | 135-1 | 4609      | 4459      | 4826      | 4632      | 3.98   | cps   |
| Barium     | 137-1 | 7903      | 7894      | 8028      | 7942      | 0.94   | cps   |
| Beryllium  | 9-1   | 1145      | 1122      | 1078      | 1115      | 3.04   | cps   |
| Bismuth    | 209-1 | 11015068  | 11045339  | 11080499  | 11046969  | 0.30   | cps   |
| Bismuth    | 209-2 | 6471239   | 6446085   | 6505322   | 6474215   | 0.46   | cps   |
| Boron      | 10-1  | 5801      | 5793      | 5843      | 5812      | 0.46   | cps   |
| Boron      | 11-1  | 25731     | 25547     | 26315     | 25865     | 1.55   | cps   |
| Cadmium    | 111-1 | 4654      | 4473      | 4462      | 4530      | 2.38   | cps   |
| Cadmium    | 106-1 | 4351      | 4159      | 4217      | 4242      | 2.32   | cps   |
| Cadmium    | 108-1 | 2834      | 2692      | 2784      | 2770      | 2.59   | cps   |
| Calcium    | 43-1  | 4052929   | 4071027   | 4110086   | 4078014   | 0.72   | cps   |
| Calcium    | 44-1  | 66605326  | 66268537  | 66769710  | 66547858  | 0.38   | cps   |
| Chromium   | 52-2  | 70166     | 70765     | 70987     | 70639     | 0.60   | cps   |
| Cobalt     | 59-2  | 6622      | 6648      | 6862      | 6711      | 1.96   | cps   |
| Copper     | 63-2  | 28655     | 28976     | 29116     | 28915     | 0.82   | cps   |
| Dysprosium | 156-1 | 108       | 75        | 67        | 83        | 26.46  | cps   |
| Dysprosium | 156-2 | 20        | 47        | 30        | 32        | 41.81  | cps   |
| Erbium     | 164-1 | 200       | 83        | 183       | 156       | 40.56  | cps   |
| Erbium     | 164-2 | 57        | 53        | 60        | 57        | 5.89   | cps   |
| Gadolinium | 160-1 | 67        | 83        | 58        | 69        | 18.33  | cps   |
| Gadolinium | 160-2 | 210       | 253       | 213       | 226       | 10.69  | cps   |
| Holmium    | 165-1 | 18076355  | 18343802  | 18365134  | 18261764  | 0.88   | cps   |
| Holmium    | 165-2 | 9291931   | 9307386   | 9349422   | 9316246   | 0.32   | cps   |
| Indium     | 115-1 | 12510912  | 12641175  | 12595747  | 12582612  | 0.53   | cps   |
| Indium     | 115-2 | 2255616   | 2267391   | 2296564   | 2273190   | 0.93   | cps   |
| Iron       | 56-2  | 306126762 | 305568251 | 306083285 | 305926099 | 0.10   | cps   |
| Iron       | 57-2  | 7410920   | 7399708   | 7457789   | 7422806   | 0.42   | cps   |
| Krypton    | 83-1  | 350       | 280       | 300       | 310       | 11.63  | cps   |
| Lead       | 206-1 | 50284     | 51087     | 51305     | 50892     | 1.06   | cps   |
| Lead       | 207-1 | 40000     | 39855     | 39788     | 39881     | 0.27   | cps   |
| Lead       | 208-1 | 188528    | 190027    | 190417    | 189657    | 0.53   | cps   |
| Lithium    | 6-1   | 6257737   | 6197115   | 6209665   | 6221506   | 0.51   | cps   |
| Magnesium  | 24-2  | 32142987  | 32269989  | 32624323  | 32345766  | 0.77   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:46:04 | DataFile Name :   | 020ICSA01_P7121518-M |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 17023    | 17224    | 17120    | 17122    | 0.58   | cps   |
| Molybdenum | 94-1  | 6523845  | 6504080  | 6587186  | 6538370  | 0.66   | cps   |
| Molybdenum | 95-1  | 11587254 | 11566365 | 11645729 | 11599783 | 0.35   | cps   |
| Molybdenum | 96-1  | 12428569 | 12408692 | 12392378 | 12409879 | 0.15   | cps   |
| Molybdenum | 97-1  | 7262660  | 7298379  | 7236842  | 7265960  | 0.43   | cps   |
| Molybdenum | 98-1  | 18548492 | 18640733 | 18734418 | 18641214 | 0.50   | cps   |
| Neodymium  | 150-1 | 53       | 67       | 80       | 67       | 19.99  | cps   |
| Neodymium  | 150-2 | 33       | 23       | 7        | 21       | 63.80  | cps   |
| Nickel     | 60-2  | 7532     | 7602     | 7902     | 7679     | 2.56   | cps   |
| Phosphorus | 31-2  | 694602   | 691576   | 696003   | 694060   | 0.33   | cps   |
| Potassium  | 39-2  | 26798926 | 26666935 | 26885702 | 26783854 | 0.41   | cps   |
| Rhodium    | 103-1 | 10628502 | 10679402 | 10671883 | 10659929 | 0.26   | cps   |
| Rhodium    | 103-2 | 4850640  | 4920759  | 4974801  | 4915400  | 1.27   | cps   |
| Scandium   | 45-1  | 8618588  | 8611092  | 8645404  | 8625028  | 0.21   | cps   |
| Scandium   | 45-2  | 346305   | 348031   | 351083   | 348473   | 0.69   | cps   |
| Selenium   | 77-2  | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Selenium   | 78-2  | 44       | 35       | 41       | 40       | 11.61  | cps   |
| Selenium   | 82-1  | 46       | 137      | 54       | 79       | 63.53  | cps   |
| Silicon    | 28-1  | 443220   | 447788   | 455077   | 448695   | 1.33   | cps   |
| Silver     | 109-1 | 817      | 942      | 1008     | 922      | 10.55  | cps   |
| Silver     | 107-1 | 783      | 942      | 942      | 889      | 10.28  | cps   |
| Sodium     | 23-2  | 62403722 | 62582487 | 63275016 | 62753742 | 0.73   | cps   |
| Strontium  | 86-1  | 135232   | 137569   | 136223   | 136341   | 0.86   | cps   |
| Strontium  | 88-1  | 1177757  | 1182274  | 1193350  | 1184460  | 0.68   | cps   |
| Sulfur     | 34-1  | 7250459  | 7182090  | 7343304  | 7258618  | 1.11   | cps   |
| Terbium    | 159-1 | 18292173 | 18187848 | 18287742 | 18255921 | 0.32   | cps   |
| Terbium    | 159-2 | 9013920  | 8966701  | 9033046  | 9004556  | 0.38   | cps   |
| Thallium   | 203-1 | 1592     | 2000     | 2150     | 1914     | 15.10  | cps   |
| Thallium   | 205-1 | 4059     | 4859     | 4951     | 4623     | 10.61  | cps   |
| Thorium    | 232-1 | 1156     | 1183     | 1150     | 1163     | 1.54   | cps   |
| Tin        | 118-1 | 2709     | 2809     | 2842     | 2787     | 2.49   | cps   |
| Titanium   | 47-1  | 3540152  | 3578773  | 3604505  | 3574476  | 0.91   | cps   |
| Uranium    | 238-1 | 608      | 933      | 867      | 803      | 21.38  | cps   |
| Vanadium   | 51-2  | 417      | 460      | 457      | 444      | 5.43   | cps   |
| Yttrium    | 89-1  | 13128943 | 13201156 | 13239070 | 13189723 | 0.42   | cps   |
| Yttrium    | 89-2  | 1733976  | 1750882  | 1761274  | 1748711  | 0.79   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:46:04 | DataFile Name :   | 020ICSA01_P7121518-M |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 9000 | 8806 | 8813 | 8873    | 1.24   | cps   |
| Zirconium | 90-1 | 2009 | 1550 | 1850 | 1803    | 12.91  | cps   |
| Zirconium | 91-1 | 458  | 358  | 317  | 378     | 19.27  | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:49:40 | DataFile Name :   | 021ICSB_P7121518-MS. |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 12895752  | 13078832  | 12996919  | 12990501  | 0.71   | cps   |
| Antimony   | 121-1 | 238222    | 238240    | 240958    | 239140    | 0.66   | cps   |
| Arsenic    | 75-2  | 6946      | 7143      | 7098      | 7062      | 1.46   | cps   |
| Barium     | 135-1 | 68134     | 68261     | 67154     | 67850     | 0.89   | cps   |
| Barium     | 137-1 | 119796    | 121737    | 119695    | 120410    | 0.96   | cps   |
| Beryllium  | 9-1   | 77396     | 79016     | 77989     | 78134     | 1.05   | cps   |
| Bismuth    | 209-1 | 11170579  | 11539653  | 11330454  | 11346895  | 1.63   | cps   |
| Bismuth    | 209-2 | 6559605   | 6546150   | 6506416   | 6537390   | 0.42   | cps   |
| Boron      | 10-1  | 50059     | 52601     | 52434     | 51698     | 2.75   | cps   |
| Boron      | 11-1  | 231206    | 235173    | 240605    | 235661    | 2.00   | cps   |
| Cadmium    | 111-1 | 68129     | 67659     | 69534     | 68441     | 1.43   | cps   |
| Cadmium    | 106-1 | 9921      | 9554      | 9895      | 9790      | 2.09   | cps   |
| Cadmium    | 108-1 | 6848      | 6985      | 7410      | 7081      | 4.14   | cps   |
| Calcium    | 43-1  | 4185983   | 4238957   | 4301175   | 4242038   | 1.36   | cps   |
| Calcium    | 44-1  | 68257270  | 68605916  | 68889656  | 68584281  | 0.46   | cps   |
| Chromium   | 52-2  | 141669    | 142524    | 142908    | 142367    | 0.45   | cps   |
| Cobalt     | 59-2  | 120325    | 119296    | 121498    | 120373    | 0.92   | cps   |
| Copper     | 63-2  | 106585    | 106440    | 108364    | 107130    | 1.00   | cps   |
| Dysprosium | 156-1 | 42        | 108       | 50        | 67        | 54.49  | cps   |
| Dysprosium | 156-2 | 27        | 37        | 37        | 33        | 17.32  | cps   |
| Erbium     | 164-1 | 92        | 167       | 100       | 119       | 34.42  | cps   |
| Erbium     | 164-2 | 77        | 63        | 60        | 67        | 13.23  | cps   |
| Gadolinium | 160-1 | 175       | 92        | 133       | 133       | 31.25  | cps   |
| Gadolinium | 160-2 | 187       | 223       | 240       | 217       | 12.59  | cps   |
| Holmium    | 165-1 | 18383092  | 19145235  | 18783502  | 18770610  | 2.03   | cps   |
| Holmium    | 165-2 | 9525268   | 9443972   | 9351279   | 9440173   | 0.92   | cps   |
| Indium     | 115-1 | 12698676  | 13298908  | 12961502  | 12986362  | 2.32   | cps   |
| Indium     | 115-2 | 2306723   | 2309077   | 2308262   | 2308021   | 0.05   | cps   |
| Iron       | 56-2  | 309128362 | 313320096 | 311442140 | 311296866 | 0.67   | cps   |
| Iron       | 57-2  | 7519802   | 7543865   | 7537710   | 7533792   | 0.17   | cps   |
| Krypton    | 83-1  | 367       | 260       | 387       | 338       | 20.16  | cps   |
| Lead       | 206-1 | 283380    | 284287    | 284878    | 284182    | 0.27   | cps   |
| Lead       | 207-1 | 231088    | 233096    | 235402    | 233195    | 0.93   | cps   |
| Lead       | 208-1 | 1078311   | 1085492   | 1097430   | 1087077   | 0.89   | cps   |
| Lithium    | 6-1   | 6276933   | 6470057   | 6324897   | 6357295   | 1.58   | cps   |
| Magnesium  | 24-2  | 32462729  | 32906518  | 32700560  | 32689936  | 0.68   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:49:40 | DataFile Name :   | 021ICSB_P7121518-MS. |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 61321    | 60394    | 61146    | 60954    | 0.81   | cps   |
| Molybdenum | 94-1  | 6928437  | 6926683  | 6959170  | 6938097  | 0.26   | cps   |
| Molybdenum | 95-1  | 12247267 | 12291313 | 12390735 | 12309772 | 0.60   | cps   |
| Molybdenum | 96-1  | 13131573 | 13256665 | 13260034 | 13216091 | 0.55   | cps   |
| Molybdenum | 97-1  | 7656295  | 7677243  | 7720308  | 7684615  | 0.42   | cps   |
| Molybdenum | 98-1  | 19743057 | 19687954 | 19890747 | 19773919 | 0.53   | cps   |
| Neodymium  | 150-1 | 60       | 107      | 60       | 76       | 35.66  | cps   |
| Neodymium  | 150-2 | 23       | 13       | 10       | 16       | 44.60  | cps   |
| Nickel     | 60-2  | 36335    | 36606    | 36990    | 36644    | 0.90   | cps   |
| Phosphorus | 31-2  | 689874   | 703105   | 707033   | 700004   | 1.28   | cps   |
| Potassium  | 39-2  | 26831216 | 27043345 | 27254680 | 27043080 | 0.78   | cps   |
| Rhodium    | 103-1 | 10862928 | 11182639 | 10942358 | 10995975 | 1.51   | cps   |
| Rhodium    | 103-2 | 5021223  | 4999794  | 4998266  | 5006428  | 0.26   | cps   |
| Scandium   | 45-1  | 8762950  | 9112992  | 8937589  | 8937844  | 1.96   | cps   |
| Scandium   | 45-2  | 358442   | 359604   | 356430   | 358159   | 0.45   | cps   |
| Selenium   | 77-2  | 210      | 213      | 177      | 200      | 10.14  | cps   |
| Selenium   | 78-2  | 791      | 678      | 741      | 736      | 7.69   | cps   |
| Selenium   | 82-1  | 4970     | 5105     | 4921     | 4999     | 1.91   | cps   |
| Silicon    | 28-1  | 1014329  | 1021007  | 1036131  | 1023822  | 1.09   | cps   |
| Silver     | 109-1 | 281849   | 286927   | 286601   | 285125   | 1.00   | cps   |
| Silver     | 107-1 | 295178   | 296903   | 296980   | 296354   | 0.34   | cps   |
| Sodium     | 23-2  | 63816374 | 64029737 | 63854799 | 63900304 | 0.18   | cps   |
| Strontium  | 86-1  | 139916   | 143411   | 142584   | 141970   | 1.29   | cps   |
| Strontium  | 88-1  | 1229820  | 1237922  | 1227107  | 1231616  | 0.46   | cps   |
| Sulfur     | 34-1  | 7467978  | 7465341  | 7498362  | 7477227  | 0.25   | cps   |
| Terbium    | 159-1 | 18503251 | 19283393 | 18670437 | 18819027 | 2.18   | cps   |
| Terbium    | 159-2 | 9167913  | 9087537  | 9114079  | 9123176  | 0.45   | cps   |
| Thallium   | 203-1 | 281130   | 282702   | 286069   | 283300   | 0.89   | cps   |
| Thallium   | 205-1 | 679170   | 682949   | 690257   | 684125   | 0.82   | cps   |
| Thorium    | 232-1 | 678      | 861      | 811      | 783      | 12.10  | cps   |
| Tin        | 118-1 | 627602   | 635845   | 638559   | 634002   | 0.90   | cps   |
| Titanium   | 47-1  | 3766350  | 3821094  | 3825895  | 3804447  | 0.87   | cps   |
| Uranium    | 238-1 | 1025     | 825      | 858      | 903      | 11.87  | cps   |
| Vanadium   | 51-2  | 56970    | 58670    | 57850    | 57830    | 1.47   | cps   |
| Yttrium    | 89-1  | 13386091 | 13876506 | 13596129 | 13619575 | 1.81   | cps   |
| Yttrium    | 89-2  | 1785347  | 1790487  | 1778889  | 1784908  | 0.33   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7                   |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:49:40 | DataFile Name :   | 021ICSB_P7121518-MS. |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 18582 | 18362 | 18549 | 18497   | 0.64   | cps   |
| Zirconium | 90-1 | 1700  | 1625  | 1692  | 1672    | 2.46   | cps   |
| Zirconium | 91-1 | 400   | 450   | 442   | 431     | 6.22   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV89               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV89               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:53:16 | DataFile Name :   | 022CCV_P7121518-MS.I |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 7755567   | 7837919   | 7872440   | 7821975   | 0.77   | cps   |
| Antimony   | 121-1 | 5453272   | 5543599   | 5570912   | 5522594   | 1.11   | cps   |
| Arsenic    | 75-2  | 174616    | 175233    | 175570    | 175139    | 0.28   | cps   |
| Barium     | 135-1 | 8009831   | 8010875   | 8010700   | 8010469   | 0.01   | cps   |
| Barium     | 137-1 | 14026241  | 14042466  | 13907325  | 13992011  | 0.53   | cps   |
| Beryllium  | 9-1   | 1889828   | 1893560   | 1903616   | 1895668   | 0.38   | cps   |
| Bismuth    | 209-1 | 10465408  | 10609224  | 10486709  | 10520447  | 0.74   | cps   |
| Bismuth    | 209-2 | 5923916   | 5974297   | 5997008   | 5965074   | 0.63   | cps   |
| Boron      | 10-1  | 372844    | 382064    | 386129    | 380345    | 1.79   | cps   |
| Boron      | 11-1  | 1664194   | 1721863   | 1766699   | 1717585   | 2.99   | cps   |
| Cadmium    | 111-1 | 1534337   | 1561484   | 1563462   | 1553094   | 1.05   | cps   |
| Cadmium    | 106-1 | 171221    | 173980    | 172849    | 172684    | 0.80   | cps   |
| Cadmium    | 108-1 | 115411    | 118338    | 119065    | 117605    | 1.64   | cps   |
| Calcium    | 43-1  | 10798088  | 10878113  | 10905523  | 10860575  | 0.51   | cps   |
| Calcium    | 44-1  | 172577946 | 173876033 | 173137975 | 173197318 | 0.38   | cps   |
| Chromium   | 52-2  | 1915827   | 1915005   | 1926459   | 1919097   | 0.33   | cps   |
| Cobalt     | 59-2  | 2861983   | 2901413   | 2914222   | 2892539   | 0.94   | cps   |
| Copper     | 63-2  | 4039200   | 4072167   | 4066084   | 4059150   | 0.43   | cps   |
| Dysprosium | 156-1 | 158       | 217       | 142       | 172       | 22.87  | cps   |
| Dysprosium | 156-2 | 137       | 133       | 183       | 151       | 18.50  | cps   |
| Erbium     | 164-1 | 33        | 83        | 117       | 78        | 53.92  | cps   |
| Erbium     | 164-2 | 43        | 33        | 43        | 40        | 14.43  | cps   |
| Gadolinium | 160-1 | 117       | 150       | 133       | 133       | 12.50  | cps   |
| Gadolinium | 160-2 | 277       | 247       | 303       | 276       | 10.29  | cps   |
| Holmium    | 165-1 | 18311946  | 18477811  | 18241876  | 18343878  | 0.66   | cps   |
| Holmium    | 165-2 | 9175165   | 9239887   | 9257719   | 9224257   | 0.47   | cps   |
| Indium     | 115-1 | 12191833  | 12440478  | 12367317  | 12333209  | 1.04   | cps   |
| Indium     | 115-2 | 2266454   | 2280529   | 2297089   | 2281357   | 0.67   | cps   |
| Iron       | 56-2  | 392837453 | 397364909 | 398416620 | 396206327 | 0.75   | cps   |
| Iron       | 57-2  | 9571492   | 9619195   | 9635433   | 9608707   | 0.35   | cps   |
| Krypton    | 83-1  | 400       | 387       | 363       | 383       | 4.84   | cps   |
| Lead       | 206-1 | 5378456   | 5449791   | 5500402   | 5442883   | 1.13   | cps   |
| Lead       | 207-1 | 4857399   | 4909086   | 4967084   | 4911189   | 1.12   | cps   |
| Lead       | 208-1 | 22083335  | 22172770  | 22332605  | 22196237  | 0.57   | cps   |
| Lithium    | 6-1   | 5961177   | 6082181   | 6021411   | 6021590   | 1.00   | cps   |
| Magnesium  | 24-2  | 88331979  | 90149954  | 89582327  | 89354753  | 1.04   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV89               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV89               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:53:16 | DataFile Name :   | 022CCV_P7121518-MS.I |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Manganese  | 55-2  | 2268667   | 2286094   | 2292515   | 2282426   | 0.54   | cps   |
| Molybdenum | 94-1  | 12837651  | 12756815  | 12860355  | 12818274  | 0.42   | cps   |
| Molybdenum | 95-1  | 15629541  | 15653746  | 15719004  | 15667430  | 0.30   | cps   |
| Molybdenum | 96-1  | 17471281  | 17382570  | 17483645  | 17445832  | 0.32   | cps   |
| Molybdenum | 97-1  | 9834396   | 9738063   | 9807177   | 9793212   | 0.51   | cps   |
| Molybdenum | 98-1  | 25095073  | 25004078  | 25228198  | 25109116  | 0.45   | cps   |
| Neodymium  | 150-1 | 613       | 607       | 593       | 604       | 1.68   | cps   |
| Neodymium  | 150-2 | 90        | 103       | 80        | 91        | 12.85  | cps   |
| Nickel     | 60-2  | 731218    | 741453    | 738533    | 737068    | 0.72   | cps   |
| Phosphorus | 31-2  | 73842     | 76564     | 75584     | 75330     | 1.83   | cps   |
| Potassium  | 39-2  | 35659356  | 36104352  | 36025475  | 35929728  | 0.66   | cps   |
| Rhodium    | 103-1 | 10312897  | 10388161  | 10244659  | 10315239  | 0.70   | cps   |
| Rhodium    | 103-2 | 4795457   | 4838504   | 4844666   | 4826209   | 0.56   | cps   |
| Scandium   | 45-1  | 8707085   | 8789052   | 8728228   | 8741455   | 0.49   | cps   |
| Scandium   | 45-2  | 366093    | 365735    | 368642    | 366823    | 0.43   | cps   |
| Selenium   | 77-2  | 5174      | 5184      | 5238      | 5199      | 0.66   | cps   |
| Selenium   | 78-2  | 17440     | 17718     | 17681     | 17613     | 0.86   | cps   |
| Selenium   | 82-1  | 125164    | 126421    | 127601    | 126395    | 0.96   | cps   |
| Silicon    | 28-1  | 5681928   | 5820993   | 5936311   | 5813077   | 2.19   | cps   |
| Silver     | 109-1 | 7114869   | 7109748   | 7144073   | 7122897   | 0.26   | cps   |
| Silver     | 107-1 | 7377977   | 7421908   | 7434245   | 7411377   | 0.40   | cps   |
| Sodium     | 23-2  | 166590800 | 168204620 | 166766979 | 167187466 | 0.53   | cps   |
| Strontium  | 86-1  | 2118064   | 2142428   | 2135469   | 2131987   | 0.59   | cps   |
| Strontium  | 88-1  | 18582810  | 18631350  | 18531279  | 18581813  | 0.27   | cps   |
| Sulfur     | 34-1  | 1014531   | 1029581   | 1028975   | 1024362   | 0.83   | cps   |
| Terbium    | 159-1 | 18182269  | 18335045  | 18216587  | 18244634  | 0.44   | cps   |
| Terbium    | 159-2 | 8873424   | 8911020   | 8908104   | 8897516   | 0.24   | cps   |
| Thallium   | 203-1 | 6819474   | 6905488   | 6915248   | 6880070   | 0.77   | cps   |
| Thallium   | 205-1 | 16466838  | 16395766  | 16355994  | 16406200  | 0.34   | cps   |
| Thorium    | 232-1 | 25245546  | 25309862  | 25206533  | 25253980  | 0.21   | cps   |
| Tin        | 118-1 | 5297135   | 5355754   | 5447032   | 5366640   | 1.41   | cps   |
| Titanium   | 47-1  | 4759060   | 4776790   | 4832914   | 4789588   | 0.80   | cps   |
| Uranium    | 238-1 | 24314766  | 24188548  | 24275334  | 24259550  | 0.27   | cps   |
| Vanadium   | 51-2  | 1524592   | 1540012   | 1535598   | 1533401   | 0.52   | cps   |
| Yttrium    | 89-1  | 13303113  | 13414248  | 13239681  | 13319014  | 0.66   | cps   |
| Yttrium    | 89-2  | 1781129   | 1809129   | 1797628   | 1795962   | 0.78   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV89               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV89               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 15:53:16 | DataFile Name :   | 022CCV_P7121518-MS.I |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zinc      | 66-2 | 637797   | 644902   | 649141   | 643947   | 0.89   | cps   |
| Zirconium | 90-1 | 10884320 | 10889152 | 10970573 | 10914682 | 0.44   | cps   |
| Zirconium | 91-1 | 2385355  | 2403836  | 2446388  | 2411860  | 1.30   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB89               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB89               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:57:42 | DataFile Name :   | 023CCBE_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 200      | 242      | 150      | 197      | 23.27  | cps   |
| Antimony   | 121-1 | 1659     | 1625     | 1392     | 1558     | 9.32   | cps   |
| Arsenic    | 75-2  | 13       | 19       | 11       | 14       | 27.17  | cps   |
| Barium     | 135-1 | 242      | 233      | 192      | 222      | 12.05  | cps   |
| Barium     | 137-1 | 375      | 200      | 242      | 272      | 33.58  | cps   |
| Beryllium  | 9-1   | 156      | 172      | 167      | 165      | 5.15   | cps   |
| Bismuth    | 209-1 | 13027887 | 13068480 | 12989366 | 13028577 | 0.30   | cps   |
| Bismuth    | 209-2 | 7617528  | 7622368  | 7621927  | 7620608  | 0.04   | cps   |
| Boron      | 10-1  | 12022    | 11655    | 11363    | 11680    | 2.83   | cps   |
| Boron      | 11-1  | 57184    | 52609    | 51790    | 53861    | 5.40   | cps   |
| Cadmium    | 111-1 | 3511     | 3488     | 3479     | 3493     | 0.47   | cps   |
| Cadmium    | 106-1 | 4876     | 4851     | 4834     | 4854     | 0.43   | cps   |
| Cadmium    | 108-1 | 33       | 17       | 25       | 25       | 33.32  | cps   |
| Calcium    | 43-1  | 358      | 242      | 308      | 303      | 19.33  | cps   |
| Calcium    | 44-1  | 11497    | 11180    | 11189    | 11289    | 1.60   | cps   |
| Chromium   | 52-2  | 960      | 1013     | 1123     | 1032     | 8.07   | cps   |
| Cobalt     | 59-2  | 127      | 100      | 93       | 107      | 16.53  | cps   |
| Copper     | 63-2  | 563      | 500      | 540      | 534      | 5.99   | cps   |
| Dysprosium | 156-1 | 0        | 17       | 8        | 8        | 100.02 | cps   |
| Dysprosium | 156-2 | 0        | 3        | 3        | 2        | 86.60  | cps   |
| Erbium     | 164-1 | 25       | 33       | 92       | 50       | 72.65  | cps   |
| Erbium     | 164-2 | 40       | 20       | 20       | 27       | 43.30  | cps   |
| Gadolinium | 160-1 | 33       | 58       | 108      | 67       | 57.29  | cps   |
| Gadolinium | 160-2 | 270      | 240      | 213      | 241      | 11.76  | cps   |
| Holmium    | 165-1 | 19510590 | 19515607 | 19532743 | 19519647 | 0.06   | cps   |
| Holmium    | 165-2 | 9951776  | 10022608 | 9989798  | 9988061  | 0.35   | cps   |
| Indium     | 115-1 | 14379890 | 14533624 | 14420931 | 14444815 | 0.55   | cps   |
| Indium     | 115-2 | 2553147  | 2565633  | 2574299  | 2564360  | 0.41   | cps   |
| Iron       | 56-2  | 12750    | 12417    | 12361    | 12509    | 1.68   | cps   |
| Iron       | 57-2  | 411      | 339      | 344      | 365      | 11.02  | cps   |
| Krypton    | 83-1  | 373      | 357      | 340      | 357      | 4.67   | cps   |
| Lead       | 206-1 | 895      | 933      | 789      | 872      | 8.57   | cps   |
| Lead       | 207-1 | 689      | 789      | 861      | 780      | 11.09  | cps   |
| Lead       | 208-1 | 3595     | 3673     | 3206     | 3491     | 7.16   | cps   |
| Lithium    | 6-1   | 7071813  | 7111037  | 7067137  | 7083329  | 0.34   | cps   |
| Magnesium  | 24-2  | 1759     | 1633     | 1767     | 1720     | 4.34   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB89               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB89               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:57:42 | DataFile Name :   | 023CCBE_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 70       | 87       | 60       | 72       | 18.66  | cps   |
| Molybdenum | 94-1  | 2234     | 1925     | 1925     | 2028     | 8.78   | cps   |
| Molybdenum | 95-1  | 2250     | 2334     | 1834     | 2139     | 12.52  | cps   |
| Molybdenum | 96-1  | 2592     | 2767     | 2259     | 2539     | 10.17  | cps   |
| Molybdenum | 97-1  | 1308     | 1217     | 1367     | 1297     | 5.83   | cps   |
| Molybdenum | 98-1  | 3634     | 3534     | 3401     | 3523     | 3.32   | cps   |
| Neodymium  | 150-1 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Neodymium  | 150-2 | 3        | 0        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 87       | 50       | 63       | 67       | 27.84  | cps   |
| Phosphorus | 31-2  | 217      | 208      | 258      | 228      | 11.76  | cps   |
| Potassium  | 39-2  | 15759    | 15383    | 14800    | 15314    | 3.16   | cps   |
| Rhodium    | 103-1 | 12983692 | 12974342 | 12876098 | 12944711 | 0.46   | cps   |
| Rhodium    | 103-2 | 5885259  | 5908584  | 5947837  | 5913893  | 0.53   | cps   |
| Scandium   | 45-1  | 9857653  | 9821082  | 9912873  | 9863869  | 0.47   | cps   |
| Scandium   | 45-2  | 391683   | 392642   | 390658   | 391661   | 0.25   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 72       | 35       | 65       | 57       | 34.13  | cps   |
| Selenium   | 82-1  | -2       | 27       | 23       | 16       | 96.85  | cps   |
| Silicon    | 28-1  | 280907   | 274841   | 275012   | 276920   | 1.25   | cps   |
| Silver     | 109-1 | 658      | 550      | 650      | 619      | 9.73   | cps   |
| Silver     | 107-1 | 700      | 692      | 833      | 742      | 10.72  | cps   |
| Sodium     | 23-2  | 47066    | 47242    | 46757    | 47022    | 0.52   | cps   |
| Strontium  | 86-1  | 625      | 592      | 592      | 603      | 3.19   | cps   |
| Strontium  | 88-1  | 583      | 533      | 517      | 544      | 6.37   | cps   |
| Sulfur     | 34-1  | 253753   | 253691   | 253539   | 253661   | 0.04   | cps   |
| Terbium    | 159-1 | 19704148 | 19762489 | 19547860 | 19671499 | 0.56   | cps   |
| Terbium    | 159-2 | 9709854  | 9704825  | 9665339  | 9693340  | 0.25   | cps   |
| Thallium   | 203-1 | 1350     | 1392     | 1342     | 1361     | 1.97   | cps   |
| Thallium   | 205-1 | 2900     | 3042     | 2825     | 2923     | 3.77   | cps   |
| Thorium    | 232-1 | 4662     | 4323     | 4251     | 4412     | 4.98   | cps   |
| Tin        | 118-1 | 1984     | 1759     | 1767     | 1836     | 6.95   | cps   |
| Titanium   | 47-1  | 250      | 283      | 225      | 253      | 11.58  | cps   |
| Uranium    | 238-1 | 508      | 433      | 425      | 456      | 10.08  | cps   |
| Vanadium   | 51-2  | 17       | 17       | 37       | 23       | 49.48  | cps   |
| Yttrium    | 89-1  | 14932944 | 14870426 | 14681174 | 14828181 | 0.88   | cps   |
| Yttrium    | 89-2  | 1919876  | 1926731  | 1939568  | 1928725  | 0.52   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB89               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB89               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 15:57:42 | DataFile Name :   | 023CCBE_P7121518-MS |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 440  | 417  | 490  | 449     | 8.35   | cps   |
| Zirconium | 90-1 | 2000 | 1859 | 1742 | 1867    | 6.93   | cps   |
| Zirconium | 91-1 | 325  | 483  | 533  | 447     | 24.32  | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                  |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:01:16 | DataFile Name :   | 024LLCC_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 3159     | 3167     | 3009     | 3112     | 2.86   | cps   |
| Antimony   | 121-1 | 24664    | 24614    | 23946    | 24408    | 1.64   | cps   |
| Arsenic    | 75-2  | 372      | 435      | 430      | 412      | 8.45   | cps   |
| Barium     | 135-1 | 33708    | 33525    | 33416    | 33550    | 0.44   | cps   |
| Barium     | 137-1 | 57311    | 58415    | 58365    | 58030    | 1.07   | cps   |
| Beryllium  | 9-1   | 4379     | 4556     | 4812     | 4582     | 4.76   | cps   |
| Bismuth    | 209-1 | 13157755 | 13004895 | 13087615 | 13083422 | 0.58   | cps   |
| Bismuth    | 209-2 | 7692464  | 7601620  | 7678834  | 7657639  | 0.64   | cps   |
| Boron      | 10-1  | 26207    | 26399    | 27526    | 26711    | 2.67   | cps   |
| Boron      | 11-1  | 116330   | 118741   | 124972   | 120014   | 3.72   | cps   |
| Cadmium    | 111-1 | 7235     | 7152     | 7183     | 7190     | 0.59   | cps   |
| Cadmium    | 106-1 | 5510     | 5310     | 5351     | 5390     | 1.96   | cps   |
| Cadmium    | 108-1 | 329      | 254      | 246      | 276      | 16.61  | cps   |
| Calcium    | 43-1  | 22902    | 22985    | 23469    | 23119    | 1.33   | cps   |
| Calcium    | 44-1  | 382618   | 382307   | 383062   | 382663   | 0.10   | cps   |
| Chromium   | 52-2  | 8919     | 9046     | 9016     | 8994     | 0.74   | cps   |
| Cobalt     | 59-2  | 6048     | 6515     | 6738     | 6434     | 5.47   | cps   |
| Copper     | 63-2  | 9690     | 9326     | 9620     | 9545     | 2.02   | cps   |
| Dysprosium | 156-1 | 8        | 8        | 8        | 8        | 0.00   | cps   |
| Dysprosium | 156-2 | 7        | 13       | 17       | 12       | 41.65  | cps   |
| Erbium     | 164-1 | 33       | 58       | 67       | 53       | 32.88  | cps   |
| Erbium     | 164-2 | 30       | 20       | 13       | 21       | 39.75  | cps   |
| Gadolinium | 160-1 | 67       | 50       | 67       | 61       | 15.75  | cps   |
| Gadolinium | 160-2 | 267      | 220      | 227      | 238      | 10.61  | cps   |
| Holmium    | 165-1 | 19635566 | 19661426 | 19689517 | 19662170 | 0.14   | cps   |
| Holmium    | 165-2 | 10049752 | 9950149  | 10067737 | 10022546 | 0.63   | cps   |
| Indium     | 115-1 | 14755645 | 14854296 | 14781374 | 14797105 | 0.35   | cps   |
| Indium     | 115-2 | 2588704  | 2591292  | 2621540  | 2600512  | 0.70   | cps   |
| Iron       | 56-2  | 187700   | 187701   | 188383   | 187928   | 0.21   | cps   |
| Iron       | 57-2  | 4595     | 4690     | 4934     | 4740     | 3.69   | cps   |
| Krypton    | 83-1  | 350      | 360      | 337      | 349      | 3.35   | cps   |
| Lead       | 206-1 | 12996    | 12011    | 11611    | 12206    | 5.84   | cps   |
| Lead       | 207-1 | 10610    | 10293    | 10616    | 10506    | 1.76   | cps   |
| Lead       | 208-1 | 49097    | 48203    | 48559    | 48619    | 0.93   | cps   |
| Lithium    | 6-1   | 7217514  | 7279592  | 7232740  | 7243282  | 0.45   | cps   |
| Magnesium  | 24-2  | 186075   | 185570   | 188976   | 186874   | 0.98   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                  |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:01:16 | DataFile Name :   | 024LLCC_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 2607     | 2400     | 2454     | 2487     | 4.31   | cps   |
| Molybdenum | 94-1  | 28513    | 28530    | 29047    | 28696    | 1.06   | cps   |
| Molybdenum | 95-1  | 33449    | 34025    | 34025    | 33833    | 0.98   | cps   |
| Molybdenum | 96-1  | 38879    | 38854    | 37467    | 38400    | 2.10   | cps   |
| Molybdenum | 97-1  | 21208    | 21333    | 21701    | 21414    | 1.19   | cps   |
| Molybdenum | 98-1  | 54421    | 55685    | 54262    | 54789    | 1.42   | cps   |
| Neodymium  | 150-1 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Neodymium  | 150-2 | 0        | 3        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 1757     | 1737     | 1853     | 1782     | 3.50   | cps   |
| Phosphorus | 31-2  | 750      | 708      | 692      | 717      | 4.19   | cps   |
| Potassium  | 39-2  | 161689   | 159465   | 161705   | 160953   | 0.80   | cps   |
| Rhodium    | 103-1 | 13318545 | 13238852 | 13288335 | 13281911 | 0.30   | cps   |
| Rhodium    | 103-2 | 6016376  | 5986242  | 6012115  | 6004911  | 0.27   | cps   |
| Scandium   | 45-1  | 10101636 | 10161173 | 10069596 | 10110802 | 0.46   | cps   |
| Scandium   | 45-2  | 399323   | 400665   | 402376   | 400788   | 0.38   | cps   |
| Selenium   | 77-2  | 43       | 73       | 70       | 62       | 26.43  | cps   |
| Selenium   | 78-2  | 276      | 219      | 241      | 245      | 11.81  | cps   |
| Selenium   | 82-1  | 1649     | 1588     | 1636     | 1624     | 1.97   | cps   |
| Silicon    | 28-1  | 370229   | 368761   | 368975   | 369322   | 0.21   | cps   |
| Silver     | 109-1 | 17645    | 17887    | 18980    | 18171    | 3.91   | cps   |
| Silver     | 107-1 | 18062    | 18563    | 18179    | 18268    | 1.43   | cps   |
| Sodium     | 23-2  | 376812   | 380784   | 380908   | 379502   | 0.61   | cps   |
| Strontium  | 86-1  | 4809     | 5084     | 4743     | 4879     | 3.71   | cps   |
| Strontium  | 88-1  | 37267    | 38252    | 37492    | 37670    | 1.37   | cps   |
| Sulfur     | 34-1  | 270937   | 270982   | 268927   | 270282   | 0.43   | cps   |
| Terbium    | 159-1 | 19949746 | 19952974 | 19786155 | 19896292 | 0.48   | cps   |
| Terbium    | 159-2 | 9779275  | 9771086  | 9790703  | 9780355  | 0.10   | cps   |
| Thallium   | 203-1 | 14567    | 14458    | 14992    | 14673    | 1.92   | cps   |
| Thallium   | 205-1 | 35022    | 35540    | 34947    | 35170    | 0.92   | cps   |
| Thorium    | 232-1 | 48212    | 48903    | 48452    | 48522    | 0.72   | cps   |
| Tin        | 118-1 | 60732    | 59477    | 59568    | 59926    | 1.17   | cps   |
| Titanium   | 47-1  | 10763    | 10838    | 10604    | 10735    | 1.11   | cps   |
| Uranium    | 238-1 | 45790    | 45130    | 45707    | 45543    | 0.79   | cps   |
| Vanadium   | 51-2  | 16753    | 16346    | 16686    | 16595    | 1.32   | cps   |
| Yttrium    | 89-1  | 15083896 | 15208057 | 15148429 | 15146794 | 0.41   | cps   |
| Yttrium    | 89-2  | 1960133  | 1960734  | 1980010  | 1966959  | 0.57   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7                  |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:01:16 | DataFile Name :   | 024LLCC_P7121518-MS |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 1827  | 1840  | 1994  | 1887    | 4.91   | cps   |
| Zirconium | 90-1 | 23453 | 24455 | 24296 | 24068   | 2.24   | cps   |
| Zirconium | 91-1 | 5026  | 5443  | 5026  | 5165    | 4.66   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BL          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BL          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:12:36 | DataFile Name :   | 025CCBE_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 100      | 67       | 33       | 67       | 50.00  | cps   |
| Antimony   | 121-1 | 183      | 333      | 275      | 264      | 28.65  | cps   |
| Arsenic    | 75-2  | 2        | 7        | 2        | 4        | 86.68  | cps   |
| Barium     | 135-1 | 42       | 33       | 33       | 36       | 13.33  | cps   |
| Barium     | 137-1 | 83       | 42       | 17       | 47       | 71.32  | cps   |
| Beryllium  | 9-1   | 78       | 78       | 94       | 83       | 11.55  | cps   |
| Bismuth    | 209-1 | 12910698 | 12460466 | 12781916 | 12717693 | 1.82   | cps   |
| Bismuth    | 209-2 | 7738143  | 7674543  | 7637053  | 7683246  | 0.67   | cps   |
| Boron      | 10-1  | 3609     | 3992     | 3576     | 3726     | 6.22   | cps   |
| Boron      | 11-1  | 17144    | 17035    | 16518    | 16899    | 1.98   | cps   |
| Cadmium    | 111-1 | 3314     | 2956     | 3120     | 3130     | 5.73   | cps   |
| Cadmium    | 106-1 | 4726     | 4176     | 4434     | 4445     | 6.19   | cps   |
| Cadmium    | 108-1 | 21       | 13       | 13       | 15       | 31.48  | cps   |
| Calcium    | 43-1  | 192      | 142      | 225      | 186      | 22.54  | cps   |
| Calcium    | 44-1  | 7912     | 7912     | 8195     | 8006     | 2.05   | cps   |
| Chromium   | 52-2  | 1093     | 1007     | 963      | 1021     | 6.48   | cps   |
| Cobalt     | 59-2  | 93       | 70       | 93       | 86       | 15.75  | cps   |
| Copper     | 63-2  | 427      | 373      | 407      | 402      | 6.70   | cps   |
| Dysprosium | 156-1 | 25       | 8        | 8        | 14       | 69.31  | cps   |
| Dysprosium | 156-2 | 3        | 3        | 10       | 6        | 69.34  | cps   |
| Erbium     | 164-1 | 75       | 42       | 50       | 56       | 31.22  | cps   |
| Erbium     | 164-2 | 33       | 27       | 33       | 31       | 12.36  | cps   |
| Gadolinium | 160-1 | 33       | 67       | 58       | 53       | 32.86  | cps   |
| Gadolinium | 160-2 | 247      | 297      | 267      | 270      | 9.32   | cps   |
| Holmium    | 165-1 | 19704221 | 18962338 | 19495806 | 19387455 | 1.97   | cps   |
| Holmium    | 165-2 | 10139102 | 10081388 | 10036730 | 10085740 | 0.51   | cps   |
| Indium     | 115-1 | 14875856 | 14553497 | 14758353 | 14729235 | 1.11   | cps   |
| Indium     | 115-2 | 2594313  | 2637850  | 2607600  | 2613254  | 0.85   | cps   |
| Iron       | 56-2  | 4712     | 5001     | 4379     | 4697     | 6.63   | cps   |
| Iron       | 57-2  | 172      | 139      | 133      | 148      | 14.20  | cps   |
| Krypton    | 83-1  | 423      | 340      | 347      | 370      | 12.52  | cps   |
| Lead       | 206-1 | 478      | 567      | 522      | 522      | 8.51   | cps   |
| Lead       | 207-1 | 422      | 394      | 417      | 411      | 3.58   | cps   |
| Lead       | 208-1 | 1967     | 2011     | 1878     | 1952     | 3.48   | cps   |
| Lithium    | 6-1   | 7066954  | 6905653  | 7015684  | 6996097  | 1.18   | cps   |
| Magnesium  | 24-2  | 258      | 350      | 342      | 317      | 16.01  | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BL          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BL          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:12:36 | DataFile Name :   | 025CCBE_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 53       | 70       | 57       | 60       | 14.70  | cps   |
| Molybdenum | 94-1  | 617      | 717      | 458      | 597      | 21.81  | cps   |
| Molybdenum | 95-1  | 233      | 200      | 150      | 194      | 21.57  | cps   |
| Molybdenum | 96-1  | 342      | 375      | 375      | 364      | 5.29   | cps   |
| Molybdenum | 97-1  | 167      | 175      | 208      | 183      | 12.02  | cps   |
| Molybdenum | 98-1  | 408      | 375      | 350      | 378      | 7.75   | cps   |
| Neodymium  | 150-1 | 0        | 0        | 7        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 80       | 87       | 73       | 80       | 8.34   | cps   |
| Phosphorus | 31-2  | 250      | 308      | 233      | 264      | 14.92  | cps   |
| Potassium  | 39-2  | 13298    | 13265    | 13974    | 13512    | 2.96   | cps   |
| Rhodium    | 103-1 | 13616028 | 13167315 | 13309155 | 13364166 | 1.72   | cps   |
| Rhodium    | 103-2 | 6177647  | 6149098  | 6080139  | 6135628  | 0.82   | cps   |
| Scandium   | 45-1  | 10283629 | 10051801 | 10162247 | 10165892 | 1.14   | cps   |
| Scandium   | 45-2  | 408426   | 406984   | 405362   | 406924   | 0.38   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 67       | 61       | 50       | 59       | 14.32  | cps   |
| Selenium   | 82-1  | -22      | 44       | 53       | 25       | 164.09 | cps   |
| Silicon    | 28-1  | 267811   | 265601   | 265949   | 266454   | 0.45   | cps   |
| Silver     | 109-1 | 117      | 92       | 125      | 111      | 15.61  | cps   |
| Silver     | 107-1 | 242      | 133      | 300      | 225      | 37.59  | cps   |
| Sodium     | 23-2  | 15342    | 15325    | 15108    | 15258    | 0.85   | cps   |
| Strontium  | 86-1  | 600      | 592      | 675      | 622      | 7.38   | cps   |
| Strontium  | 88-1  | 250      | 208      | 158      | 206      | 22.33  | cps   |
| Sulfur     | 34-1  | 287690   | 287023   | 281078   | 285264   | 1.28   | cps   |
| Terbium    | 159-1 | 19904394 | 19298251 | 19617266 | 19606637 | 1.55   | cps   |
| Terbium    | 159-2 | 9856365  | 9865273  | 9807178  | 9842938  | 0.32   | cps   |
| Thallium   | 203-1 | 475      | 425      | 425      | 442      | 6.54   | cps   |
| Thallium   | 205-1 | 1042     | 1075     | 1017     | 1045     | 2.80   | cps   |
| Thorium    | 232-1 | 895      | 856      | 756      | 835      | 8.58   | cps   |
| Tin        | 118-1 | 1017     | 967      | 1100     | 1028     | 6.55   | cps   |
| Titanium   | 47-1  | 125      | 108      | 133      | 122      | 10.41  | cps   |
| Uranium    | 238-1 | 58       | 92       | 33       | 61       | 47.89  | cps   |
| Vanadium   | 51-2  | 10       | 10       | 7        | 9        | 21.63  | cps   |
| Yttrium    | 89-1  | 15416540 | 15003376 | 15216915 | 15212277 | 1.36   | cps   |
| Yttrium    | 89-2  | 1973048  | 1983327  | 1990541  | 1982305  | 0.44   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BL          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BL          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:12:36 | DataFile Name :   | 025CCBE_P7121518-MS |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 390  | 443  | 497  | 443     | 12.03  | cps   |
| Zirconium | 90-1 | 1267 | 1183 | 1258 | 1236    | 3.71   | cps   |
| Zirconium | 91-1 | 267  | 242  | 300  | 269     | 10.86  | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BS          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BS          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:16:11 | DataFile Name :   | 026LCS6_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1445422  | 1468722  | 1449625  | 1454590  | 0.85   | cps   |
| Antimony   | 121-1 | 6132800  | 6067866  | 6050765  | 6083810  | 0.71   | cps   |
| Arsenic    | 75-2  | 191137   | 192060   | 192174   | 191790   | 0.30   | cps   |
| Barium     | 135-1 | 8292721  | 8215722  | 8190448  | 8232964  | 0.65   | cps   |
| Barium     | 137-1 | 14466243 | 14510789 | 14381347 | 14452793 | 0.46   | cps   |
| Beryllium  | 9-1   | 2146292  | 2121815  | 2108265  | 2125458  | 0.91   | cps   |
| Bismuth    | 209-1 | 11888881 | 11953267 | 11962270 | 11934806 | 0.34   | cps   |
| Bismuth    | 209-2 | 6845319  | 6815878  | 6804997  | 6822065  | 0.31   | cps   |
| Boron      | 10-1  | 405764   | 414916   | 423923   | 414868   | 2.19   | cps   |
| Boron      | 11-1  | 1822387  | 1891762  | 1925098  | 1879749  | 2.79   | cps   |
| Cadmium    | 111-1 | 1754518  | 1778409  | 1773084  | 1768671  | 0.71   | cps   |
| Cadmium    | 106-1 | 191705   | 193544   | 191266   | 192172   | 0.63   | cps   |
| Cadmium    | 108-1 | 133512   | 132491   | 132323   | 132775   | 0.48   | cps   |
| Calcium    | 43-1  | 2339596  | 2324487  | 2304109  | 2322731  | 0.77   | cps   |
| Calcium    | 44-1  | 37342086 | 36806535 | 36694689 | 36947770 | 0.94   | cps   |
| Chromium   | 52-2  | 1865448  | 1875639  | 1869335  | 1870141  | 0.28   | cps   |
| Cobalt     | 59-2  | 2967474  | 2986319  | 2985666  | 2979819  | 0.36   | cps   |
| Copper     | 63-2  | 4048573  | 4098752  | 4108505  | 4085277  | 0.79   | cps   |
| Dysprosium | 156-1 | 42       | 117      | 117      | 92       | 47.24  | cps   |
| Dysprosium | 156-2 | 163      | 110      | 187      | 153      | 25.63  | cps   |
| Erbium     | 164-1 | 8        | 75       | 125      | 69       | 84.29  | cps   |
| Erbium     | 164-2 | 23       | 47       | 57       | 42       | 40.52  | cps   |
| Gadolinium | 160-1 | 100      | 117      | 25       | 81       | 60.62  | cps   |
| Gadolinium | 160-2 | 257      | 200      | 230      | 229      | 12.39  | cps   |
| Holmium    | 165-1 | 19134382 | 19108612 | 18937229 | 19060074 | 0.56   | cps   |
| Holmium    | 165-2 | 9445449  | 9509594  | 9503240  | 9486094  | 0.37   | cps   |
| Indium     | 115-1 | 13400587 | 13412913 | 13290922 | 13368141 | 0.50   | cps   |
| Indium     | 115-2 | 2367573  | 2383204  | 2384647  | 2378474  | 0.40   | cps   |
| Iron       | 56-2  | 81458693 | 81956832 | 81139438 | 81518321 | 0.51   | cps   |
| Iron       | 57-2  | 1970940  | 1984156  | 1982645  | 1979247  | 0.37   | cps   |
| Krypton    | 83-1  | 350      | 387      | 340      | 359      | 6.85   | cps   |
| Lead       | 206-1 | 6008992  | 6067154  | 5984394  | 6020180  | 0.71   | cps   |
| Lead       | 207-1 | 5109745  | 5203188  | 5223792  | 5178908  | 1.17   | cps   |
| Lead       | 208-1 | 23928329 | 24082091 | 23956447 | 23988956 | 0.34   | cps   |
| Lithium    | 6-1   | 6752718  | 6714172  | 6699026  | 6721972  | 0.41   | cps   |
| Magnesium  | 24-2  | 18121040 | 18149938 | 17965709 | 18078896 | 0.55   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BS          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BS          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:16:11 | DataFile Name :   | 026LCS6_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 2293625  | 2310899  | 2300799  | 2301775  | 0.38   | cps   |
| Molybdenum | 94-1  | 13212243 | 13179747 | 13019549 | 13137180 | 0.79   | cps   |
| Molybdenum | 95-1  | 16231013 | 16056661 | 15962270 | 16083315 | 0.85   | cps   |
| Molybdenum | 96-1  | 17977600 | 17839757 | 17786902 | 17868086 | 0.55   | cps   |
| Molybdenum | 97-1  | 10126737 | 10027737 | 9990471  | 10048315 | 0.70   | cps   |
| Molybdenum | 98-1  | 26007665 | 25708747 | 25559605 | 25758672 | 0.89   | cps   |
| Neodymium  | 150-1 | 507      | 513      | 460      | 493      | 5.89   | cps   |
| Neodymium  | 150-2 | 43       | 37       | 37       | 39       | 9.89   | cps   |
| Nickel     | 60-2  | 771198   | 780298   | 780136   | 777211   | 0.67   | cps   |
| Phosphorus | 31-2  | 76204    | 77543    | 76363    | 76704    | 0.95   | cps   |
| Potassium  | 39-2  | 7029775  | 7077429  | 7017465  | 7041557  | 0.45   | cps   |
| Rhodium    | 103-1 | 11794758 | 11652000 | 11565014 | 11670591 | 0.99   | cps   |
| Rhodium    | 103-2 | 5276346  | 5297024  | 5318310  | 5297227  | 0.40   | cps   |
| Scandium   | 45-1  | 9447365  | 9250282  | 9241128  | 9312925  | 1.25   | cps   |
| Scandium   | 45-2  | 363518   | 368400   | 366520   | 366146   | 0.67   | cps   |
| Selenium   | 77-2  | 5548     | 5474     | 5401     | 5474     | 1.34   | cps   |
| Selenium   | 78-2  | 18899    | 18323    | 18217    | 18480    | 1.99   | cps   |
| Selenium   | 82-1  | 139133   | 137352   | 137436   | 137974   | 0.73   | cps   |
| Silicon    | 28-1  | 6364436  | 6494631  | 6432845  | 6430637  | 1.01   | cps   |
| Silver     | 109-1 | 8193613  | 8158278  | 8089044  | 8146978  | 0.65   | cps   |
| Silver     | 107-1 | 8616658  | 8500186  | 8357323  | 8491389  | 1.53   | cps   |
| Sodium     | 23-2  | 33203236 | 33173602 | 33171849 | 33182896 | 0.05   | cps   |
| Strontium  | 86-1  | 2169073  | 2187769  | 2171806  | 2176216  | 0.46   | cps   |
| Strontium  | 88-1  | 19249360 | 19070996 | 18813046 | 19044467 | 1.15   | cps   |
| Sulfur     | 34-1  | 1109033  | 1110321  | 1094779  | 1104711  | 0.78   | cps   |
| Terbium    | 159-1 | 19093534 | 19119968 | 19042528 | 19085344 | 0.21   | cps   |
| Terbium    | 159-2 | 9188360  | 9171749  | 9118844  | 9159651  | 0.40   | cps   |
| Thallium   | 203-1 | 7253623  | 7253755  | 7228944  | 7245441  | 0.20   | cps   |
| Thallium   | 205-1 | 17359309 | 17390596 | 17155820 | 17301908 | 0.74   | cps   |
| Thorium    | 232-1 | 25491767 | 25401483 | 25729994 | 25541081 | 0.66   | cps   |
| Tin        | 118-1 | 5824237  | 5812007  | 5740450  | 5792231  | 0.78   | cps   |
| Titanium   | 47-1  | 5034346  | 4962962  | 4920936  | 4972748  | 1.15   | cps   |
| Uranium    | 238-1 | 24500621 | 24507409 | 24550434 | 24519488 | 0.11   | cps   |
| Vanadium   | 51-2  | 1492992  | 1518962  | 1504163  | 1505372  | 0.87   | cps   |
| Yttrium    | 89-1  | 14127066 | 13919792 | 13859851 | 13968903 | 1.00   | cps   |
| Yttrium    | 89-2  | 1805475  | 1823676  | 1823086  | 1817412  | 0.57   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | PB115695BS          | Instrumnet Name : | P7                  |
| Client Sample ID :      | PB115695BS          | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:16:11 | DataFile Name :   | 026LCS6_P7121518-MS |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zinc      | 66-2 | 642959   | 645936   | 646212   | 645036   | 0.28   | cps   |
| Zirconium | 90-1 | 11280061 | 11078492 | 10947701 | 11102085 | 1.51   | cps   |
| Zirconium | 91-1 | 2440408  | 2439122  | 2436238  | 2438589  | 0.09   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-03DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0641DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:19:45 | DataFile Name :   | 027SMPL_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 3551     | 3476     | 3367     | 3464     | 2.66   | cps   |
| Antimony   | 121-1 | 7169     | 6869     | 6552     | 6863     | 4.50   | cps   |
| Arsenic    | 75-2  | 820      | 819      | 880      | 840      | 4.14   | cps   |
| Barium     | 135-1 | 18196    | 17587    | 18213    | 17998    | 1.98   | cps   |
| Barium     | 137-1 | 31044    | 31211    | 31754    | 31336    | 1.18   | cps   |
| Beryllium  | 9-1   | 478      | 333      | 394      | 402      | 18.04  | cps   |
| Bismuth    | 209-1 | 12328494 | 12444511 | 12460769 | 12411258 | 0.58   | cps   |
| Bismuth    | 209-2 | 7384696  | 7350617  | 7259454  | 7331589  | 0.88   | cps   |
| Boron      | 10-1  | 19830    | 18403    | 17920    | 18718    | 5.31   | cps   |
| Boron      | 11-1  | 87035    | 81303    | 76502    | 81614    | 6.46   | cps   |
| Cadmium    | 111-1 | 3401     | 3281     | 3691     | 3457     | 6.10   | cps   |
| Cadmium    | 106-1 | 4317     | 4368     | 4868     | 4518     | 6.73   | cps   |
| Cadmium    | 108-1 | 13       | 50       | 42       | 35       | 56.71  | cps   |
| Calcium    | 43-1  | 277057   | 272627   | 278790   | 276158   | 1.15   | cps   |
| Calcium    | 44-1  | 4370532  | 4378739  | 4459394  | 4402888  | 1.12   | cps   |
| Chromium   | 52-2  | 1944     | 1997     | 2094     | 2011     | 3.78   | cps   |
| Cobalt     | 59-2  | 10134    | 10130    | 10140    | 10135    | 0.05   | cps   |
| Copper     | 63-2  | 1730     | 1870     | 1863     | 1821     | 4.34   | cps   |
| Dysprosium | 156-1 | 258      | 267      | 308      | 278      | 9.64   | cps   |
| Dysprosium | 156-2 | 173      | 147      | 147      | 156      | 9.90   | cps   |
| Erbium     | 164-1 | 283      | 333      | 292      | 303      | 8.85   | cps   |
| Erbium     | 164-2 | 120      | 110      | 147      | 126      | 15.10  | cps   |
| Gadolinium | 160-1 | 250      | 258      | 300      | 269      | 9.94   | cps   |
| Gadolinium | 160-2 | 360      | 330      | 330      | 340      | 5.09   | cps   |
| Holmium    | 165-1 | 18507670 | 18754319 | 18792433 | 18684807 | 0.83   | cps   |
| Holmium    | 165-2 | 9619639  | 9577254  | 9556242  | 9584378  | 0.34   | cps   |
| Indium     | 115-1 | 13688741 | 13702929 | 13864428 | 13752033 | 0.71   | cps   |
| Indium     | 115-2 | 2482942  | 2493958  | 2491906  | 2489602  | 0.24   | cps   |
| Iron       | 56-2  | 9995940  | 9963344  | 9938563  | 9965949  | 0.29   | cps   |
| Iron       | 57-2  | 238896   | 240259   | 239698   | 239618   | 0.29   | cps   |
| Krypton    | 83-1  | 320      | 433      | 373      | 376      | 15.10  | cps   |
| Lead       | 206-1 | 2234     | 1984     | 2256     | 2158     | 7.01   | cps   |
| Lead       | 207-1 | 1922     | 2034     | 2039     | 1998     | 3.29   | cps   |
| Lead       | 208-1 | 8712     | 8818     | 8740     | 8757     | 0.63   | cps   |
| Lithium    | 6-1   | 6871967  | 6879526  | 6952252  | 6901248  | 0.64   | cps   |
| Magnesium  | 24-2  | 288657   | 286071   | 292245   | 288991   | 1.07   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-03DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0641DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:19:45 | DataFile Name :   | 027SMPL_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD   | Units |
|------------|-------|----------|----------|----------|----------|----------|-------|
| Manganese  | 55-2  | 3095069  | 3111088  | 3085659  | 3097272  | 0.42     | cps   |
| Molybdenum | 94-1  | 4776     | 4326     | 3901     | 4334     | 10.10    | cps   |
| Molybdenum | 95-1  | 6769     | 5851     | 5793     | 6138     | 8.91     | cps   |
| Molybdenum | 96-1  | 7019     | 6452     | 6193     | 6555     | 6.44     | cps   |
| Molybdenum | 97-1  | 3801     | 3917     | 3342     | 3687     | 8.25     | cps   |
| Molybdenum | 98-1  | 10196    | 9320     | 8986     | 9501     | 6.57     | cps   |
| Neodymium  | 150-1 | 300      | 440      | 340      | 360      | 20.03    | cps   |
| Neodymium  | 150-2 | 127      | 133      | 160      | 140      | 12.60    | cps   |
| Nickel     | 60-2  | 1533     | 1687     | 1560     | 1593     | 5.14     | cps   |
| Phosphorus | 31-2  | 308      | 292      | 317      | 306      | 4.17     | cps   |
| Potassium  | 39-2  | 149438   | 153628   | 150793   | 151286   | 1.41     | cps   |
| Rhodium    | 103-1 | 12068550 | 12308234 | 12327958 | 12234914 | 1.18     | cps   |
| Rhodium    | 103-2 | 5604255  | 5655672  | 5589627  | 5616518  | 0.62     | cps   |
| Scandium   | 45-1  | 9186552  | 9285154  | 9393490  | 9288398  | 1.11     | cps   |
| Scandium   | 45-2  | 372079   | 371924   | 372371   | 372124   | 0.06     | cps   |
| Selenium   | 77-2  | 3        | 0        | 0        | 1        | 173.21   | cps   |
| Selenium   | 78-2  | 46       | 52       | 52       | 50       | 6.41     | cps   |
| Selenium   | 82-1  | 66       | -72      | -9       | -5       | -1446.09 | cps   |
| Silicon    | 28-1  | 6638071  | 6626848  | 6726800  | 6663906  | 0.82     | cps   |
| Silver     | 109-1 | 2492     | 2925     | 2950     | 2789     | 9.24     | cps   |
| Silver     | 107-1 | 2442     | 2942     | 2884     | 2756     | 9.92     | cps   |
| Sodium     | 23-2  | 2289786  | 2290608  | 2295187  | 2291860  | 0.13     | cps   |
| Strontium  | 86-1  | 90752    | 91375    | 91356    | 91161    | 0.39     | cps   |
| Strontium  | 88-1  | 789008   | 789419   | 793821   | 790749   | 0.34     | cps   |
| Sulfur     | 34-1  | 435077   | 436917   | 442020   | 438005   | 0.82     | cps   |
| Terbium    | 159-1 | 18647136 | 18982731 | 18935435 | 18855101 | 0.96     | cps   |
| Terbium    | 159-2 | 9374190  | 9402996  | 9327364  | 9368184  | 0.41     | cps   |
| Thallium   | 203-1 | 3709     | 4243     | 3917     | 3956     | 6.80     | cps   |
| Thallium   | 205-1 | 8637     | 9320     | 9871     | 9276     | 6.67     | cps   |
| Thorium    | 232-1 | 5757     | 5135     | 5257     | 5383     | 6.13     | cps   |
| Tin        | 118-1 | 2417     | 2609     | 2309     | 2445     | 6.22     | cps   |
| Titanium   | 47-1  | 2409     | 2134     | 2442     | 2328     | 7.27     | cps   |
| Uranium    | 238-1 | 3050     | 2734     | 2759     | 2848     | 6.18     | cps   |
| Vanadium   | 51-2  | 743      | 827      | 800      | 790      | 5.39     | cps   |
| Yttrium    | 89-1  | 13972624 | 14038114 | 14161376 | 14057371 | 0.68     | cps   |
| Yttrium    | 89-2  | 1858234  | 1877916  | 1866223  | 1867458  | 0.53     | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-03DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0641DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:19:45 | DataFile Name :   | 027SMPL_P7121518-MS |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 1617 | 1580 | 1717 | 1638    | 4.32   | cps   |
| Zirconium | 90-1 | 2642 | 2825 | 2467 | 2645    | 6.78   | cps   |
| Zirconium | 91-1 | 683  | 433  | 600  | 572     | 22.25  | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-04DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0642DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:23:20 | DataFile Name :   | 028SMPL_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 5001     | 4718     | 4609     | 4776     | 4.24   | cps   |
| Antimony   | 121-1 | 4426     | 4559     | 4384     | 4456     | 2.05   | cps   |
| Arsenic    | 75-2  | 900      | 970      | 913      | 928      | 4.04   | cps   |
| Barium     | 135-1 | 17762    | 17670    | 17587    | 17673    | 0.50   | cps   |
| Barium     | 137-1 | 30226    | 31361    | 30676    | 30754    | 1.86   | cps   |
| Beryllium  | 9-1   | 139      | 167      | 133      | 146      | 12.21  | cps   |
| Bismuth    | 209-1 | 12481455 | 12511186 | 12404389 | 12465677 | 0.44   | cps   |
| Bismuth    | 209-2 | 7356228  | 7366806  | 7309436  | 7344157  | 0.42   | cps   |
| Boron      | 10-1  | 9520     | 9929     | 9837     | 9762     | 2.20   | cps   |
| Boron      | 11-1  | 43974    | 42553    | 43697    | 43408    | 1.74   | cps   |
| Cadmium    | 111-1 | 3522     | 3467     | 3245     | 3412     | 4.30   | cps   |
| Cadmium    | 106-1 | 4859     | 4801     | 4526     | 4729     | 3.77   | cps   |
| Cadmium    | 108-1 | 42       | 8        | 21       | 24       | 71.34  | cps   |
| Calcium    | 43-1  | 277384   | 276609   | 277931   | 277308   | 0.24   | cps   |
| Calcium    | 44-1  | 4453427  | 4421698  | 4448198  | 4441108  | 0.38   | cps   |
| Chromium   | 52-2  | 2647     | 2530     | 2664     | 2614     | 2.78   | cps   |
| Cobalt     | 59-2  | 10234    | 10190    | 10170    | 10198    | 0.32   | cps   |
| Copper     | 63-2  | 1840     | 1723     | 1813     | 1792     | 3.41   | cps   |
| Dysprosium | 156-1 | 292      | 233      | 342      | 289      | 18.77  | cps   |
| Dysprosium | 156-2 | 177      | 197      | 187      | 187      | 5.36   | cps   |
| Erbium     | 164-1 | 208      | 300      | 458      | 322      | 39.25  | cps   |
| Erbium     | 164-2 | 123      | 143      | 103      | 123      | 16.22  | cps   |
| Gadolinium | 160-1 | 333      | 233      | 417      | 328      | 28.00  | cps   |
| Gadolinium | 160-2 | 410      | 363      | 443      | 406      | 9.91   | cps   |
| Holmium    | 165-1 | 18998358 | 18852414 | 18848500 | 18899758 | 0.45   | cps   |
| Holmium    | 165-2 | 9643745  | 9619738  | 9658895  | 9640792  | 0.20   | cps   |
| Indium     | 115-1 | 13988756 | 14056932 | 13981493 | 14009060 | 0.30   | cps   |
| Indium     | 115-2 | 2494460  | 2509738  | 2526782  | 2510326  | 0.64   | cps   |
| Iron       | 56-2  | 10409621 | 10423372 | 10443682 | 10425558 | 0.16   | cps   |
| Iron       | 57-2  | 250356   | 249633   | 252192   | 250727   | 0.53   | cps   |
| Krypton    | 83-1  | 327      | 353      | 397      | 359      | 9.84   | cps   |
| Lead       | 206-1 | 1656     | 1545     | 1639     | 1613     | 3.71   | cps   |
| Lead       | 207-1 | 1283     | 1467     | 1300     | 1350     | 7.51   | cps   |
| Lead       | 208-1 | 6684     | 6290     | 6384     | 6453     | 3.19   | cps   |
| Lithium    | 6-1   | 7012578  | 7063045  | 7058837  | 7044820  | 0.40   | cps   |
| Magnesium  | 24-2  | 287406   | 283797   | 287321   | 286175   | 0.72   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-04DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0642DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:23:20 | DataFile Name :   | 028SMPL_P7121518-MS |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 3068584  | 3087314  | 3085671  | 3080523  | 0.34   | cps   |
| Molybdenum | 94-1  | 2150     | 2467     | 2559     | 2392     | 8.96   | cps   |
| Molybdenum | 95-1  | 3284     | 3384     | 3192     | 3287     | 2.92   | cps   |
| Molybdenum | 96-1  | 3701     | 3517     | 3617     | 3612     | 2.54   | cps   |
| Molybdenum | 97-1  | 2034     | 1959     | 1817     | 1936     | 5.68   | cps   |
| Molybdenum | 98-1  | 4918     | 4843     | 5285     | 5015     | 4.71   | cps   |
| Neodymium  | 150-1 | 493      | 460      | 433      | 462      | 6.50   | cps   |
| Neodymium  | 150-2 | 193      | 173      | 170      | 179      | 7.06   | cps   |
| Nickel     | 60-2  | 1643     | 1677     | 1750     | 1690     | 3.23   | cps   |
| Phosphorus | 31-2  | 308      | 300      | 342      | 317      | 6.96   | cps   |
| Potassium  | 39-2  | 150337   | 150952   | 152190   | 151160   | 0.62   | cps   |
| Rhodium    | 103-1 | 12494615 | 12546094 | 12361641 | 12467450 | 0.76   | cps   |
| Rhodium    | 103-2 | 5682681  | 5705072  | 5718175  | 5701976  | 0.31   | cps   |
| Scandium   | 45-1  | 9527161  | 9579269  | 9512771  | 9539734  | 0.37   | cps   |
| Scandium   | 45-2  | 376570   | 378852   | 377334   | 377586   | 0.31   | cps   |
| Selenium   | 77-2  | 7        | 0        | 3        | 3        | 100.05 | cps   |
| Selenium   | 78-2  | 63       | 43       | 52       | 52       | 19.44  | cps   |
| Selenium   | 82-1  | 31       | 11       | -9       | 11       | 182.46 | cps   |
| Silicon    | 28-1  | 6946232  | 6959072  | 6981793  | 6962366  | 0.26   | cps   |
| Silver     | 109-1 | 2000     | 2092     | 2350     | 2147     | 8.45   | cps   |
| Silver     | 107-1 | 2259     | 2442     | 2417     | 2373     | 4.19   | cps   |
| Sodium     | 23-2  | 2281080  | 2262636  | 2282230  | 2275315  | 0.48   | cps   |
| Strontium  | 86-1  | 91046    | 90275    | 92707    | 91342    | 1.36   | cps   |
| Strontium  | 88-1  | 786649   | 797987   | 782560   | 789065   | 1.01   | cps   |
| Sulfur     | 34-1  | 450905   | 451978   | 456200   | 453028   | 0.62   | cps   |
| Terbium    | 159-1 | 19117882 | 19120606 | 19028618 | 19089035 | 0.27   | cps   |
| Terbium    | 159-2 | 9401790  | 9375893  | 9332332  | 9370005  | 0.37   | cps   |
| Thallium   | 203-1 | 2434     | 2584     | 2917     | 2645     | 9.36   | cps   |
| Thallium   | 205-1 | 5485     | 5968     | 6260     | 5904     | 6.63   | cps   |
| Thorium    | 232-1 | 2217     | 2045     | 2245     | 2169     | 5.00   | cps   |
| Tin        | 118-1 | 1950     | 1984     | 2009     | 1981     | 1.48   | cps   |
| Titanium   | 47-1  | 2742     | 3317     | 3100     | 3053     | 9.51   | cps   |
| Uranium    | 238-1 | 1350     | 1433     | 1300     | 1361     | 4.95   | cps   |
| Vanadium   | 51-2  | 763      | 780      | 823      | 789      | 3.93   | cps   |
| Yttrium    | 89-1  | 14399226 | 14438042 | 14367123 | 14401464 | 0.25   | cps   |
| Yttrium    | 89-2  | 1885965  | 1891619  | 1892478  | 1890020  | 0.19   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | J6081-04DL2X10      | Instrumnet Name : | P7                  |
| Client Sample ID :      | S32-0642DL2         | Dilution Factor : | 10                  |
| Date & Time Acquired :: | 2018-12-15 16:23:20 | DataFile Name :   | 028SMPL_P7121518-MS |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 1770 | 1720 | 1987 | 1826    | 7.76   | cps   |
| Zirconium | 90-1 | 1992 | 1917 | 1767 | 1892    | 6.06   | cps   |
| Zirconium | 91-1 | 525  | 375  | 450  | 450     | 16.67  | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV90               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV90               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 16:33:48 | DataFile Name :   | 029CCV_P7121518-MS.I |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 7491289   | 7500266   | 7503964   | 7498506   | 0.09   | cps   |
| Antimony   | 121-1 | 5145443   | 5229191   | 5298474   | 5224369   | 1.47   | cps   |
| Arsenic    | 75-2  | 166980    | 169212    | 168594    | 168262    | 0.69   | cps   |
| Barium     | 135-1 | 7632826   | 7633051   | 7632362   | 7632746   | 0.00   | cps   |
| Barium     | 137-1 | 13228020  | 13312859  | 13407374  | 13316084  | 0.67   | cps   |
| Beryllium  | 9-1   | 1826225   | 1845107   | 1857088   | 1842807   | 0.84   | cps   |
| Bismuth    | 209-1 | 10071578  | 10101946  | 10132012  | 10101845  | 0.30   | cps   |
| Bismuth    | 209-2 | 5783126   | 5778757   | 5808026   | 5789970   | 0.27   | cps   |
| Boron      | 10-1  | 353923    | 364750    | 378305    | 365660    | 3.34   | cps   |
| Boron      | 11-1  | 1605325   | 1649396   | 1704124   | 1652948   | 2.99   | cps   |
| Cadmium    | 111-1 | 1427634   | 1454859   | 1487649   | 1456714   | 2.06   | cps   |
| Cadmium    | 106-1 | 161315    | 161924    | 166223    | 163154    | 1.64   | cps   |
| Cadmium    | 108-1 | 110627    | 111665    | 113747    | 112013    | 1.42   | cps   |
| Calcium    | 43-1  | 10222260  | 10226598  | 10270260  | 10239706  | 0.26   | cps   |
| Calcium    | 44-1  | 162207704 | 163199937 | 161862712 | 162423451 | 0.43   | cps   |
| Chromium   | 52-2  | 1818566   | 1841516   | 1858381   | 1839488   | 1.09   | cps   |
| Cobalt     | 59-2  | 2746924   | 2785288   | 2794132   | 2775448   | 0.90   | cps   |
| Copper     | 63-2  | 3753877   | 3799172   | 3799649   | 3784233   | 0.69   | cps   |
| Dysprosium | 156-1 | 150       | 175       | 200       | 175       | 14.28  | cps   |
| Dysprosium | 156-2 | 160       | 137       | 123       | 140       | 13.25  | cps   |
| Erbium     | 164-1 | 83        | 100       | 100       | 94        | 10.19  | cps   |
| Erbium     | 164-2 | 47        | 43        | 43        | 44        | 4.34   | cps   |
| Gadolinium | 160-1 | 67        | 142       | 83        | 97        | 40.50  | cps   |
| Gadolinium | 160-2 | 227       | 233       | 227       | 229       | 1.68   | cps   |
| Holmium    | 165-1 | 17472274  | 17361790  | 17601709  | 17478591  | 0.69   | cps   |
| Holmium    | 165-2 | 8991653   | 9003825   | 8908193   | 8967890   | 0.58   | cps   |
| Indium     | 115-1 | 11766308  | 11703113  | 11754726  | 11741382  | 0.29   | cps   |
| Indium     | 115-2 | 2194222   | 2210963   | 2222720   | 2209302   | 0.65   | cps   |
| Iron       | 56-2  | 378194964 | 382782175 | 383045131 | 381340757 | 0.72   | cps   |
| Iron       | 57-2  | 9196642   | 9311998   | 9279281   | 9262640   | 0.64   | cps   |
| Krypton    | 83-1  | 353       | 300       | 360       | 338       | 9.74   | cps   |
| Lead       | 206-1 | 5069678   | 5228356   | 5303703   | 5200579   | 2.30   | cps   |
| Lead       | 207-1 | 4537431   | 4675706   | 4741936   | 4651691   | 2.24   | cps   |
| Lead       | 208-1 | 20884967  | 21261280  | 21409635  | 21185294  | 1.28   | cps   |
| Lithium    | 6-1   | 5890481   | 5891504   | 5904737   | 5895574   | 0.13   | cps   |
| Magnesium  | 24-2  | 84830391  | 85192850  | 85157639  | 85060294  | 0.23   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV90               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV90               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 16:33:48 | DataFile Name :   | 029CCV_P7121518-MS.I |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Manganese  | 55-2  | 2168216   | 2194207   | 2197333   | 2186585   | 0.73   | cps   |
| Molybdenum | 94-1  | 12128111  | 12143785  | 12120072  | 12130656  | 0.10   | cps   |
| Molybdenum | 95-1  | 14748136  | 14777554  | 14899543  | 14808411  | 0.54   | cps   |
| Molybdenum | 96-1  | 16357016  | 16502574  | 16573907  | 16477832  | 0.67   | cps   |
| Molybdenum | 97-1  | 9231377   | 9269347   | 9289751   | 9263491   | 0.32   | cps   |
| Molybdenum | 98-1  | 23788733  | 23837803  | 24135316  | 23920617  | 0.78   | cps   |
| Neodymium  | 150-1 | 580       | 627       | 667       | 624       | 6.95   | cps   |
| Neodymium  | 150-2 | 97        | 70        | 117       | 94        | 24.79  | cps   |
| Nickel     | 60-2  | 700420    | 709278    | 715035    | 708244    | 1.04   | cps   |
| Phosphorus | 31-2  | 71789     | 73288     | 70894     | 71990     | 1.68   | cps   |
| Potassium  | 39-2  | 34030824  | 34260398  | 34480891  | 34257371  | 0.66   | cps   |
| Rhodium    | 103-1 | 9796641   | 9816976   | 9840146   | 9817921   | 0.22   | cps   |
| Rhodium    | 103-2 | 4655702   | 4693997   | 4697431   | 4682377   | 0.49   | cps   |
| Scandium   | 45-1  | 8259611   | 8234862   | 8257593   | 8250689   | 0.17   | cps   |
| Scandium   | 45-2  | 347469    | 352361    | 353314    | 351048    | 0.89   | cps   |
| Selenium   | 77-2  | 4667      | 5194      | 5064      | 4975      | 5.52   | cps   |
| Selenium   | 78-2  | 16469     | 16560     | 16454     | 16494     | 0.35   | cps   |
| Selenium   | 82-1  | 112936    | 114811    | 116784    | 114844    | 1.68   | cps   |
| Silicon    | 28-1  | 5247032   | 5366933   | 5429360   | 5347775   | 1.73   | cps   |
| Silver     | 109-1 | 6742052   | 6759030   | 6764571   | 6755218   | 0.17   | cps   |
| Silver     | 107-1 | 7029811   | 7039151   | 7077905   | 7048956   | 0.36   | cps   |
| Sodium     | 23-2  | 159605870 | 160611762 | 160977204 | 160398279 | 0.44   | cps   |
| Strontium  | 86-1  | 1976233   | 2000949   | 2027934   | 2001705   | 1.29   | cps   |
| Strontium  | 88-1  | 17411977  | 17466142  | 17519654  | 17465924  | 0.31   | cps   |
| Sulfur     | 34-1  | 989325    | 991115    | 998178    | 992873    | 0.47   | cps   |
| Terbium    | 159-1 | 17367230  | 17573350  | 17718403  | 17552994  | 1.01   | cps   |
| Terbium    | 159-2 | 8656207   | 8678469   | 8685821   | 8673499   | 0.18   | cps   |
| Thallium   | 203-1 | 6610944   | 6578010   | 6671710   | 6620221   | 0.72   | cps   |
| Thallium   | 205-1 | 15809977  | 15880575  | 16072486  | 15921013  | 0.85   | cps   |
| Thorium    | 232-1 | 24319531  | 24296858  | 24488740  | 24368376  | 0.43   | cps   |
| Tin        | 118-1 | 4992356   | 5048792   | 5132329   | 5057826   | 1.39   | cps   |
| Titanium   | 47-1  | 4446425   | 4467916   | 4510511   | 4474951   | 0.73   | cps   |
| Uranium    | 238-1 | 23302228  | 23284049  | 23551468  | 23379248  | 0.64   | cps   |
| Vanadium   | 51-2  | 1454852   | 1473776   | 1473307   | 1467312   | 0.74   | cps   |
| Yttrium    | 89-1  | 12484662  | 12512359  | 12632961  | 12543328  | 0.63   | cps   |
| Yttrium    | 89-2  | 1726921   | 1732491   | 1736931   | 1732114   | 0.29   | cps   |

|                         |                     |                   |                      |
|-------------------------|---------------------|-------------------|----------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal               |
| Lab Sample ID :         | CCV90               | Instrumnet Name : | P7                   |
| Client Sample ID :      | CCV90               | Dilution Factor : | 1                    |
| Date & Time Acquired :: | 2018-12-15 16:33:48 | DataFile Name :   | 029CCV_P7121518-MS.I |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zinc      | 66-2 | 575063   | 582651   | 585329   | 581014   | 0.92   | cps   |
| Zirconium | 90-1 | 10284472 | 10280593 | 10390331 | 10318465 | 0.60   | cps   |
| Zirconium | 91-1 | 2243813  | 2254840  | 2306872  | 2268508  | 1.48   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB90               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB90               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:38:59 | DataFile Name :   | 030CCBE_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 183      | 225      | 208      | 206      | 10.20  | cps   |
| Antimony   | 121-1 | 1242     | 1258     | 1192     | 1231     | 2.82   | cps   |
| Arsenic    | 75-2  | 19       | 19       | 19       | 19       | 0.00   | cps   |
| Barium     | 135-1 | 117      | 133      | 258      | 169      | 45.70  | cps   |
| Barium     | 137-1 | 292      | 292      | 317      | 300      | 4.81   | cps   |
| Beryllium  | 9-1   | 150      | 217      | 200      | 189      | 18.37  | cps   |
| Bismuth    | 209-1 | 12566940 | 12760225 | 12739223 | 12688796 | 0.84   | cps   |
| Bismuth    | 209-2 | 7510520  | 7567588  | 7537303  | 7538471  | 0.38   | cps   |
| Boron      | 10-1  | 9195     | 8736     | 8002     | 8644     | 6.96   | cps   |
| Boron      | 11-1  | 41884    | 38300    | 38066    | 39416    | 5.43   | cps   |
| Cadmium    | 111-1 | 3338     | 3264     | 3038     | 3213     | 4.87   | cps   |
| Cadmium    | 106-1 | 4618     | 4593     | 4251     | 4487     | 4.57   | cps   |
| Cadmium    | 108-1 | 33       | 25       | 13       | 24       | 44.41  | cps   |
| Calcium    | 43-1  | 242      | 225      | 308      | 258      | 17.07  | cps   |
| Calcium    | 44-1  | 10572    | 10688    | 10797    | 10686    | 1.05   | cps   |
| Chromium   | 52-2  | 1010     | 1057     | 990      | 1019     | 3.36   | cps   |
| Cobalt     | 59-2  | 157      | 173      | 117      | 149      | 19.56  | cps   |
| Copper     | 63-2  | 647      | 503      | 560      | 570      | 12.66  | cps   |
| Dysprosium | 156-1 | 0        | 17       | 8        | 8        | 100.02 | cps   |
| Dysprosium | 156-2 | 7        | 3        | 7        | 6        | 34.70  | cps   |
| Erbium     | 164-1 | 100      | 58       | 25       | 61       | 61.49  | cps   |
| Erbium     | 164-2 | 30       | 17       | 43       | 30       | 44.43  | cps   |
| Gadolinium | 160-1 | 50       | 58       | 25       | 44       | 39.04  | cps   |
| Gadolinium | 160-2 | 243      | 243      | 267      | 251      | 5.36   | cps   |
| Holmium    | 165-1 | 19044941 | 19237841 | 19118589 | 19133790 | 0.51   | cps   |
| Holmium    | 165-2 | 9880079  | 9812634  | 9823638  | 9838784  | 0.37   | cps   |
| Indium     | 115-1 | 14150171 | 14278414 | 14237367 | 14221984 | 0.46   | cps   |
| Indium     | 115-2 | 2541629  | 2558474  | 2567512  | 2555872  | 0.51   | cps   |
| Iron       | 56-2  | 13862    | 14180    | 13512    | 13851    | 2.41   | cps   |
| Iron       | 57-2  | 350      | 344      | 439      | 378      | 14.03  | cps   |
| Krypton    | 83-1  | 333      | 310      | 313      | 319      | 3.96   | cps   |
| Lead       | 206-1 | 661      | 772      | 717      | 717      | 7.75   | cps   |
| Lead       | 207-1 | 672      | 550      | 567      | 596      | 11.12  | cps   |
| Lead       | 208-1 | 2856     | 2800     | 2728     | 2795     | 2.29   | cps   |
| Lithium    | 6-1   | 6981770  | 7053064  | 6914184  | 6983006  | 0.99   | cps   |
| Magnesium  | 24-2  | 2484     | 2259     | 2075     | 2272     | 9.00   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB90               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB90               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:38:59 | DataFile Name :   | 030CCBE_P7121518-M5 |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 157      | 167      | 157      | 160      | 3.61   | cps   |
| Molybdenum | 94-1  | 1492     | 1517     | 1183     | 1397     | 13.29  | cps   |
| Molybdenum | 95-1  | 1692     | 1567     | 1692     | 1650     | 4.37   | cps   |
| Molybdenum | 96-1  | 1792     | 1600     | 1483     | 1625     | 9.58   | cps   |
| Molybdenum | 97-1  | 925      | 858      | 883      | 889      | 3.79   | cps   |
| Molybdenum | 98-1  | 2534     | 1942     | 2284     | 2253     | 13.19  | cps   |
| Neodymium  | 150-1 | 0        | 7        | 0        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 57       | 83       | 63       | 68       | 20.47  | cps   |
| Phosphorus | 31-2  | 275      | 283      | 308      | 289      | 6.01   | cps   |
| Potassium  | 39-2  | 13949    | 14091    | 14441    | 14160    | 1.79   | cps   |
| Rhodium    | 103-1 | 12629586 | 12831846 | 12786540 | 12749324 | 0.83   | cps   |
| Rhodium    | 103-2 | 5858663  | 5846738  | 5898152  | 5867851  | 0.46   | cps   |
| Scandium   | 45-1  | 9655483  | 9658196  | 9767573  | 9693750  | 0.66   | cps   |
| Scandium   | 45-2  | 384961   | 390231   | 387512   | 387568   | 0.68   | cps   |
| Selenium   | 77-2  | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 67       | 57       | 72       | 65       | 11.43  | cps   |
| Selenium   | 82-1  | 63       | 26       | 113      | 67       | 64.88  | cps   |
| Silicon    | 28-1  | 263610   | 260939   | 260481   | 261677   | 0.65   | cps   |
| Silver     | 109-1 | 325      | 400      | 467      | 397      | 17.84  | cps   |
| Silver     | 107-1 | 625      | 442      | 475      | 514      | 19.00  | cps   |
| Sodium     | 23-2  | 30048    | 28620    | 27710    | 28792    | 4.09   | cps   |
| Strontium  | 86-1  | 500      | 567      | 675      | 581      | 15.21  | cps   |
| Strontium  | 88-1  | 483      | 575      | 508      | 522      | 9.07   | cps   |
| Sulfur     | 34-1  | 249902   | 254282   | 251024   | 251736   | 0.90   | cps   |
| Terbium    | 159-1 | 19181190 | 19286730 | 19442136 | 19303352 | 0.68   | cps   |
| Terbium    | 159-2 | 9534439  | 9576943  | 9577649  | 9563010  | 0.26   | cps   |
| Thallium   | 203-1 | 917      | 908      | 883      | 903      | 1.92   | cps   |
| Thallium   | 205-1 | 2242     | 2142     | 2042     | 2142     | 4.67   | cps   |
| Thorium    | 232-1 | 2695     | 2339     | 2606     | 2547     | 7.27   | cps   |
| Tin        | 118-1 | 1283     | 1400     | 1433     | 1372     | 5.74   | cps   |
| Titanium   | 47-1  | 283      | 208      | 208      | 233      | 18.56  | cps   |
| Uranium    | 238-1 | 450      | 550      | 408      | 469      | 15.51  | cps   |
| Vanadium   | 51-2  | 43       | 30       | 37       | 37       | 18.18  | cps   |
| Yttrium    | 89-1  | 14510479 | 14660384 | 14584539 | 14585134 | 0.51   | cps   |
| Yttrium    | 89-2  | 1915594  | 1922961  | 1928681  | 1922412  | 0.34   | cps   |

|                         |                     |                   |                     |
|-------------------------|---------------------|-------------------|---------------------|
| LB Number :             | LB99847             | Operator :        | Jaswal              |
| Lab Sample ID :         | CCB90               | Instrumnet Name : | P7                  |
| Client Sample ID :      | CCB90               | Dilution Factor : | 1                   |
| Date & Time Acquired :: | 2018-12-15 16:38:59 | DataFile Name :   | 030CCBE_P7121518-MS |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 450  | 440  | 413  | 434     | 4.36   | cps   |
| Zirconium | 90-1 | 1408 | 1567 | 1542 | 1506    | 5.65   | cps   |
| Zirconium | 91-1 | 333  | 350  | 367  | 350     | 4.76   | cps   |