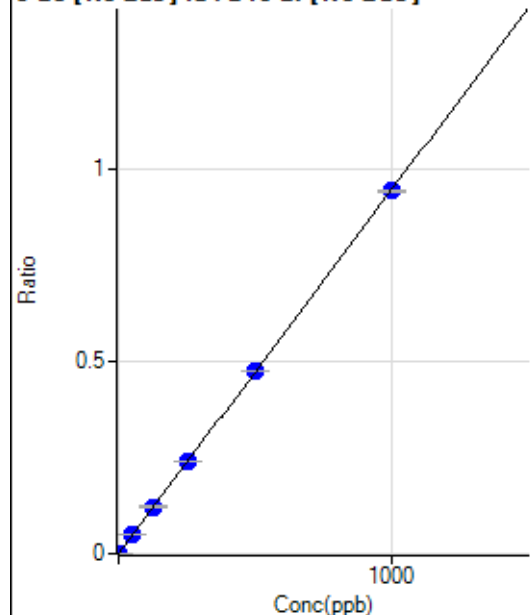


Calibration for 007CALS.d

Batch Folder: D:\ICP-MS Data\P7102117-MS.b\  
 Analysis File: P7102117-MS.batch.bin  
 DA Date-Time: 2017-10-21 17:10:49  
 Calibration Title:  
 Calibration Method: External Calibration  
 VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2017-10-21 14:37:49 |
| 2     |                    |             |                     |
| 3     | 005CALS.d          | S02         | 2017-10-21 14:45:29 |
| 4     | 006CALS.d          | S03         | 2017-10-21 14:49:14 |
| 5     | 007CALS.d          | S04         | 2017-10-21 14:52:59 |
| 6     | 008CALS.d          | S05         | 2017-10-21 14:56:41 |
| 7     | 009CALS.d          | S06         | 2017-10-21 15:00:19 |
| 8     | 010CALS.d          | S07         | 2017-10-21 15:03:53 |
| 9     | 011CALS.d          | S08         | 2017-10-21 15:07:22 |

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 27.78      | 0.0000 | P    | 60.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.932      | 1013.03    | 0.0009 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 50.000   | 53.090     | 56540.54   | 0.0501 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 129.364    | 139858.37  | 0.1221 | P    | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 254.150    | 271364.11  | 0.2398 | P    | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 501.556    | 523736.67  | 0.4733 | P    | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.485    | 1031382.56 | 0.9412 | P    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 388.90     | 0.0004 | P    | 7.8  |

$$y = 9.4358\text{E-}004 * x + 2.4580\text{E-}005$$

$$R = 1.0000$$

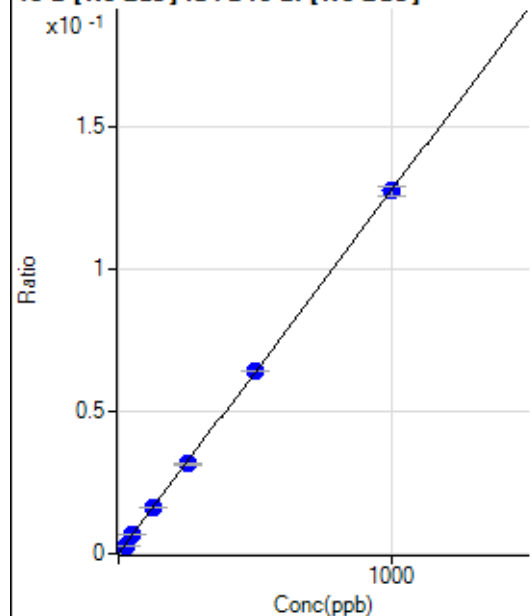
$$DL = 0.04695$$

$$BEC = 0.02605$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 83.34     | 0.0001 | P    | 0.4 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 25.000   | 22.396     | 3281.03   | 0.0029 | P    | 5.2 |
| 4 | <input type="checkbox"/> | 50.000   | 50.586     | 7360.45   | 0.0065 | P    | 1.3 |
| 5 | <input type="checkbox"/> | 125.000  | 125.838    | 18467.42  | 0.0161 | P    | 2.7 |
| 6 | <input type="checkbox"/> | 250.000  | 247.606    | 35809.94  | 0.0316 | P    | 1.6 |
| 7 | <input type="checkbox"/> | 500.000  | 503.466    | 71128.64  | 0.0643 | P    | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.797    | 139645.23 | 0.1274 | P    | 2.8 |
| 9 | <input type="checkbox"/> |          |            | 5312.27   | 0.0051 | P    | 8.2 |

$$y = 1.2752\text{E-}004 * x + 7.3674\text{E-}005$$

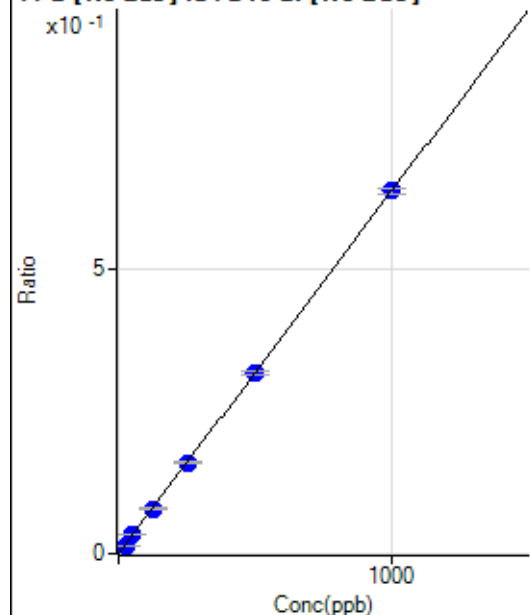
$$R = 1.0000$$

$$DL = 0.006218$$

$$BEC = 0.5777$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 397.25    | 0.0004 | P    | 4.9  |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 22.484     | 16415.00  | 0.0147 | P    | 2.8  |
| 4 | <input type="checkbox"/> | 50.000   | 50.790     | 36851.35  | 0.0327 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 123.521    | 90427.96  | 0.0789 | P    | 2.8  |
| 6 | <input type="checkbox"/> | 250.000  | 249.861    | 180268.47 | 0.1593 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 498.525    | 351383.58 | 0.3175 | P    | 1.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.981   | 698245.00 | 0.6372 | P    | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 25530.89  | 0.0244 | P    | 10.1 |

$$y = 6.3624\text{E-}004 * x + 3.5113\text{E-}004$$

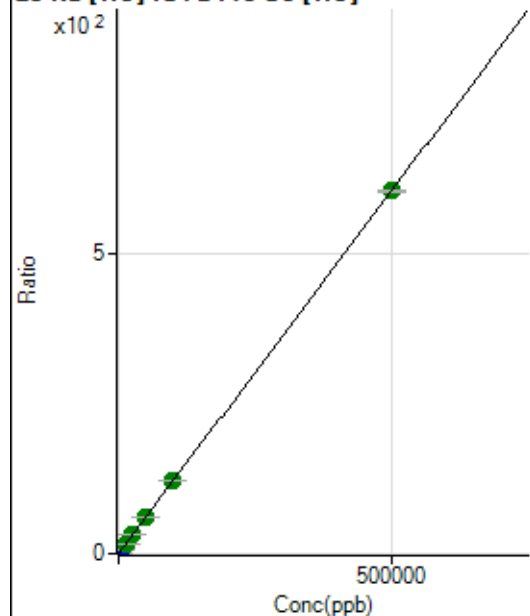
$$R = 1.0000$$

$$DL = 0.0817$$

$$BEC = 0.5519$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 13392.60    | 0.0573   | P    | 4.9 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 473.575    | 145716.58   | 0.6286   | P    | 0.4 |
| 4 | <input type="checkbox"/> | 5000.000  | 5244.984   | 1476630.66  | 6.3847   | P    | 0.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 12947.840  | 3586644.35  | 15.6773  | A    | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 25373.679  | 6962879.15  | 30.6675  | A    | 1.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 50205.972  | 13755620.97 | 60.6246  | A    | 0.7 |
| 8 | <input type="checkbox"/> | 100000.00 | 99668.601  | 27387887.42 | 120.2951 | A    | 0.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 500013.37  | 137897053.0 | 603.2614 | A    | 0.5 |

$$y = 0.0012 * x + 0.0573$$

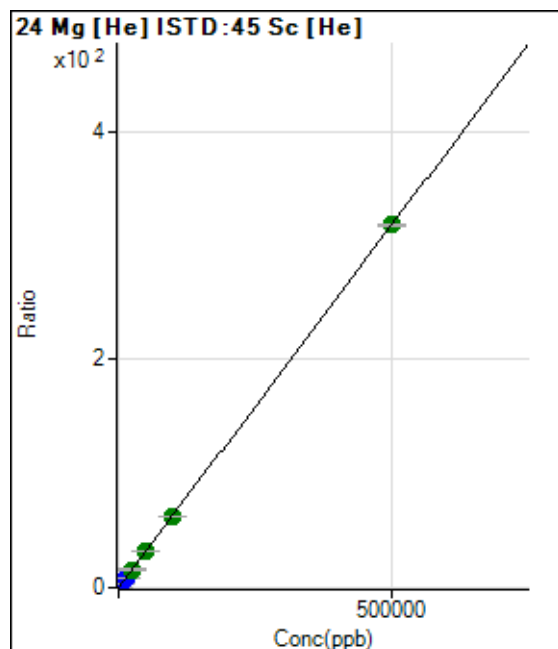
$$R = 1.0000$$

$$DL = 7.021$$

$$BEC = 47.51$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 611.15      | 0.0026   | P    | 7.8 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 461.050    | 68501.71    | 0.2955   | P    | 1.4 |
| 4 | <input type="checkbox"/> | 5000.000  | 5155.184   | 758041.26   | 3.2777   | P    | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12761.223  | 1855376.23  | 8.1099   | P    | 0.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 25061.475  | 3615619.05  | 15.9243  | A    | 1.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 49376.297  | 7118260.92  | 31.3716  | A    | 0.4 |
| 8 | <input type="checkbox"/> | 100000.00 | 97847.197  | 14152686.77 | 62.1653  | A    | 1.1 |
| 9 | <input type="checkbox"/> | 500000.00 | 500481.81  | 72679974.54 | 317.9605 | A    | 0.8 |

$$y = 6.3530E-004 * x + 0.0026$$

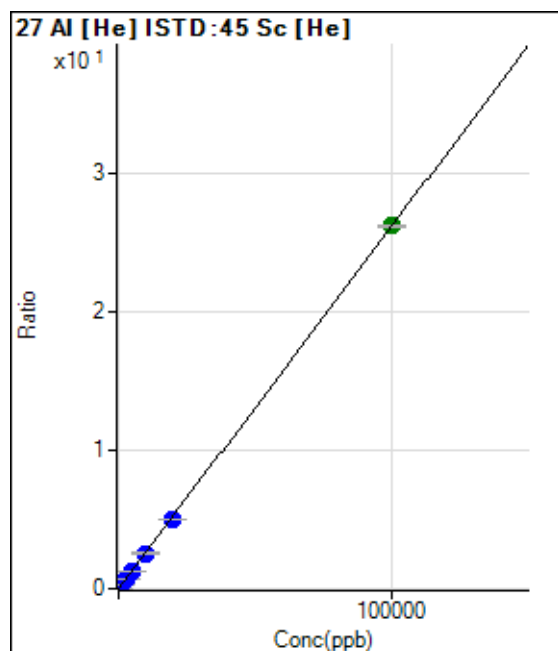
$$R = 1.0000$$

$$DL = 0.9603$$

$$BEC = 4.117$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 94.45      | 0.0004  | P    | 21.8 |
| 2 | <input type="checkbox"/> | 2.000     |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 20.000    | 16.803     | 1111.20    | 0.0048  | P    | 3.4  |
| 4 | <input type="checkbox"/> | 1000.000  | 999.996    | 60501.08   | 0.2616  | P    | 0.5  |
| 5 | <input type="checkbox"/> | 2500.000  | 2504.510   | 149751.18  | 0.6546  | P    | 1.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 4963.764   | 294461.60  | 1.2969  | P    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9752.986   | 578065.67  | 2.5478  | P    | 1.5  |
| 8 | <input type="checkbox"/> | 20000.000 | 19307.301  | 1148201.42 | 5.0433  | P    | 0.6  |
| 9 | <input type="checkbox"/> | 100000.00 | 100164.94  | 5980717.67 | 26.1628 | A    | 0.3  |

$$y = 2.6119E-004 * x + 4.0480E-004$$

$$R = 1.0000$$

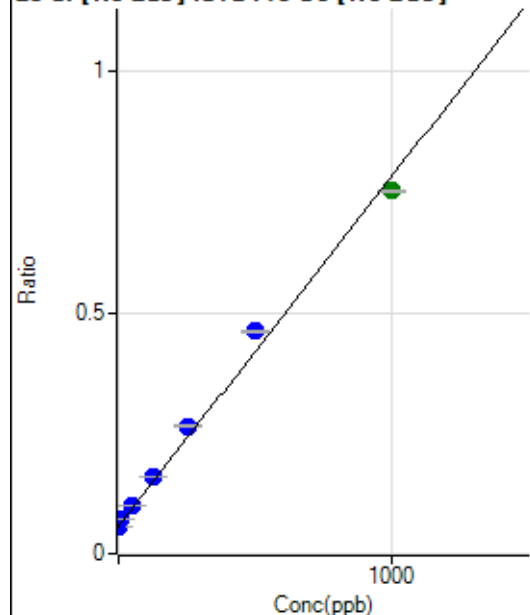
$$DL = 1.011$$

$$BEC = 1.55$$

Weight: <None>

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      | 284160.81  | 0.0574 | P    | 1.0 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 10.000   | 18.715     | 338310.26  | 0.0709 | P    | 1.2 |
| 4 | <input type="checkbox"/> | 50.000   | 59.880     | 479456.97  | 0.1007 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 142.922    | 761095.29  | 0.1609 | P    | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 286.432    | 1233266.64 | 0.2648 | P    | 0.4 |
| 7 | <input type="checkbox"/> | 500.000  | 557.634    | 2120896.47 | 0.4612 | P    | 1.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 959.254    | 3468433.85 | 0.7520 | A    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 386373.51  | 0.0832 | P    | 0.9 |

$$y = 7.2412\text{E-}004 * x + 0.0574$$

$$R = 0.9968$$

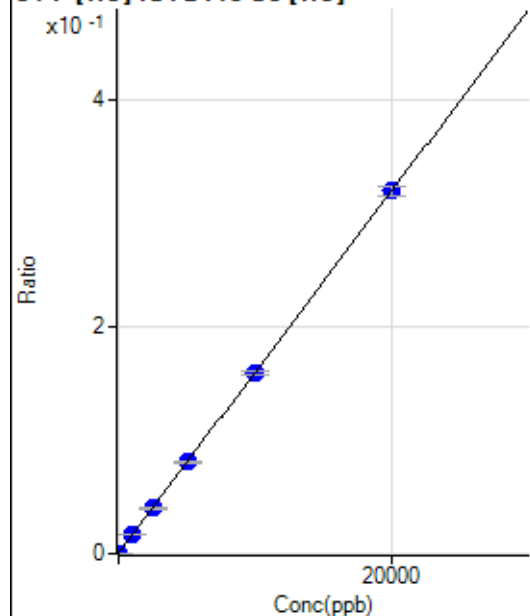
$$DL = 2.367$$

$$BEC = 79.25$$

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     | -0.868     | 102.78   | 0.0004 | P    | 3.2  |
| 2 | <input type="checkbox"/> | 0.000     |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 0.000     | 0.868      | 108.34   | 0.0005 | P    | 22.9 |
| 4 | <input type="checkbox"/> | 1000.000  | 1017.737   | 3864.55  | 0.0167 | P    | 7.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2495.419   | 9222.66  | 0.0403 | P    | 3.5  |
| 6 | <input type="checkbox"/> | 5000.000  | 5038.717   | 18375.81 | 0.0809 | P    | 2.0  |
| 7 | <input type="checkbox"/> | 10000.000 | 9959.842   | 36194.70 | 0.1595 | P    | 1.7  |
| 8 | <input type="checkbox"/> | 20000.000 | 20010.085  | 72858.75 | 0.3201 | P    | 2.5  |
| 9 | <input type="checkbox"/> |           |            | 108.34   | 0.0005 | P    | 47.9 |

$$y = 1.5972\text{E-}005 * x + 4.5341\text{E-}004$$

$$R = 1.0000$$

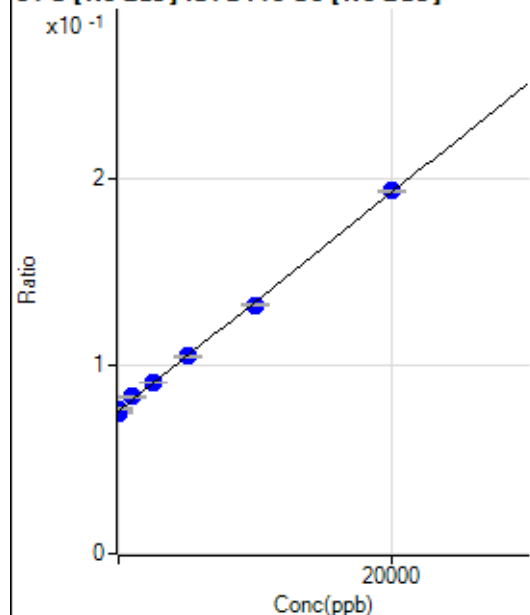
$$DL = 11.38$$

$$BEC = 28.39$$

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     | -157.741   | 372422.24 | 0.0752 | P    | 0.8 |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 0.000     | 157.741    | 367446.46 | 0.0770 | P    | 1.2 |
| 4 | <input type="checkbox"/> | 1000.000  | 1336.520   | 399378.08 | 0.0839 | P    | 1.1 |
| 5 | <input type="checkbox"/> | 2500.000  | 2615.532   | 432284.52 | 0.0914 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 5000.000  | 4972.276   | 489559.63 | 0.1051 | P    | 0.8 |
| 7 | <input type="checkbox"/> | 10000.000 | 9692.974   | 609974.41 | 0.1326 | P    | 1.1 |
| 8 | <input type="checkbox"/> | 20000.000 | 20129.177  | 892329.57 | 0.1935 | P    | 0.6 |
| 9 | <input type="checkbox"/> |           |            | 354696.11 | 0.0764 | P    | 0.9 |

$$y = 5.8294E-006 * x + 0.0761$$

$$R = 0.9996$$

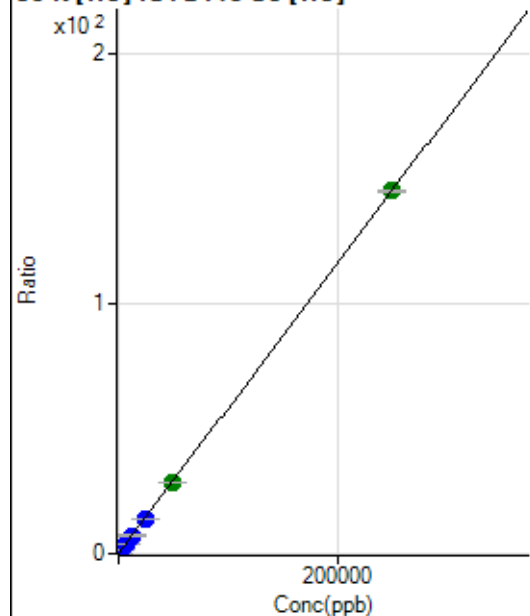
$$DL = 392.6$$

$$BEC = 1.306E+04$$

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      | 25851.09    | 0.1106   | P    | 2.2 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 451.645    | 86272.56    | 0.3722   | P    | 0.3 |
| 4 | <input type="checkbox"/> | 2500.000  | 2518.985   | 363016.10   | 1.5696   | P    | 0.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 6243.883   | 852679.21   | 3.7271   | P    | 0.6 |
| 6 | <input type="checkbox"/> | 12500.000 | 12403.851  | 1656307.64  | 7.2950   | P    | 1.1 |
| 7 | <input type="checkbox"/> | 25000.000 | 24256.130  | 3212845.01  | 14.1599  | P    | 0.7 |
| 8 | <input type="checkbox"/> | 50000.000 | 48648.766  | 6440193.55  | 28.2882  | A    | 1.0 |
| 9 | <input type="checkbox"/> | 250000.00 | 250349.50  | 33172550.39 | 145.1145 | A    | 0.2 |

$$y = 5.7921E-004 * x + 0.1106$$

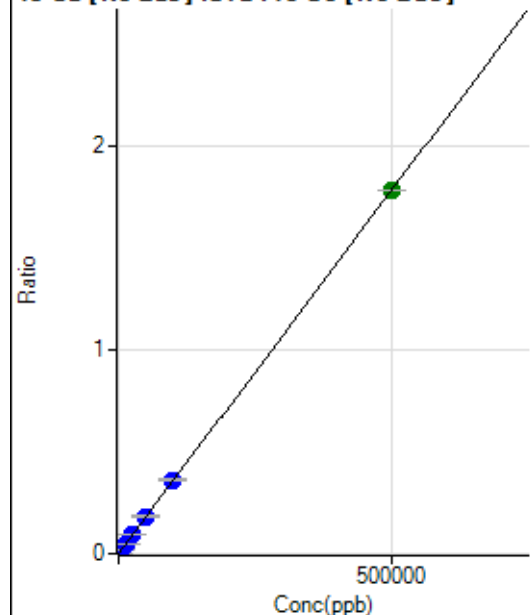
$$R = 1.0000$$

$$DL = 12.47$$

$$BEC = 190.9$$

Weight: &lt;None&gt;

Min Conc: 0

**43 Ca [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      | 447.25     | 0.0001 | P        | 5.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |        |          |     |
| 3 | <input type="checkbox"/> | 500.000   | 458.329    | 8233.19    | 0.0017 | P        | 3.3 |
| 4 | <input type="checkbox"/> | 5000.000  | 5218.891   | 89087.48   | 0.0187 | P        | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12979.830  | 219613.78  | 0.0464 | P        | 1.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 25989.524  | 432480.70  | 0.0929 | P        | 1.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 51434.297  | 844782.15  | 0.1837 | P        | 1.1 |
| 8 | <input type="checkbox"/> | 100000.00 | 101891.78  | 1677948.83 | 0.3638 | P        | 0.6 |
| 9 | <input type="checkbox"/> | 500000.00 | 499414.59  | 8281259.65 | 1.7828 | A        | 0.1 |

$$y = 3.5696\text{E-}006 * x + 9.0298\text{E-}005$$

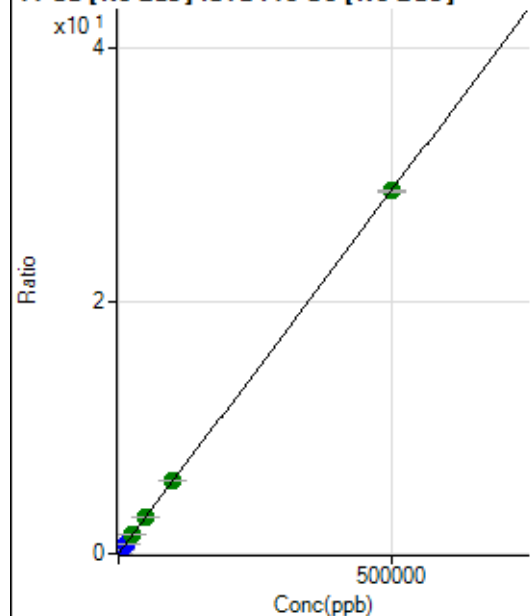
$$R = 1.0000$$

$$DL = 3.769$$

$$BEC = 25.3$$

Weight: &lt;None&gt;

Min Conc: 0

**44 Ca [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      | 32556.30    | 0.0066  | P        | 2.1 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |         |          |     |
| 3 | <input type="checkbox"/> | 500.000   | 460.841    | 157564.27   | 0.0330  | P        | 1.5 |
| 4 | <input type="checkbox"/> | 5000.000  | 5196.871   | 1451641.34  | 0.3050  | P        | 0.8 |
| 5 | <input type="checkbox"/> | 12500.000 | 12839.193  | 3519403.98  | 0.7439  | P        | 0.8 |
| 6 | <input type="checkbox"/> | 25000.000 | 25604.673  | 6879096.59  | 1.4771  | A        | 1.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 50977.366  | 13495103.25 | 2.9342  | A        | 0.5 |
| 8 | <input type="checkbox"/> | 100000.00 | 101267.78  | 26854822.82 | 5.8225  | A        | 0.8 |
| 9 | <input type="checkbox"/> | 500000.00 | 499608.06  | 133315522.4 | 28.6995 | A        | 0.5 |

$$y = 5.7431\text{E-}005 * x + 0.0066$$

$$R = 1.0000$$

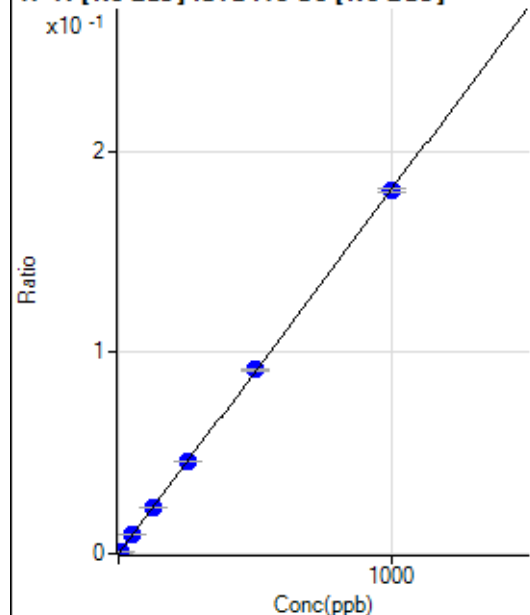
$$DL = 7.241$$

$$BEC = 114.5$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 133.34    | 0.0000 | P    | 15.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.451      | 3970.13   | 0.0008 | P    | 3.3  |
| 4 | <input type="checkbox"/> | 50.000   | 50.726     | 43799.28  | 0.0092 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 126.137    | 108080.31 | 0.0228 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 255.681    | 215554.62 | 0.0463 | P    | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 504.342    | 419733.82 | 0.0913 | P    | 1.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.233    | 831392.57 | 0.1803 | P    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 644.48    | 0.0001 | P    | 10.4 |

$$y = 1.8091\text{E-}004 * x + 2.6910\text{E-}005$$

$$R = 1.0000$$

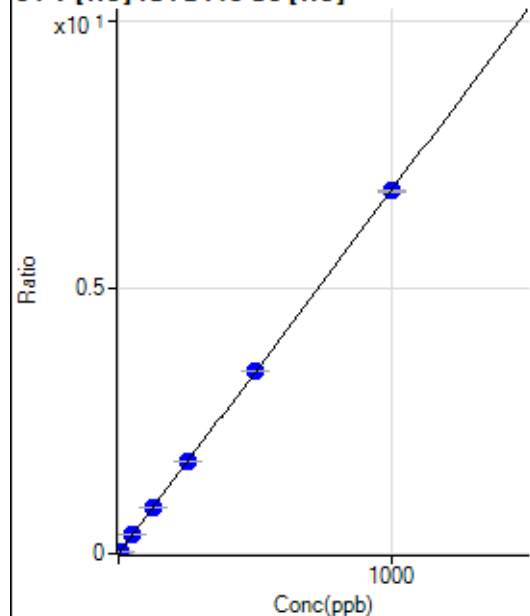
$$DL = 0.07077$$

$$BEC = 0.1487$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 10.00      | 0.0000 | P    | 88.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.637      | 7353.05    | 0.0317 | P    | 1.7  |
| 4 | <input type="checkbox"/> | 50.000   | 51.173     | 80858.08   | 0.3496 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 127.646    | 199504.17  | 0.8720 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 252.573    | 391767.11  | 1.7254 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 501.555    | 777442.16  | 3.4263 | P    | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.192    | 1552520.06 | 6.8190 | P    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 325.57     | 0.0014 | P    | 8.8  |

$$y = 0.0068 * x + 4.2804\text{E-}005$$

$$R = 1.0000$$

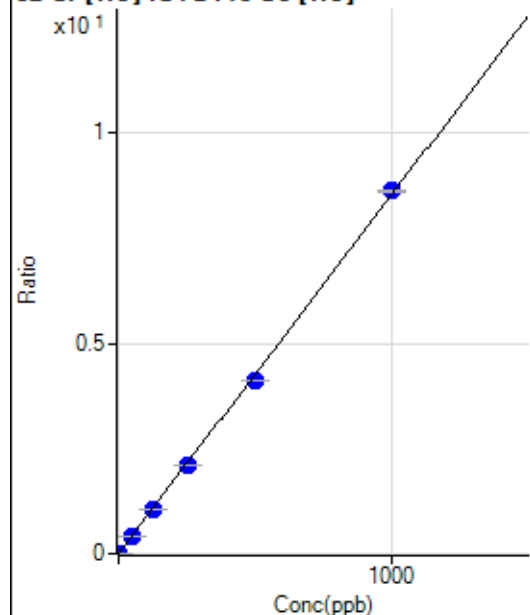
$$DL = 0.01667$$

$$BEC = 0.006266$$

Weight: &lt;None&gt;

Min Conc: 0



**52 Cr [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      | 1306.75    | 0.0056 | P   | 5.3 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 1.842      | 4933.12    | 0.0213 | P   | 2.0 |
| 4 | <input type="checkbox"/> | 50.000   | 49.347     | 98506.30   | 0.4259 | P   | 1.4 |
| 5 | <input type="checkbox"/> | 125.000  | 123.131    | 241240.53  | 1.0545 | P   | 0.3 |
| 6 | <input type="checkbox"/> | 250.000  | 243.731    | 472684.78  | 2.0818 | P   | 0.1 |
| 7 | <input type="checkbox"/> | 500.000  | 481.082    | 931142.09  | 4.1036 | P   | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 1011.293   | 1962582.13 | 8.6201 | P   | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 25027.01   | 0.1095 | P   | 1.2 |

$$y = 0.0085 * x + 0.0056$$

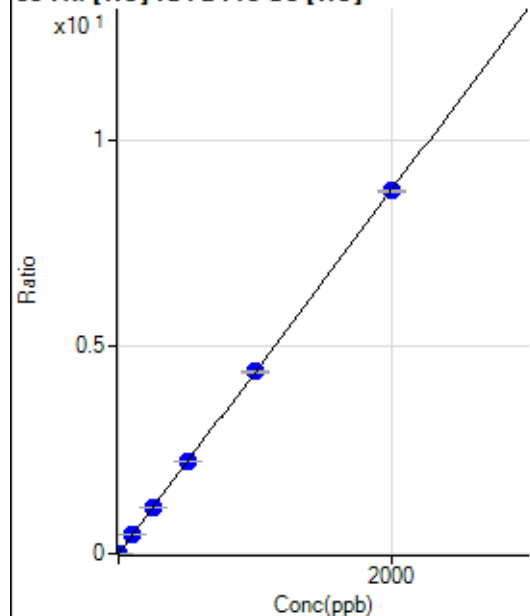
$$R = 0.9997$$

$$DL = 0.1037$$

$$BEC = 0.6565$$

Weight: &lt;None&gt;

Min Conc: 0

**55 Mn [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      | 113.34     | 0.0005 | P   | 19.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.864      | 992.27     | 0.0043 | P   | 2.2  |
| 4 | <input type="checkbox"/> | 100.000  | 103.897    | 105670.70  | 0.4569 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 257.278    | 258687.48  | 1.1307 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 500.000  | 510.512    | 509323.36  | 2.2432 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.715   | 998609.73  | 4.4011 | P   | 0.7  |
| 8 | <input type="checkbox"/> | 2000.000 | 1995.410   | 1995882.64 | 8.7665 | P   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 6031.32    | 0.0264 | P   | 3.9  |

$$y = 0.0044 * x + 4.8419E-004$$

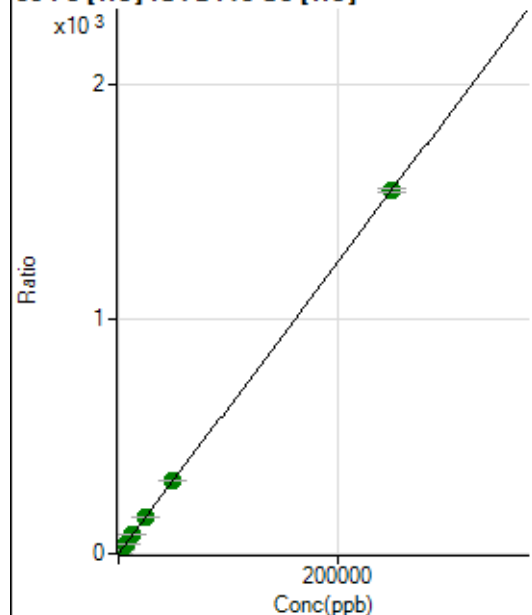
$$R = 1.0000$$

$$DL = 0.06525$$

$$BEC = 0.1102$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4767.57     | 0.0204    | P    | 3.8 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |           |      |     |
| 3 | <input type="checkbox"/> | 50.000    | 50.742     | 77474.40    | 0.3342    | P    | 1.2 |
| 4 | <input type="checkbox"/> | 2500.000  | 2648.753   | 3793249.19  | 16.4019   | A    | 0.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 6528.757   | 9242267.57  | 40.3981   | A    | 0.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 12839.453  | 18033714.06 | 79.4273   | A    | 1.0 |
| 7 | <input type="checkbox"/> | 25000.000 | 25305.479  | 35515832.04 | 156.5246  | A    | 0.5 |
| 8 | <input type="checkbox"/> | 50000.000 | 50746.070  | 71455572.90 | 313.8645  | A    | 0.9 |
| 9 | <input type="checkbox"/> | 250000.00 | 249794.80  | 353130152.3 | 1,544.901 | A    | 1.0 |

$$y = 0.0062 * x + 0.0204$$

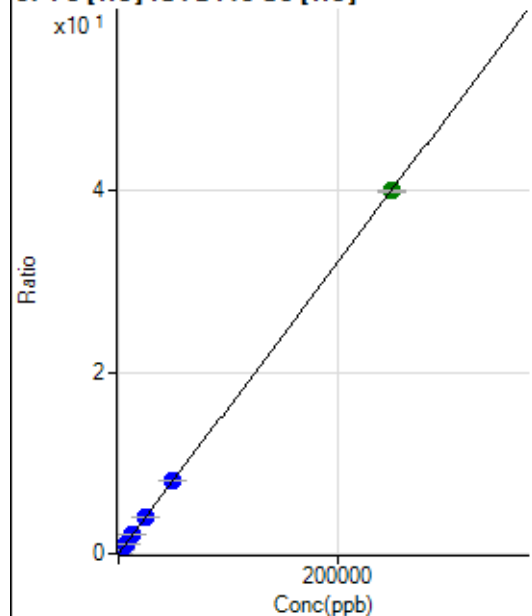
$$R = 1.0000$$

$$DL = 0.3719$$

$$BEC = 3.299$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 214.82     | 0.0009  | P    | 7.9 |
| 2 | <input type="checkbox"/> | 5.000     |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 50.000    | 50.754     | 2094.65    | 0.0090  | P    | 2.8 |
| 4 | <input type="checkbox"/> | 2500.000  | 2648.480   | 98174.71   | 0.4245  | P    | 0.2 |
| 5 | <input type="checkbox"/> | 6250.000  | 6610.302   | 242073.44  | 1.0581  | P    | 0.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 13017.683  | 472909.39  | 2.0829  | P    | 1.0 |
| 7 | <input type="checkbox"/> | 25000.000 | 25516.426  | 926187.80  | 4.0818  | P    | 0.1 |
| 8 | <input type="checkbox"/> | 50000.000 | 50544.620  | 1840647.78 | 8.0846  | P    | 0.2 |
| 9 | <input type="checkbox"/> | 250000.00 | 249803.05  | 9132883.77 | 39.9524 | A    | 0.4 |

$$y = 1.5993E-004 * x + 9.1923E-004$$

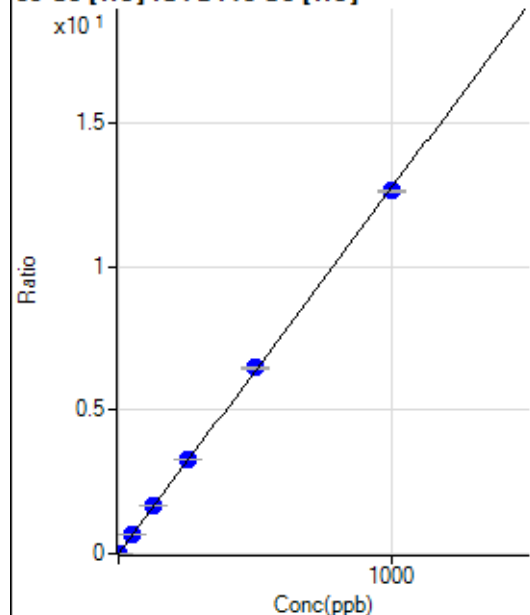
$$R = 1.0000$$

$$DL = 1.354$$

$$BEC = 5.748$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 128.89     | 0.0006  | P    | 11.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.960      | 2964.79    | 0.0128  | P    | 3.3  |
| 4 | <input type="checkbox"/> | 50.000   | 53.578     | 158107.24  | 0.6836  | P    | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 132.448    | 386453.30  | 1.6892  | P    | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 258.547    | 748554.96  | 3.2969  | P    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 509.253    | 1473300.67 | 6.4933  | P    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.127    | 2879977.73 | 12.6498 | P    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 3763.87    | 0.0165  | P    | 0.9  |

$$y = 0.0127 * x + 5.5179E-004$$

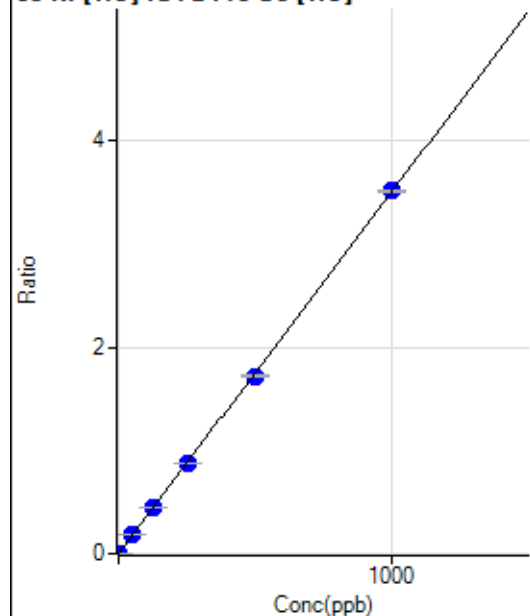
$$R = 0.9999$$

$$DL = 0.01483$$

$$BEC = 0.04328$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 94.45     | 0.0004 | P    | 16.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.993      | 898.93    | 0.0039 | P    | 4.2  |
| 4 | <input type="checkbox"/> | 50.000   | 52.274     | 42375.78  | 0.1832 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 127.478    | 102092.39 | 0.4462 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 250.000  | 250.629    | 199108.98 | 0.8770 | P    | 1.4  |
| 7 | <input type="checkbox"/> | 500.000  | 491.772    | 390353.16 | 1.7203 | P    | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.533   | 799161.62 | 3.5102 | P    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 7916.69   | 0.0346 | P    | 0.7  |

$$y = 0.0035 * x + 4.0349E-004$$

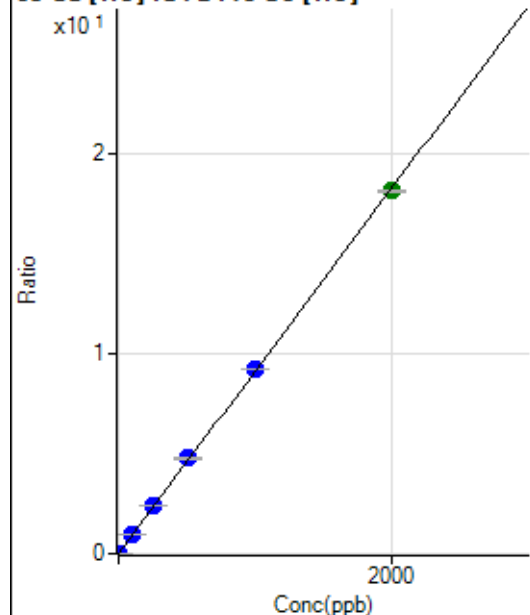
$$R = 0.9999$$

$$DL = 0.05802$$

$$BEC = 0.1154$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>63</sup>Cu [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|------------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 942.27     | 0.0040  | P   | 5.6 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 1.976      | 5113.20    | 0.0221  | P   | 1.7 |
| 4 | <input type="checkbox"/> | 100.000  | 108.362    | 229580.68  | 0.9927  | P   | 0.7 |
| 5 | <input type="checkbox"/> | 250.000  | 264.851    | 553744.89  | 2.4204  | P   | 0.7 |
| 6 | <input type="checkbox"/> | 500.000  | 521.376    | 1080952.67 | 4.7609  | P   | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 1009.922   | 2091644.86 | 9.2183  | P   | 0.4 |
| 8 | <input type="checkbox"/> | 2000.000 | 1987.421   | 4129155.67 | 18.1367 | A   | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 7497.59    | 0.0328  | P   | 3.3 |

$$y = 0.0091 * x + 0.0040$$

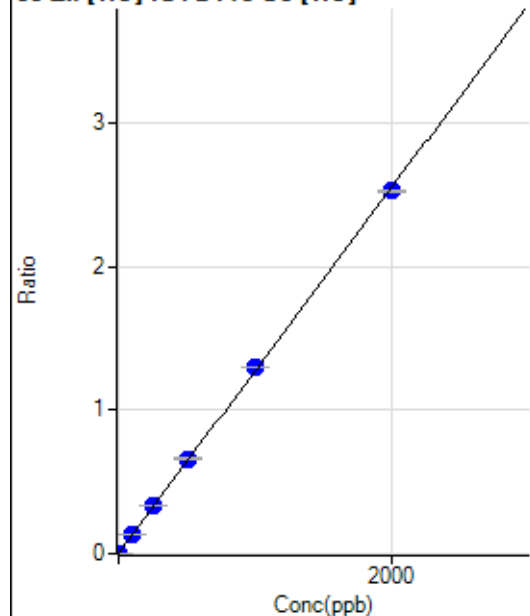
$$R = 0.9999$$

$$DL = 0.07445$$

$$BEC = 0.4419$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>66</sup>Zn [He] ISTD:45 Sc [He]**

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 383.35    | 0.0016 | P   | 3.6 |
| 2 | <input type="checkbox"/> | 0.200    |            |           |        |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.170      | 1021.17   | 0.0044 | P   | 3.0 |
| 4 | <input type="checkbox"/> | 100.000  | 106.304    | 31712.29  | 0.1371 | P   | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 263.826    | 77299.04  | 0.3379 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 500.000  | 518.609    | 150433.70 | 0.6626 | P   | 1.8 |
| 7 | <input type="checkbox"/> | 1000.000 | 1020.930   | 295608.56 | 1.3028 | P   | 0.6 |
| 8 | <input type="checkbox"/> | 2000.000 | 1982.839   | 575708.61 | 2.5287 | P   | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 2013.50   | 0.0088 | P   | 5.3 |

$$y = 0.0013 * x + 0.0016$$

$$R = 0.9999$$

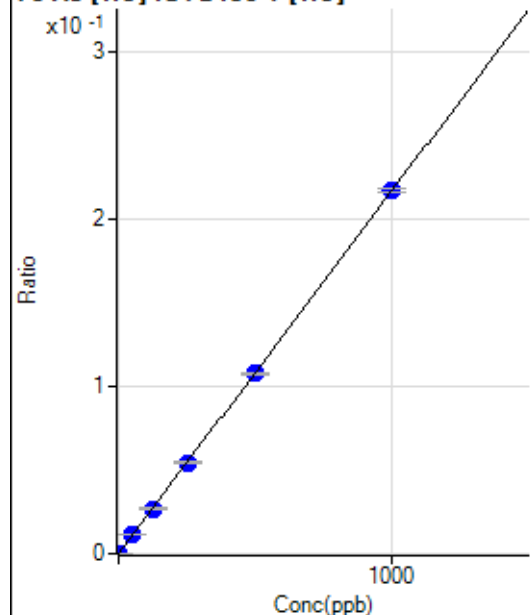
$$DL = 0.1389$$

$$BEC = 1.287$$

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      | 1.85      | 0.0000 | P        | 99.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.973      | 235.81    | 0.0002 | P        | 9.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.801     | 12293.53  | 0.0110 | P        | 1.2  |
| 5 | <input type="checkbox"/> | 125.000  | 124.672    | 30264.21  | 0.0270 | P        | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 251.235    | 59987.77  | 0.0545 | P        | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 496.822    | 118939.21 | 0.1078 | P        | 1.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.281   | 238412.06 | 0.2172 | P        | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 115.43    | 0.0001 | P        | 22.4 |

$$y = 2.1688\text{E-}004 * x + 1.6494\text{E-}006$$

$$R = 1.0000$$

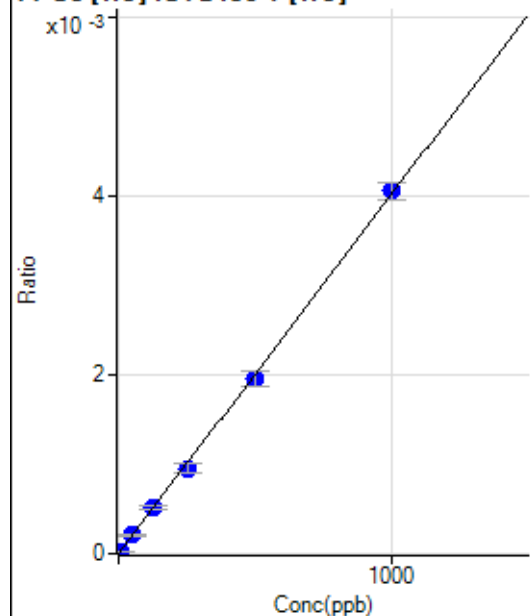
$$DL = 0.02261$$

$$BEC = 0.007605$$

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    | 5.221      | 23.33   | 0.0000 | P        | 86.4 |
| 4 | <input type="checkbox"/> | 50.000   | 50.837     | 227.78  | 0.0002 | P        | 13.6 |
| 5 | <input type="checkbox"/> | 125.000  | 128.247    | 576.69  | 0.0005 | P        | 5.1  |
| 6 | <input type="checkbox"/> | 250.000  | 237.552    | 1051.17 | 0.0010 | P        | 9.5  |
| 7 | <input type="checkbox"/> | 500.000  | 486.755    | 2157.98 | 0.0020 | P        | 9.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1009.286   | 4450.75 | 0.0041 | P        | 4.5  |
| 9 | <input type="checkbox"/> |          |            | 0.00    | 0.0000 | P        |      |

$$y = 4.0175\text{E-}006 * x + 0.0000\text{E+}000$$

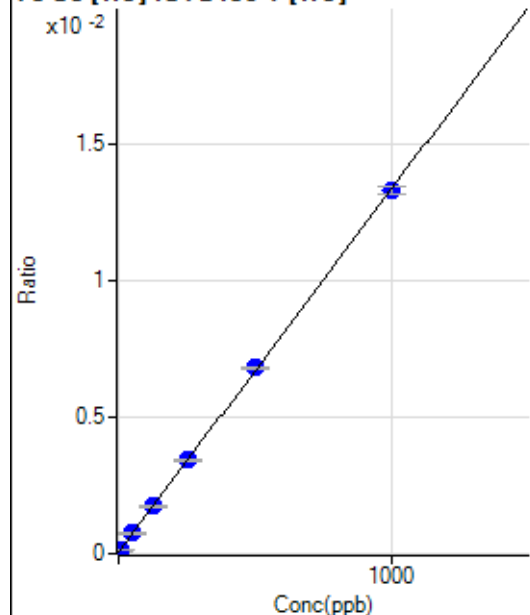
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 59.26    | 0.0001 | P    | 20.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.968      | 132.72   | 0.0001 | P    | 3.2  |
| 4 | <input type="checkbox"/> | 50.000   | 53.398     | 853.12   | 0.0008 | P    | 7.0  |
| 5 | <input type="checkbox"/> | 125.000  | 126.926    | 1952.62  | 0.0017 | P    | 3.0  |
| 6 | <input type="checkbox"/> | 250.000  | 254.515    | 3791.89  | 0.0034 | P    | 2.4  |
| 7 | <input type="checkbox"/> | 500.000  | 507.630    | 7524.23  | 0.0068 | P    | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.646    | 14606.19 | 0.0133 | P    | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 63.58    | 0.0001 | P    | 14.7 |

$$y = 1.3323\text{E-}005 * x + 5.3478\text{E-}005$$

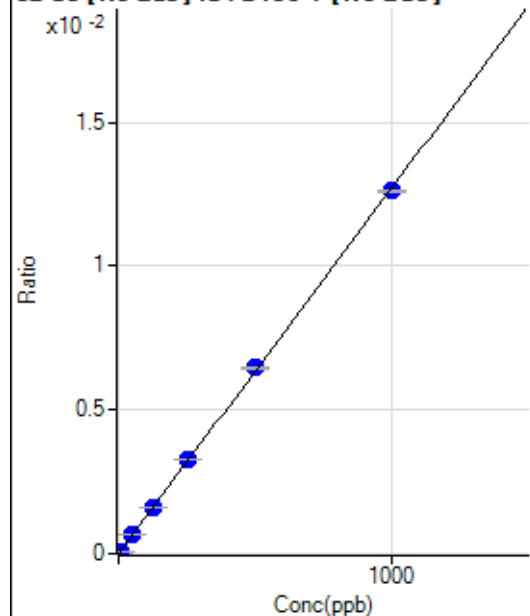
$$R = 0.9999$$

$$DL = 2.427$$

$$BEC = 4.014$$

Weight: &lt;None&gt;

Min Conc: 0

**82 Se [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      | 11.48    | 0.0000 | P    | 337. |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.093      | 508.50   | 0.0001 | P    | 9.4  |
| 4 | <input type="checkbox"/> | 50.000   | 51.262     | 5047.51  | 0.0007 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 125.000  | 128.139    | 12539.23 | 0.0016 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 257.474    | 24877.71 | 0.0033 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 508.744    | 48345.85 | 0.0065 | P    | 1.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.304    | 95348.26 | 0.0126 | P    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 86.13    | 0.0000 | P    | 58.6 |

$$y = 1.2690\text{E-}005 * x + 1.3695\text{E-}006$$

$$R = 0.9999$$

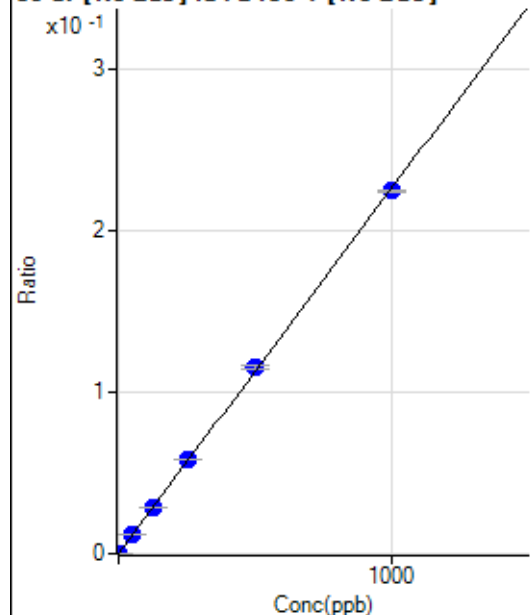
$$DL = 1.093$$

$$BEC = 0.1079$$

Weight: &lt;None&gt;

Min Conc: 0

86 Sr [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      | 500.03     | 0.0001 | P   | 2.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.942      | 2111.37    | 0.0003 | P   | 5.6 |
| 4 | <input type="checkbox"/> | 50.000   | 51.656     | 90850.66   | 0.0117 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 125.000  | 127.589    | 222596.63  | 0.0289 | P   | 0.7 |
| 6 | <input type="checkbox"/> | 250.000  | 257.608    | 443455.44  | 0.0583 | P   | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 508.408    | 860497.07  | 0.1149 | P   | 2.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 993.488    | 1698210.91 | 0.2245 | P   | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 59083.20   | 0.0081 | P   | 1.2 |

$$y = 2.2595E-004 * x + 6.1104E-005$$

$$R = 0.9999$$

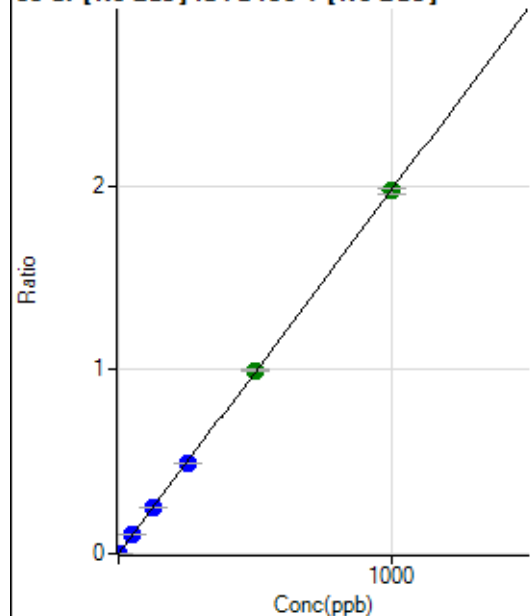
$$DL = 0.02379$$

$$BEC = 0.2704$$

Weight: &lt;None&gt;

Min Conc: 0

88 Sr [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      | 327.80      | 0.0000 | P   | 20.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.934      | 14569.03    | 0.0019 | P   | 1.6  |
| 4 | <input type="checkbox"/> | 50.000   | 51.108     | 783457.42   | 0.1012 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 125.814    | 1918795.44  | 0.2490 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 249.043    | 3751462.93  | 0.4929 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 504.230    | 7471944.70  | 0.9980 | A   | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.967    | 14936634.71 | 1.9751 | A   | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 502007.13   | 0.0686 | P   | 1.4  |

$$y = 0.0020 * x + 4.0072E-005$$

$$R = 1.0000$$

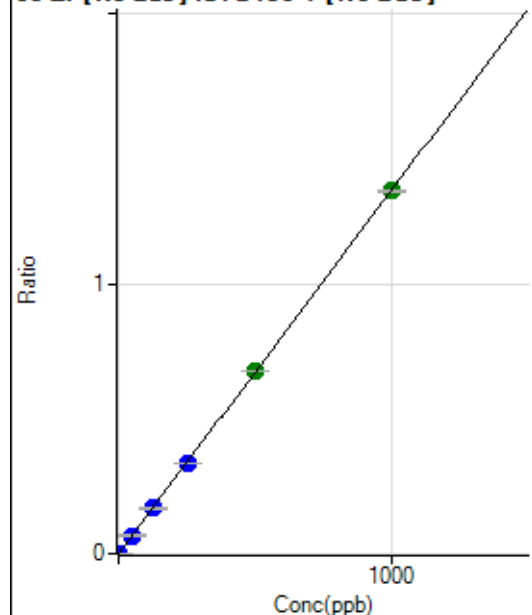
$$DL = 0.01259$$

$$BEC = 0.02025$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 597.26      | 0.0001 | P    | 8.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.869      | 9578.56     | 0.0012 | P    | 4.4 |
| 4 | <input type="checkbox"/> | 50.000   | 50.149     | 522931.20   | 0.0675 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 124.862    | 1294761.78  | 0.1680 | P    | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 248.685    | 2546645.98  | 0.3346 | P    | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 503.791    | 5074916.22  | 0.6778 | A    | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.443    | 10158871.93 | 1.3433 | A    | 0.6 |
| 9 | <input type="checkbox"/> |          |            | 2278.05     | 0.0003 | P    | 2.4 |

$$y = 0.0013 * x + 7.2946E-005$$

$$R = 1.0000$$

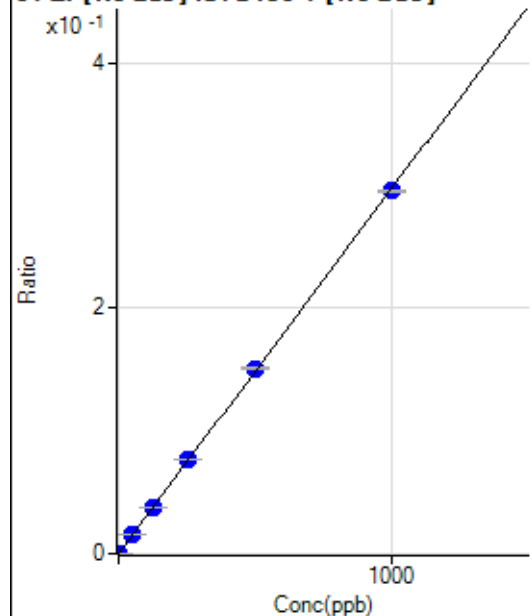
$$DL = 0.01305$$

$$BEC = 0.05422$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 125.00     | 0.0000 | P    | 39.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.900      | 2183.59    | 0.0003 | P    | 5.7  |
| 4 | <input type="checkbox"/> | 50.000   | 50.692     | 116925.08  | 0.0151 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 127.896    | 293381.63  | 0.0381 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 256.895    | 581987.40  | 0.0765 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 507.323    | 1130566.41 | 0.1510 | P    | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.218    | 2237983.75 | 0.2959 | P    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 561.15     | 0.0001 | P    | 6.8  |

$$y = 2.9762E-004 * x + 1.5243E-005$$

$$R = 0.9999$$

$$DL = 0.0609$$

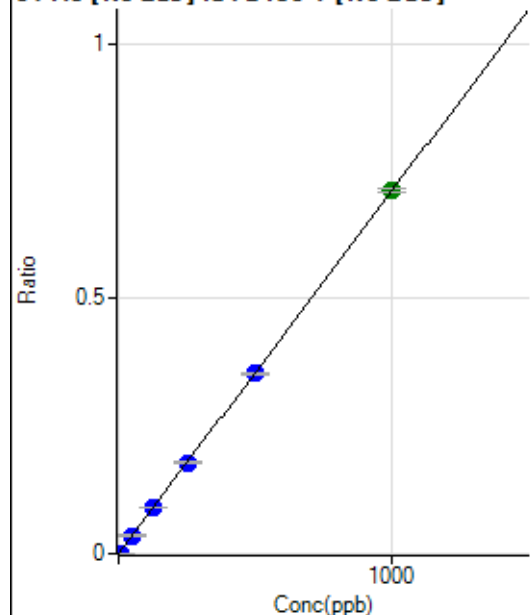
$$BEC = 0.05122$$

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      | 166.67     | 0.0000 | P    | 25.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 1.961      | 10904.57   | 0.0014 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 50.000   | 50.297     | 276956.21  | 0.0358 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 125.164    | 685587.22  | 0.0890 | P    | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 251.071    | 1358227.79 | 0.1785 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 496.363    | 2641471.46 | 0.3528 | P    | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.530   | 5383517.22 | 0.7119 | A    | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 5112.23    | 0.0007 | P    | 3.3  |

$$y = 7.1075\text{E-}004 * x + 2.0330\text{E-}005$$

$$R = 1.0000$$

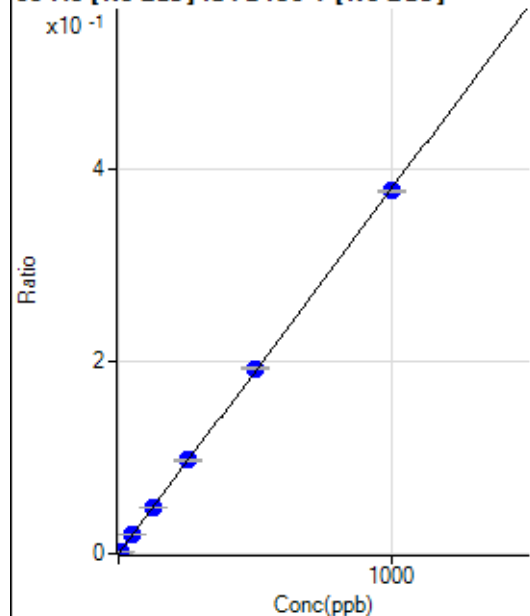
$$DL = 0.02195$$

$$BEC = 0.0286$$

Weight: &lt;None&gt;

Min Conc: 0

95 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      | 72.23      | 0.0000 | P    | 24.1 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.639      | 13659.80   | 0.0018 | P    | 2.6  |
| 4 | <input type="checkbox"/> | 50.000   | 51.236     | 150832.01  | 0.0195 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 126.713    | 371095.36  | 0.0482 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 255.972    | 740417.60  | 0.0973 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 507.517    | 1444117.29 | 0.1929 | P    | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.474    | 2858399.89 | 0.3779 | P    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 7452.24    | 0.0010 | P    | 2.9  |

$$y = 3.8004\text{E-}004 * x + 8.8280\text{E-}006$$

$$R = 0.9999$$

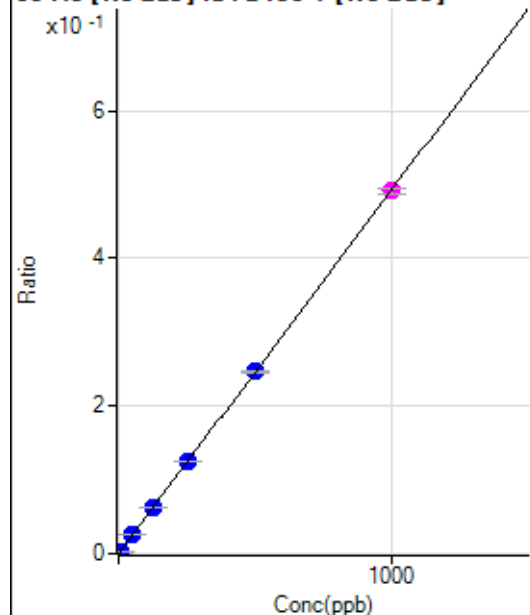
$$DL = 0.01677$$

$$BEC = 0.02323$$

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      | 147.23     | 0.0000 | P    | 3.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 3.953      | 15150.31   | 0.0020 | P    | 2.0 |
| 4 | <input type="checkbox"/> | 50.000   | 50.308     | 192003.14  | 0.0248 | P    | 0.3 |
| 5 | <input type="checkbox"/> | 125.000  | 125.791    | 477494.60  | 0.0620 | P    | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 253.911    | 951923.33  | 0.1251 | P    | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 501.580    | 1849821.74 | 0.2471 | P    | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.123    | 3718518.14 | 0.4916 | M    | 1.5 |
| 9 | <input type="checkbox"/> |          |            | 9642.56    | 0.0013 | P    | 3.9 |

$$y = 4.9254\text{E-}004 * x + 1.7993\text{E-}005$$

$$R = 1.0000$$

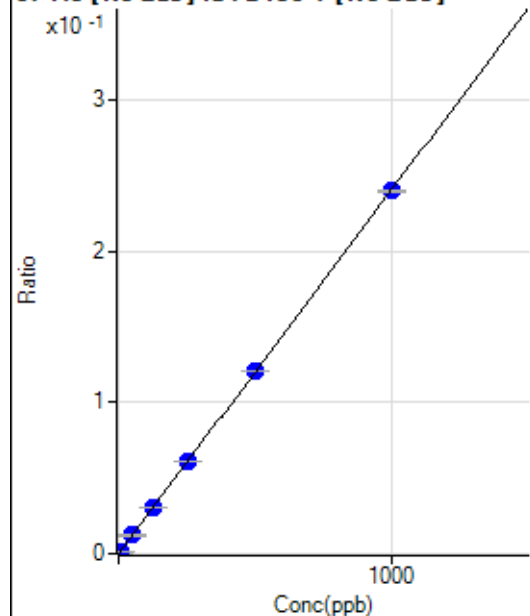
$$DL = 0.003919$$

$$BEC = 0.03653$$

Weight: &lt;None&gt;

Min Conc: 0

97 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      | 50.00      | 0.0000 | P    | 17.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.593      | 8552.93    | 0.0011 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 50.262     | 93519.65   | 0.0121 | P    | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 126.224    | 233631.00  | 0.0303 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 253.019    | 462545.94  | 0.0608 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 503.124    | 904827.29  | 0.1209 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.519    | 1812045.81 | 0.2396 | P    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 4714.84    | 0.0006 | P    | 1.9  |

$$y = 2.4019\text{E-}004 * x + 6.1133\text{E-}006$$

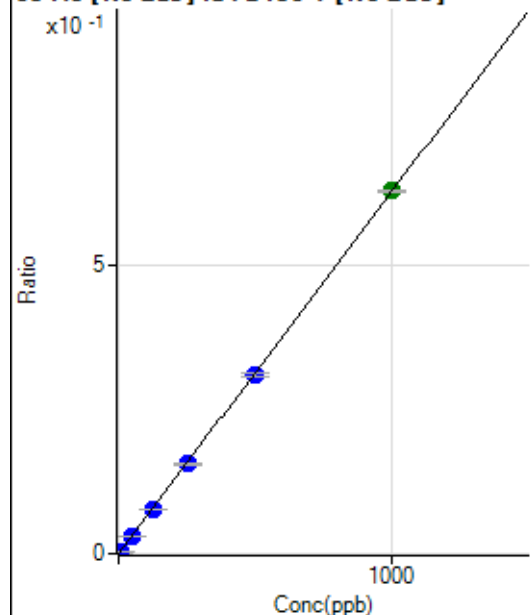
$$R = 1.0000$$

$$DL = 0.01298$$

$$BEC = 0.02545$$

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      | 97.23      | 0.0000 | P    | 33.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.431      | 21494.88   | 0.0028 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 50.000   | 49.974     | 242445.20  | 0.0313 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 123.509    | 596102.95  | 0.0774 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 248.170    | 1183083.46 | 0.1555 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 494.883    | 2320873.12 | 0.3100 | P    | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.207   | 4752475.98 | 0.6284 | A    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 11927.68   | 0.0016 | P    | 3.1  |

$$y = 6.2636\text{E-}004 * x + 1.1908\text{E-}005$$

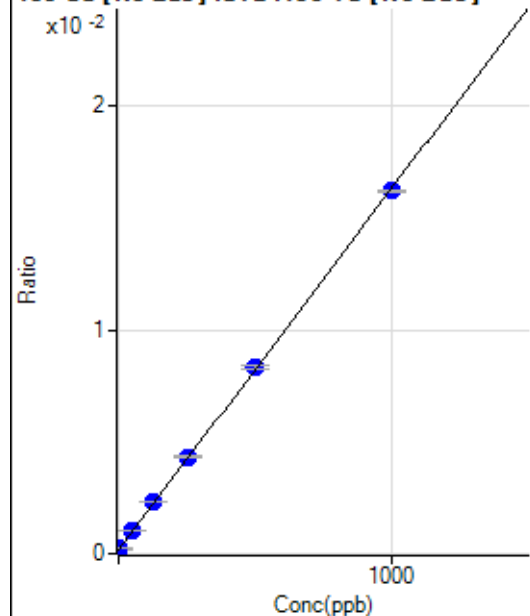
$$R = 1.0000$$

$$DL = 0.01915$$

$$BEC = 0.01901$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1744.62   | 0.0002 | P    | 5.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 2.670      | 2033.58   | 0.0002 | P    | 1.8 |
| 4 | <input type="checkbox"/> | 50.000   | 52.159     | 9442.44   | 0.0010 | P    | 2.3 |
| 5 | <input type="checkbox"/> | 125.000  | 131.545    | 21138.69  | 0.0023 | P    | 1.5 |
| 6 | <input type="checkbox"/> | 250.000  | 256.403    | 39453.32  | 0.0043 | P    | 2.2 |
| 7 | <input type="checkbox"/> | 500.000  | 506.329    | 74937.09  | 0.0083 | P    | 1.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.307    | 146912.07 | 0.0162 | P    | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 1825.19   | 0.0002 | P    | 8.3 |

$$y = 1.6120\text{E-}005 * x + 1.7716\text{E-}004$$

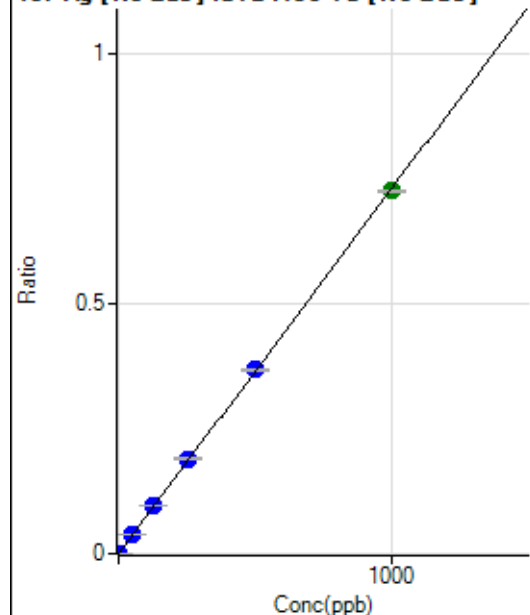
$$R = 0.9999$$

$$DL = 1.723$$

$$BEC = 10.99$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 80.56      | 0.0000 | P    | 15.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.000      | 6801.89    | 0.0007 | P    | 0.3  |
| 4 | <input type="checkbox"/> | 50.000   | 53.122     | 358976.36  | 0.0387 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 131.018    | 877998.96  | 0.0954 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 260.309    | 1735271.96 | 0.1896 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 503.695    | 3296590.03 | 0.3669 | P    | 1.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.667    | 6567650.10 | 0.7245 | A    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 833.40     | 0.0001 | P    | 8.1  |

$$y = 7.2833\text{E-}004 * x + 8.1758\text{E-}006$$

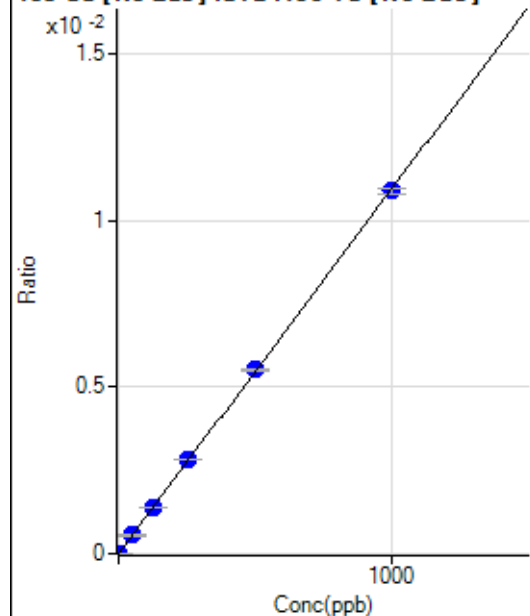
$$R = 0.9999$$

$$DL = 0.005194$$

$$BEC = 0.01123$$

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    | 57.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.066      | 118.06   | 0.0000 | P    | 6.3  |
| 4 | <input type="checkbox"/> | 50.000   | 50.793     | 5164.94  | 0.0006 | P    | 4.6  |
| 5 | <input type="checkbox"/> | 125.000  | 127.117    | 12806.01 | 0.0014 | P    | 2.7  |
| 6 | <input type="checkbox"/> | 250.000  | 258.660    | 25912.84 | 0.0028 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 503.962    | 49563.05 | 0.0055 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.550    | 98756.44 | 0.0109 | P    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 22.22    | 0.0000 | P    | 29.3 |

$$y = 1.0942\text{E-}005 * x + 1.1265\text{E-}006$$

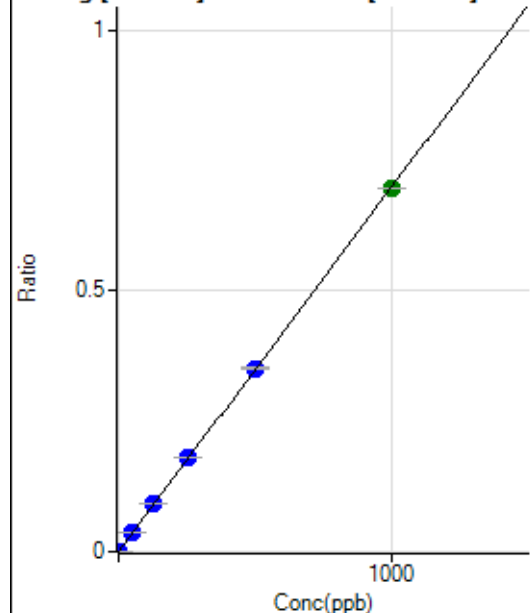
$$R = 0.9999$$

$$DL = 0.1762$$

$$BEC = 0.103$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00      | 0.0000 | P    | 17.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.983      | 6390.62    | 0.0007 | P    | 1.5  |
| 4 | <input type="checkbox"/> | 50.000   | 52.722     | 341927.03  | 0.0369 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 125.000  | 130.371    | 838534.47  | 0.0911 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 258.484    | 1653972.40 | 0.1807 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 502.871    | 3158936.22 | 0.3516 | P    | 1.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.636    | 6309891.98 | 0.6960 | A    | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 838.95     | 0.0001 | P    | 4.0  |

$$y = 6.9908\text{E-}004 * x + 5.0791\text{E-}006$$

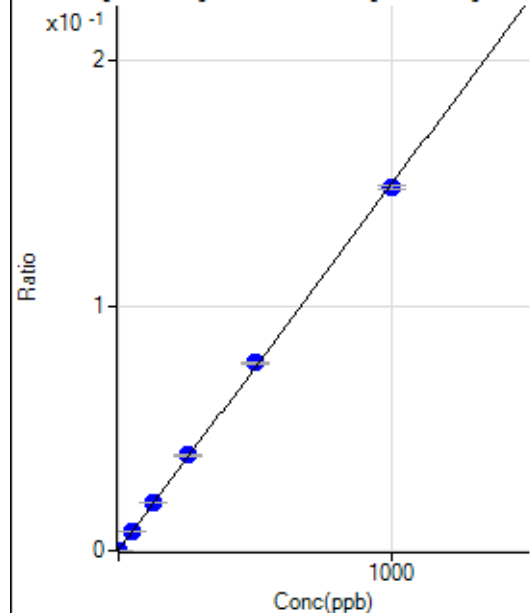
$$R = 0.9999$$

$$DL = 0.00372$$

$$BEC = 0.007265$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1228.73    | 0.0001 | P    | 6.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.001      | 2534.00    | 0.0003 | P    | 1.1 |
| 4 | <input type="checkbox"/> | 50.000   | 52.647     | 74118.09   | 0.0080 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 131.280    | 181585.82  | 0.0197 | P    | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 260.949    | 357942.22  | 0.0391 | P    | 1.4 |
| 7 | <input type="checkbox"/> | 500.000  | 512.617    | 689264.85  | 0.0767 | P    | 0.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 990.037    | 1341947.01 | 0.1480 | P    | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 1432.92    | 0.0002 | P    | 7.9 |

$$y = 1.4939\text{E-}004 * x + 1.2478\text{E-}004$$

$$R = 0.9998$$

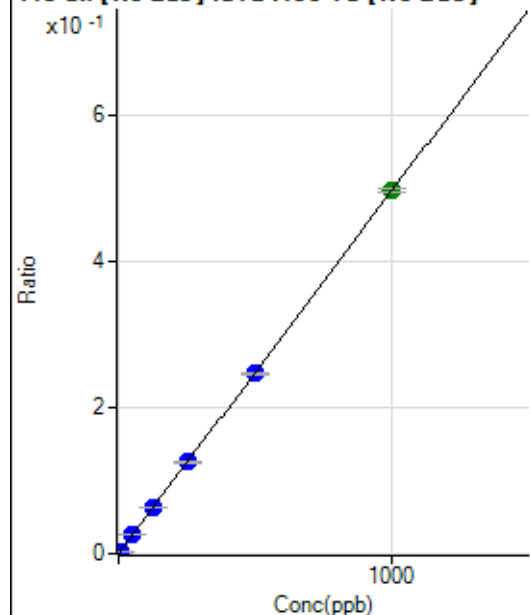
$$DL = 0.155$$

$$BEC = 0.8352$$

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      | 650.04     | 0.0001 | P   | 15.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.470      | 21072.06   | 0.0023 | P   | 0.8  |
| 4 | <input type="checkbox"/> | 50.000   | 50.558     | 233088.73  | 0.0251 | P   | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 125.685    | 573757.86  | 0.0624 | P   | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 252.596    | 1146554.95 | 0.1253 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 496.599    | 2212305.24 | 0.2462 | P   | 1.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.940   | 4498294.37 | 0.4962 | A   | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 5631.91    | 0.0006 | P   | 5.0  |

$$y = 4.9567E-004 * x + 6.6005E-005$$

$$R = 1.0000$$

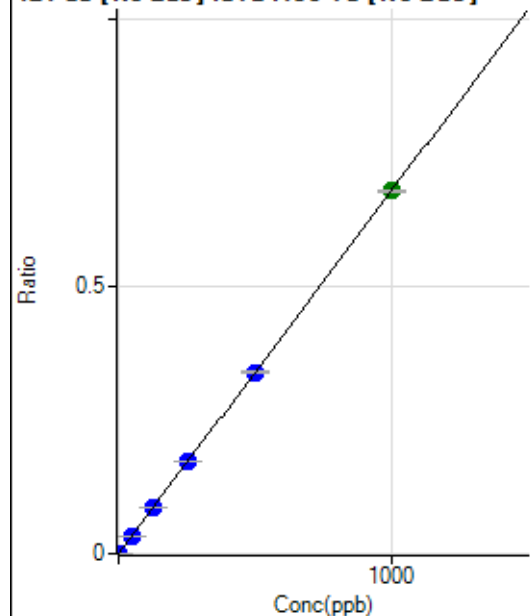
$$DL = 0.06057$$

$$BEC = 0.1332$$

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      | 122.23     | 0.0000 | P   | 31.2 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.779      | 11263.29   | 0.0012 | P   | 2.7  |
| 4 | <input type="checkbox"/> | 50.000   | 50.031     | 315083.83  | 0.0340 | P   | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 126.373    | 789170.03  | 0.0858 | P   | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 253.389    | 1574075.04 | 0.1720 | P   | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 498.588    | 3040643.49 | 0.3384 | P   | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.686    | 6150535.99 | 0.6785 | A   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 16093.16   | 0.0018 | P   | 7.0  |

$$y = 6.7867E-004 * x + 1.2403E-005$$

$$R = 1.0000$$

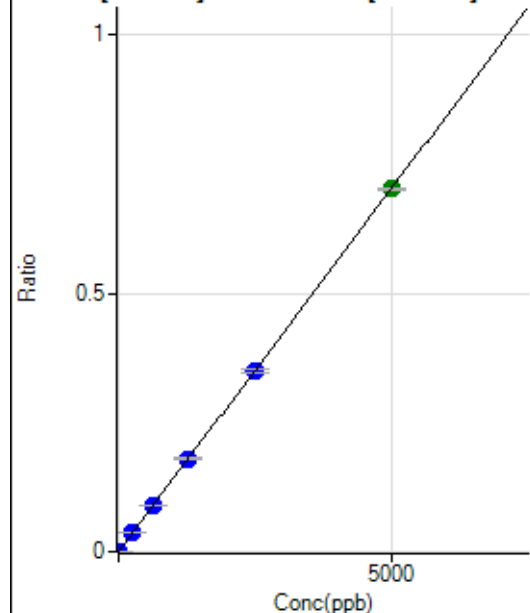
$$DL = 0.01711$$

$$BEC = 0.01828$$

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      | 25.00      | 0.0000 | P    | 33.3 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.211      | 11969.53   | 0.0013 | P    | 3.9  |
| 4 | <input type="checkbox"/> | 250.000  | 253.455    | 330217.40  | 0.0356 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 625.000  | 636.319    | 822199.52  | 0.0894 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 1250.000 | 1278.101   | 1642876.92 | 0.1795 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2492.252   | 3145084.73 | 0.3500 | P    | 1.6  |
| 8 | <input type="checkbox"/> | 5000.000 | 4995.263   | 6359915.72 | 0.7015 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 1727.95    | 0.0002 | P    | 7.7  |

$$y = 1.4044\text{E-}004 * x + 2.5384\text{E-}006$$

$$R = 1.0000$$

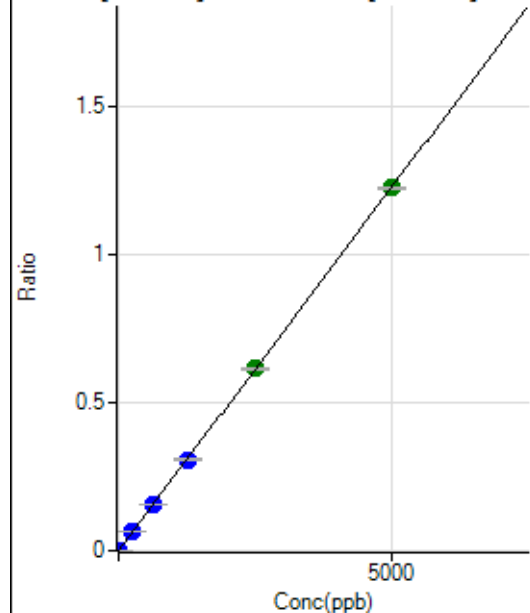
$$DL = 0.01803$$

$$BEC = 0.01807$$

Weight: &lt;None&gt;

Min Conc: 0

137 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      | 75.00       | 0.0000 | P    | 10.8 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.183      | 20874.81    | 0.0023 | P    | 1.1  |
| 4 | <input type="checkbox"/> | 250.000  | 253.475    | 576888.62   | 0.0622 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 625.000  | 630.416    | 1422902.79  | 0.1547 | P    | 0.1  |
| 6 | <input type="checkbox"/> | 1250.000 | 1249.516   | 2805557.66  | 0.3065 | P    | 1.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2508.179   | 5529093.44  | 0.6153 | A    | 0.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 4995.182   | 11108912.05 | 1.2254 | A    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 2872.64     | 0.0003 | P    | 2.9  |

$$y = 2.4532\text{E-}004 * x + 7.6131\text{E-}006$$

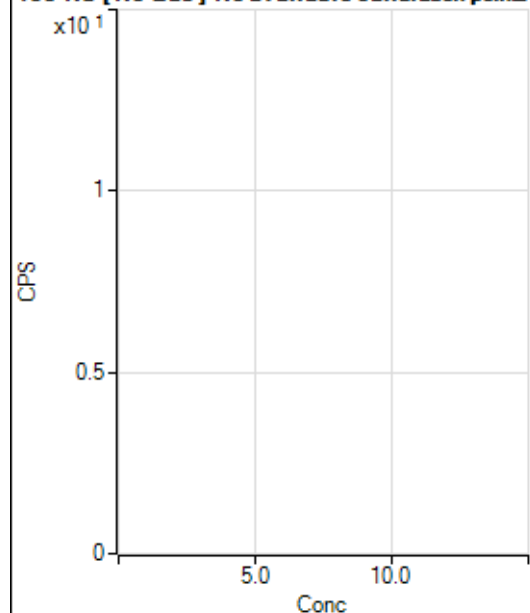
$$R = 1.0000$$

$$DL = 0.01001$$

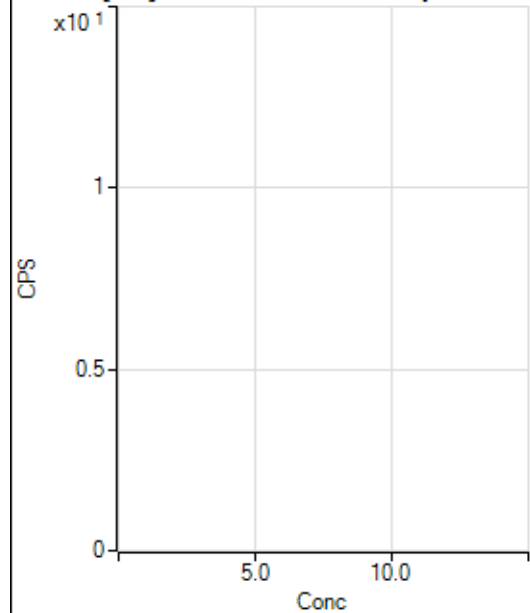
$$BEC = 0.03103$$

Weight: &lt;None&gt;

Min Conc: 0

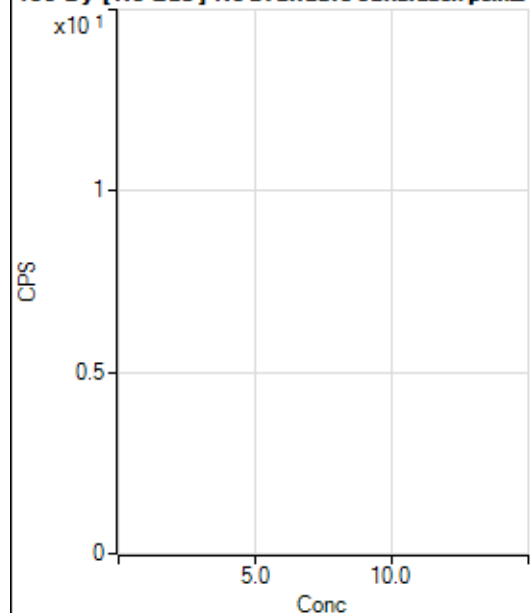
**150 Nd [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 17.78  |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 44.1 |
| 6 | <input type="checkbox"/> |       |            | 75.56  |       | P        | 27.0 |
| 7 | <input type="checkbox"/> |       |            | 102.23 |       | P        | 15.1 |
| 8 | <input type="checkbox"/> |       |            | 213.34 |       | P        | 16.5 |
| 9 | <input type="checkbox"/> |       |            | 60.00  |       | P        | 33.3 |

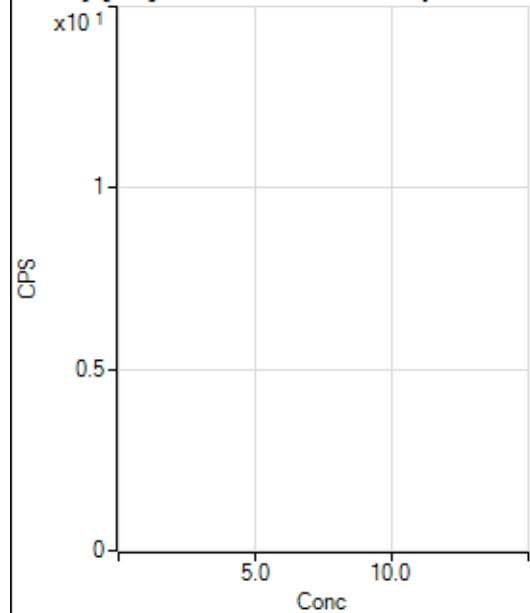
**150 Nd [ He ] No available calibration points**

|   | 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"/> |       |            | 0.00  |       | P        |      |
| 5 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 6 | <input type="checkbox"/> |       |            | 4.45  |       | P        | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 36.7 |
| 8 | <input type="checkbox"/> |       |            | 17.78 |       | P        | 28.6 |
| 9 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 31.2 |

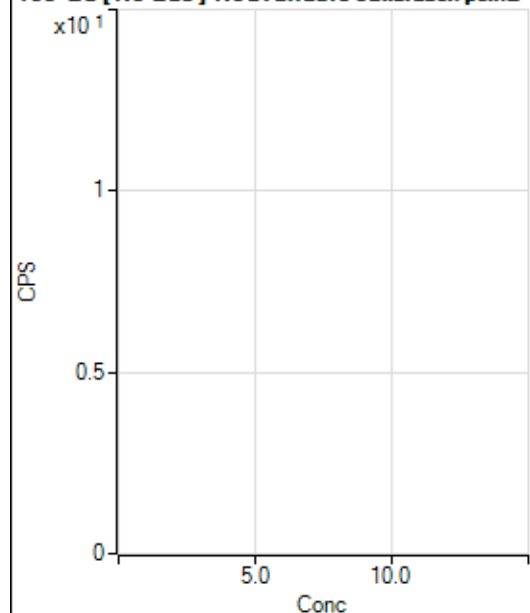


**156 Dy [ No Gas ] No available calibration points**

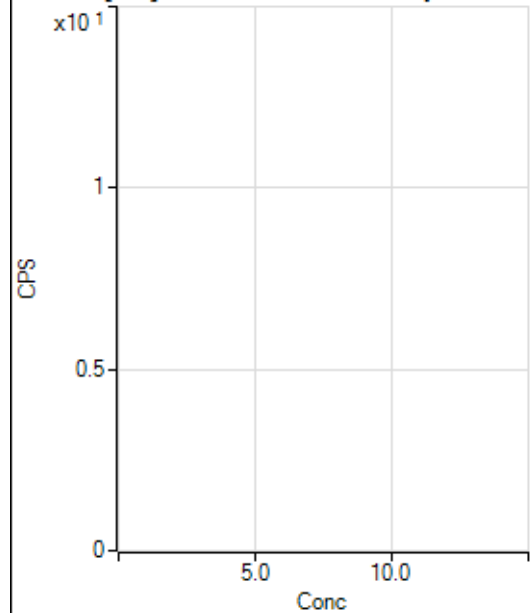
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 8.33   |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 21.6 |
| 6 | <input type="checkbox"/> |       |            | 41.67  |       | P        | 20.0 |
| 7 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 16.7 |
| 8 | <input type="checkbox"/> |       |            | 119.45 |       | P        | 4.0  |
| 9 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 44.1 |

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

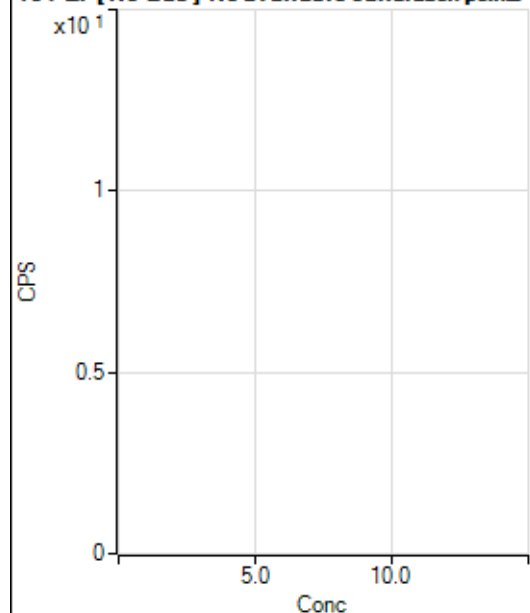
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 50.0 |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 62.5 |
| 6 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 105. |
| 7 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 52.9 |
| 8 | <input type="checkbox"/> |       |            | 53.33 |       | P        | 10.8 |
| 9 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 22.2 |

**160 Gd [ No Gas ] Noavailable calibration poin...**

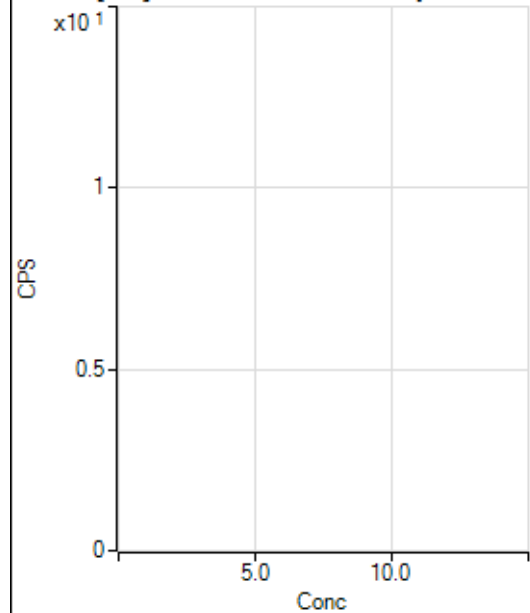
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 10.8 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 41.67 |       | P        | 20.0 |
| 4 | <input type="checkbox"/> |       |            | 52.78 |       | P        | 39.7 |
| 5 | <input type="checkbox"/> |       |            | 52.78 |       | P        | 24.1 |
| 6 | <input type="checkbox"/> |       |            | 58.33 |       | P        | 51.5 |
| 7 | <input type="checkbox"/> |       |            | 72.23 |       | P        | 43.7 |
| 8 | <input type="checkbox"/> |       |            | 69.45 |       | P        | 38.6 |
| 9 | <input type="checkbox"/> |       |            | 80.56 |       | P        | 52.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 57.78 |       | P        | 18.5 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 51.11 |       | P        | 39.9 |
| 4 | <input type="checkbox"/> |       |            | 45.55 |       | P        | 46.5 |
| 5 | <input type="checkbox"/> |       |            | 55.56 |       | P        | 22.7 |
| 6 | <input type="checkbox"/> |       |            | 62.22 |       | P        | 27.0 |
| 7 | <input type="checkbox"/> |       |            | 64.44 |       | P        | 13.0 |
| 8 | <input type="checkbox"/> |       |            | 74.45 |       | P        | 21.2 |
| 9 | <input type="checkbox"/> |       |            | 55.55 |       | P        | 30.2 |

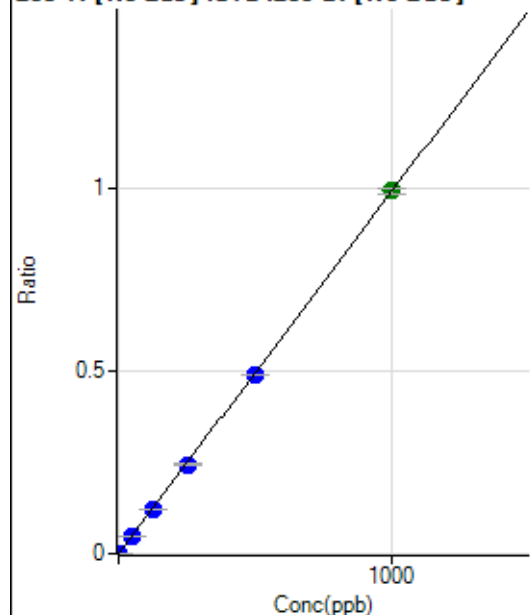
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 21.6 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 68.9 |
| 4 | <input type="checkbox"/> |       |            | 16.66 |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 89.2 |
| 6 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 43.3 |
| 7 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 76.4 |
| 8 | <input type="checkbox"/> |       |            | 30.56 |       | P        | 31.5 |
| 9 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 25.0 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 13.4 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 49.5 |
| 4 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 34.6 |
| 5 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 25.0 |
| 6 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 57.7 |
| 7 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 9.1  |
| 8 | <input type="checkbox"/> |       |            | 17.78 |       | P        | 65.8 |
| 9 | <input type="checkbox"/> |       |            | 17.78 |       | P        | 21.7 |

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 116.67     | 0.0000 | P    | 6.9  |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.916      | 4667.69    | 0.0009 | P    | 4.6  |
| 4 | <input type="checkbox"/> | 50.000   | 49.973     | 249538.81  | 0.0496 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 124.320    | 624090.74  | 0.1233 | P    | 0.1  |
| 6 | <input type="checkbox"/> | 250.000  | 246.977    | 1232241.19 | 0.2449 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 495.556    | 2395512.12 | 0.4914 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.064   | 4797523.15 | 0.9946 | A    | 1.7  |
| 9 | <input type="checkbox"/> |          |            | 1711.30    | 0.0004 | P    | 12.2 |

$$y = 9.9159\text{E-}004 * x + 2.1111\text{E-}005$$

$$R = 1.0000$$

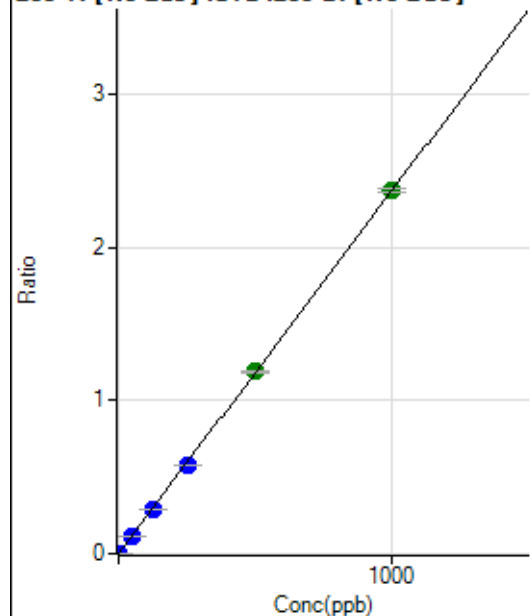
$$DL = 0.004383$$

$$BEC = 0.02129$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 244.46      | 0.0000 | P    | 14.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.914      | 11080.11    | 0.0022 | P    | 1.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.034     | 595916.37   | 0.1184 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 122.319    | 1464596.67  | 0.2893 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 242.751    | 2888889.23  | 0.5742 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 501.934    | 5787334.81  | 1.1872 | A    | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.179   | 11421893.14 | 2.3680 | A    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 4039.68     | 0.0009 | P    | 7.5  |

$$y = 0.0024 * x + 4.4237\text{E-}005$$

$$R = 1.0000$$

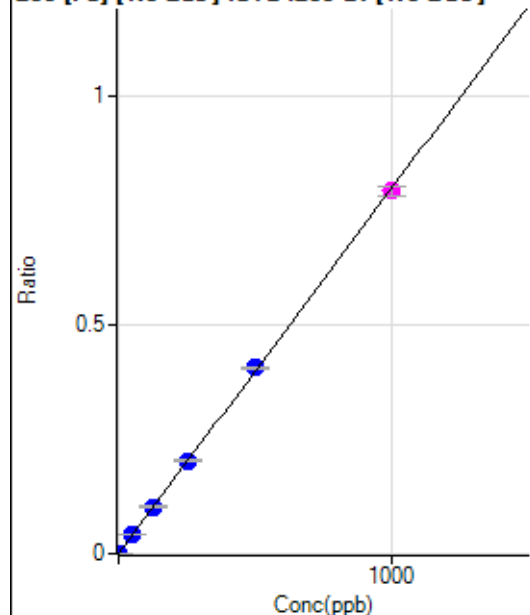
$$DL = 0.007953$$

$$BEC = 0.0187$$

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. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 679.67     | 0.0001 | P    | 11.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.917      | 4298.95    | 0.0009 | P    | 5.0  |
| 4 | <input type="checkbox"/> | 50.000   | 51.679     | 208308.55  | 0.0414 | P    | 0.2  |
| 5 | <input type="checkbox"/> | 125.000  | 128.294    | 519057.68  | 0.1025 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 255.021    | 1024982.02 | 0.2037 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 509.266    | 1982578.94 | 0.4067 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.616    | 3827127.72 | 0.7934 | M    | 2.5  |
| 9 | <input type="checkbox"/> |          |            | 5777.34    | 0.0014 | P    | 1.0  |

$$y = 7.9837\text{E-}004 * x + 1.2300\text{E-}004$$

$$R = 0.9999$$

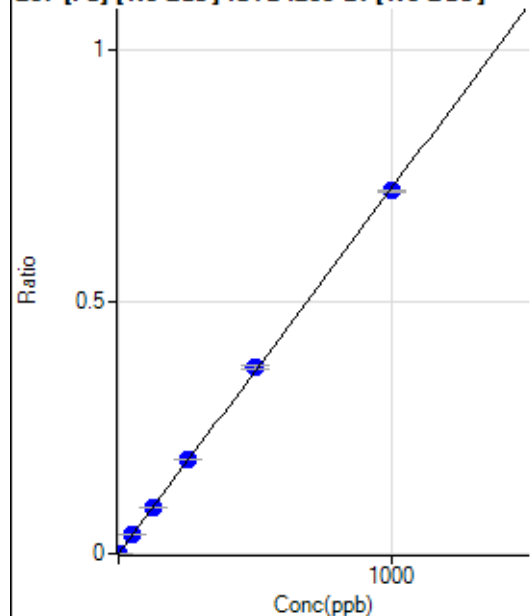
$$DL = 0.0544$$

$$BEC = 0.1541$$

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      | 637.07     | 0.0001 | P    | 7.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.945      | 4021.09    | 0.0008 | P    | 0.3 |
| 4 | <input type="checkbox"/> | 50.000   | 51.640     | 189097.20  | 0.0376 | P    | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 126.915    | 466491.86  | 0.0922 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 255.976    | 934600.45  | 0.1858 | P    | 0.3 |
| 7 | <input type="checkbox"/> | 500.000  | 510.190    | 1804202.20 | 0.3701 | P    | 1.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 993.090    | 3474501.75 | 0.7203 | P    | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 4715.76    | 0.0011 | P    | 3.7 |

$$y = 7.2523\text{E-}004 * x + 1.1528\text{E-}004$$

$$R = 0.9999$$

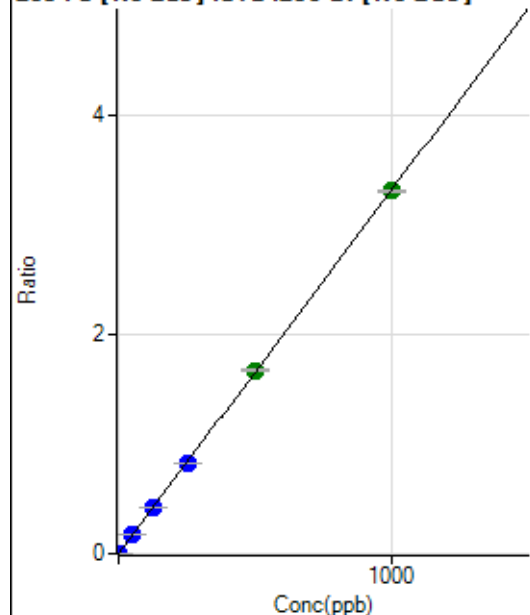
$$DL = 0.03713$$

$$BEC = 0.159$$

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<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2866.88     | 0.0005 | P        | 5.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.915      | 17847.79    | 0.0036 | P        | 3.2 |
| 4 | <input type="checkbox"/> | 50.000   | 50.792     | 849602.00   | 0.1688 | P        | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 124.651    | 2092847.64  | 0.4135 | P        | 0.1 |
| 6 | <input type="checkbox"/> | 250.000  | 249.288    | 4157630.05  | 0.8264 | P        | 0.2 |
| 7 | <input type="checkbox"/> | 500.000  | 504.394    | 8147970.55  | 1.6715 | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1000.000 | 997.985    | 15949743.21 | 3.3066 | A        | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 22320.93    | 0.0052 | P        | 1.7 |

$$y = 0.0033 * x + 5.1884E-004$$

$$R = 1.0000$$

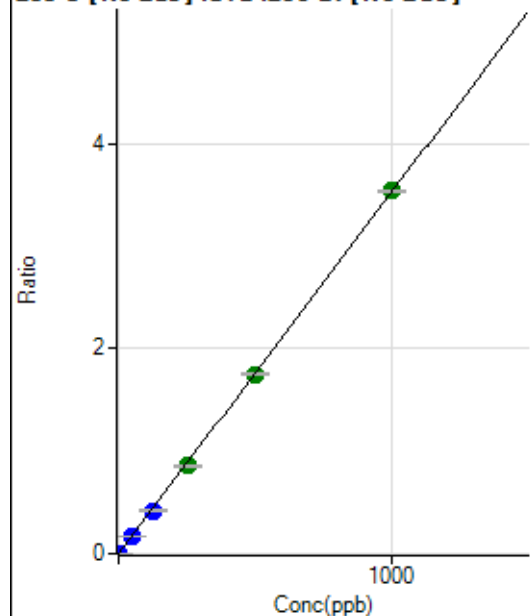
$$DL = 0.02478$$

$$BEC = 0.1566$$

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      | 69.45       | 0.0000 | P        | 36.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.877      | 15621.13    | 0.0031 | P        | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 48.512     | 861683.36   | 0.1712 | P        | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 119.627    | 2136541.26  | 0.4221 | P        | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 243.245    | 4318184.77  | 0.8583 | A        | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 497.052    | 8549898.37  | 1.7538 | A        | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.909   | 17085898.82 | 3.5422 | A        | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1111.21     | 0.0003 | P        | 14.6 |

$$y = 0.0035 * x + 1.2576E-005$$

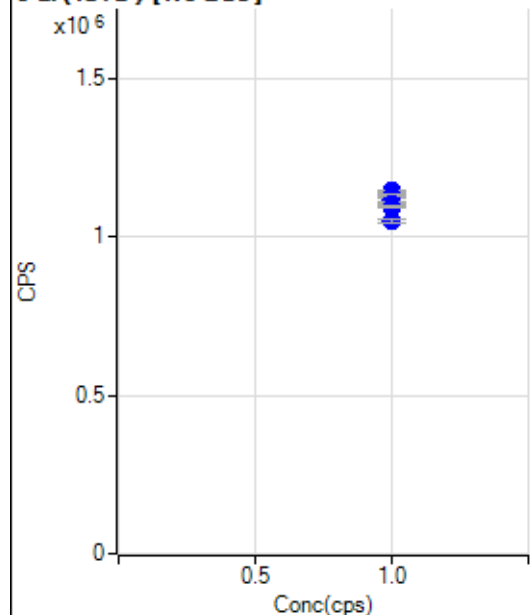
$$R = 1.0000$$

$$DL = 0.003944$$

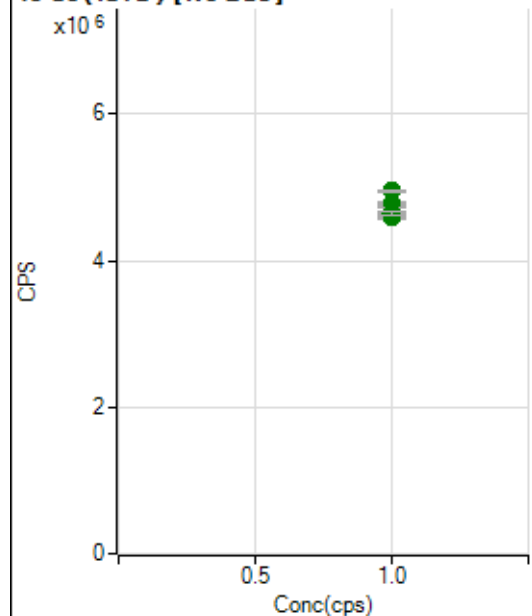
$$BEC = 0.003564$$

Weight: &lt;None&gt;

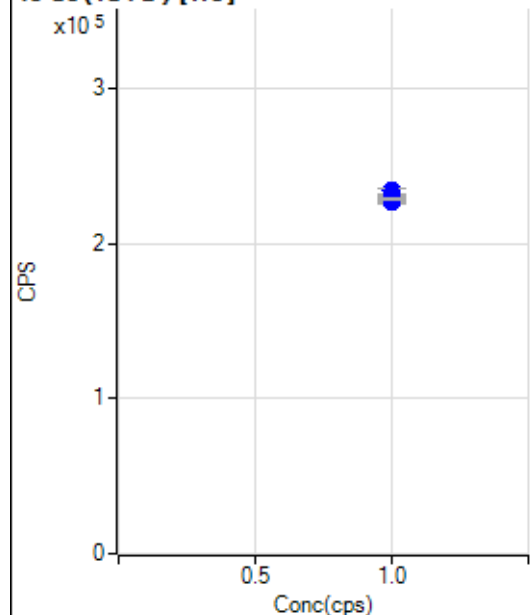
Min Conc: 0

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

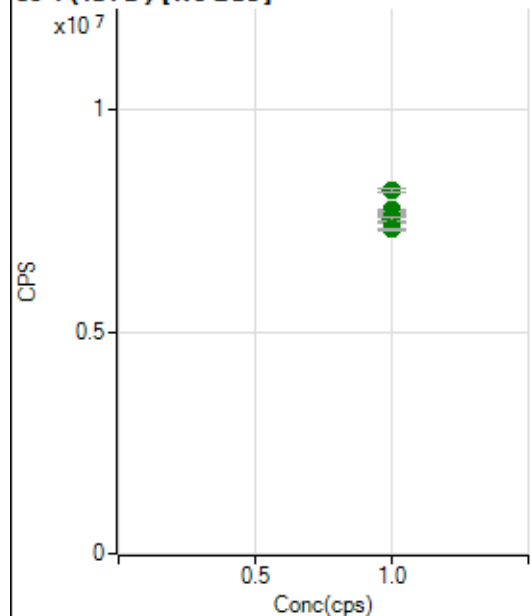
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1131203.47 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1120083.84 |       | P        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1128116.70 |       | P        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1145531.22 |       | P        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1131460.55 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1106606.81 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1095779.71 |       | P        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1048142.81 |       | P        | 1.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4951827.41 |       | A        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 4769509.92 |       | A        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4759052.10 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4730816.56 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4657384.26 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4599358.52 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4612280.88 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4645113.86 |       | A        | 0.6 |

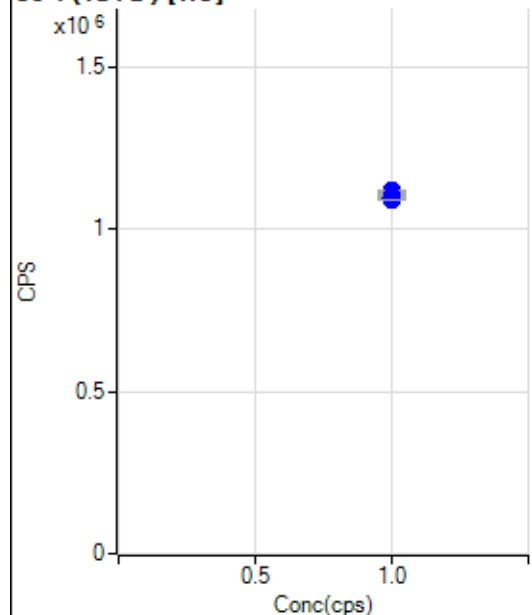
**45 Sc (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 233762.49 |       | P        | 1.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 231802.48 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 231274.96 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 228781.55 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 227059.09 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 226907.91 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 227673.25 |       | P        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 228592.80 |       | P        | 1.0 |

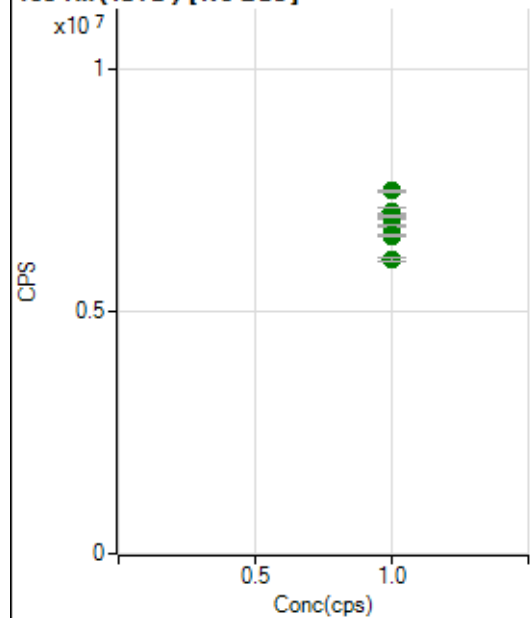
**89 Y (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8183700.29 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7712155.09 |       | A        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7743137.18 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7704963.29 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7610796.34 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7487398.36 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7563128.85 |       | A        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7314944.61 |       | A        | 0.8 |

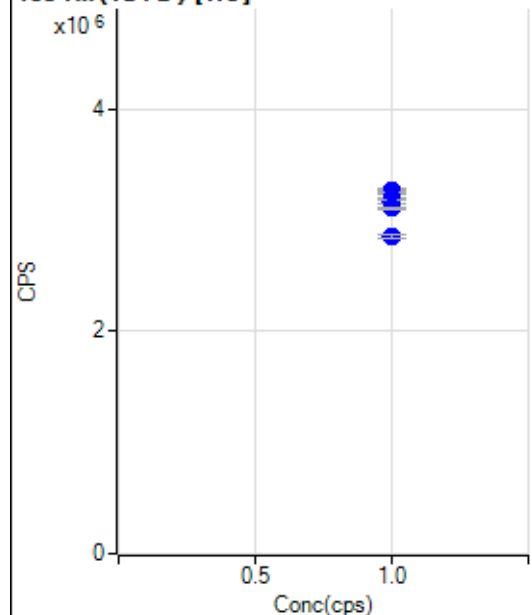


**89 Y(ISTD) [He]**

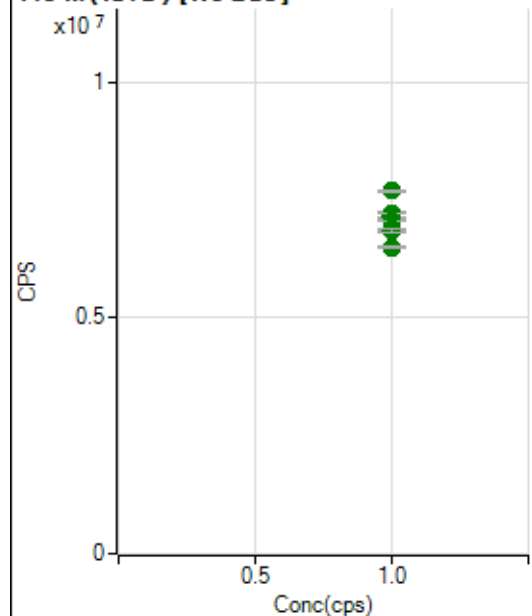
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1109663.00 |       | P        | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1109081.59 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1115681.99 |       | P        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1119324.06 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1100956.20 |       | P        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1103839.32 |       | P        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1097935.60 |       | P        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1091001.83 |       | P        | 0.4 |

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

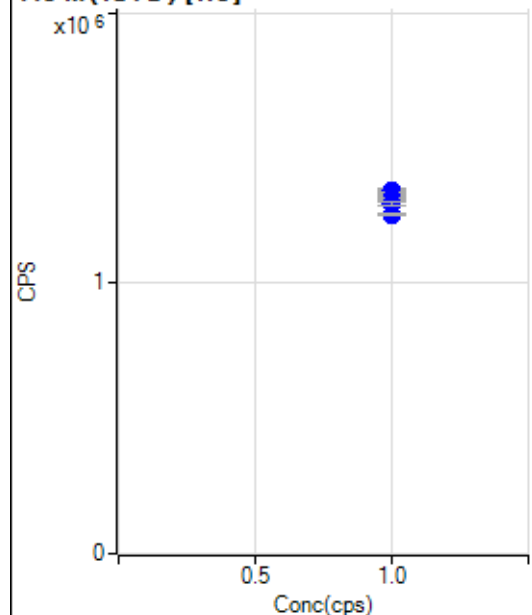
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7486984.80 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7072844.61 |       | A        | 1.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6944909.18 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6953059.10 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6759046.07 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6589809.57 |       | A        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6560157.18 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6071239.76 |       | A        | 1.0 |

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

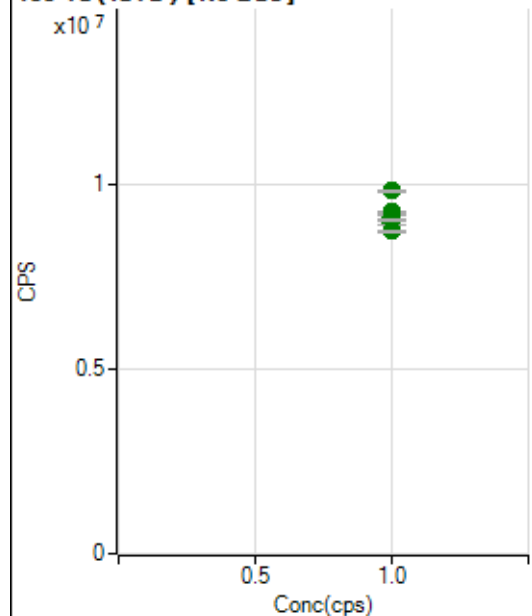
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3256290.75 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 3242236.03 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3265608.98 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3250183.22 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3193624.43 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3170472.00 |       | P        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3111711.51 |       | P        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2856142.32 |       | P        | 0.6 |

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

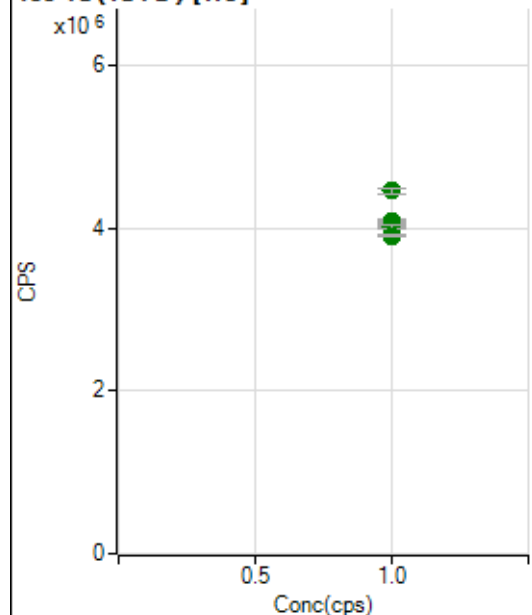
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7697277.50 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7204168.99 |       | A        | 2.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7169826.61 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7159684.35 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7056609.18 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6878274.09 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6859479.77 |       | A        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6502458.83 |       | A        | 0.8 |

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

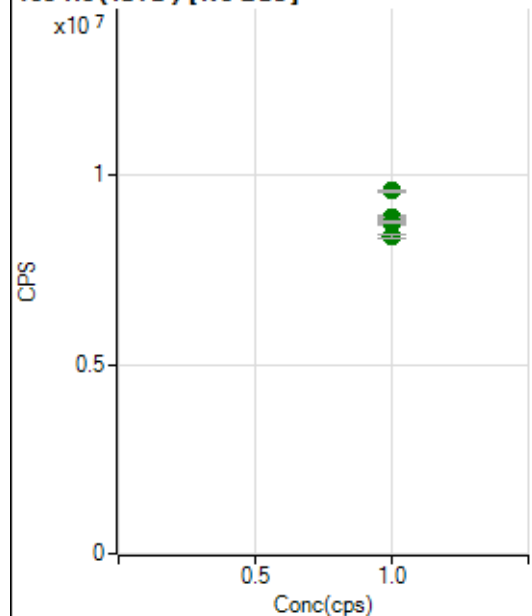
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1336770.24 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1332756.49 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1342356.51 |       | P        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1334869.31 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1318051.63 |       | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1315066.74 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1294155.93 |       | P        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1255576.46 |       | P        | 0.3 |

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

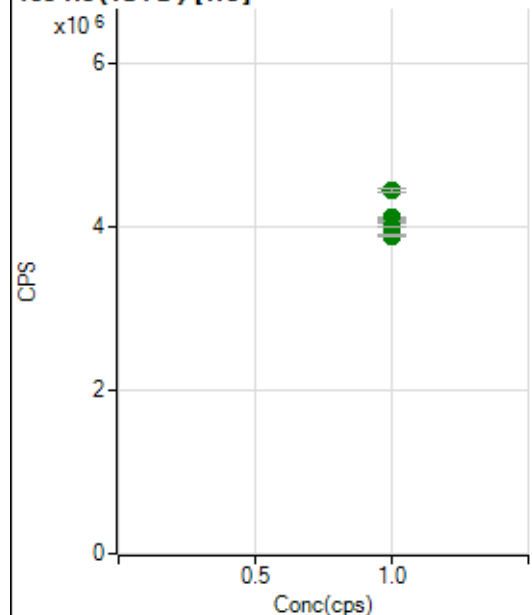
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9849257.08 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 9235623.27 |       | A        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9276644.10 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9200173.54 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9153446.04 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8986183.34 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9065538.06 |       | A        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8750743.89 |       | A        | 0.6 |

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

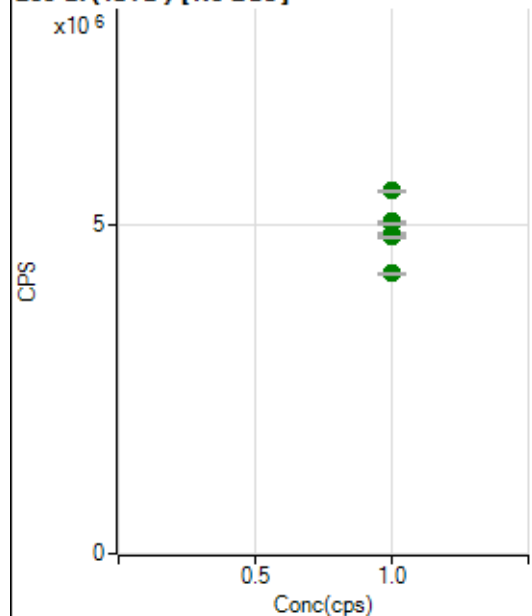
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4458556.43 |       | A        | 1.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 4082294.63 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4058396.57 |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4083852.82 |       | A        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4062410.63 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4043216.99 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4010938.45 |       | A        | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3903379.91 |       | A        | 0.4 |

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

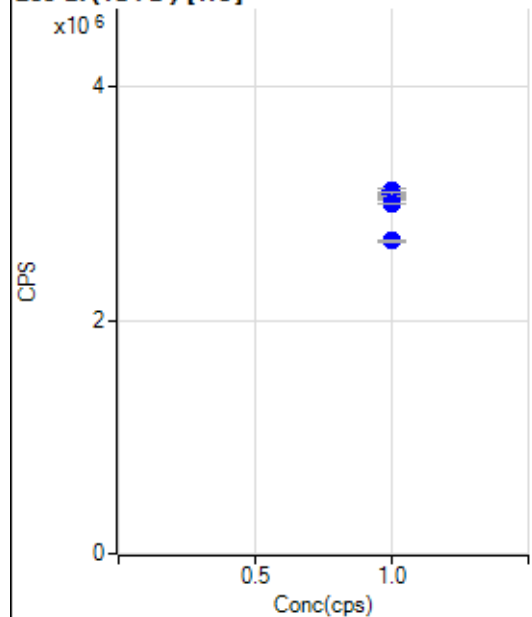
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9579715.67 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 8833614.35 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8856699.51 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8888748.72 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8843894.38 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8711433.53 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8748494.73 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8358666.42 |       | A        | 1.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4441608.65 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 4110929.77 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4072837.89 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4088963.86 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4081357.54 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4063268.27 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4001923.41 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3891115.39 |       | A        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5525982.97 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5024380.17 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5033800.06 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5061761.63 |       | A        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5031295.20 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4874833.47 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4823518.85 |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4266058.37 |       | A        | 0.5 |

**209 Bi (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3063043.43 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 3065865.16 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3077916.86 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3111183.81 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3066653.67 |       | P        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3077067.83 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3001596.48 |       | P        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2680925.59 |       | P        | 0.9 |

US EPA Tune Check Sample Report

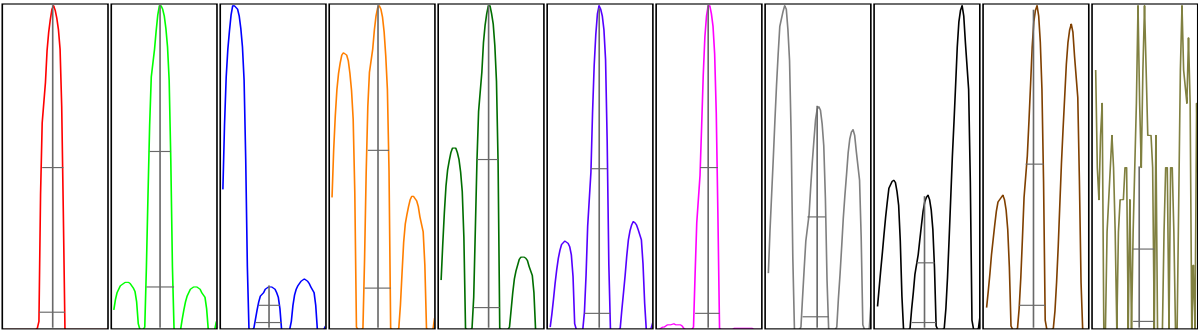
Batch Folder D:\ICP-MS Data\P7102117-MS.b  
Report Comment  
Instrument Name G8403A JP14410463

[No Gas]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
|------|-----------------|------------------|--------------------|----------------|
| 9    | 4390            | 1.18             | 5.00               |                |
| 24   | 257190          | 1.15             | 5.00               |                |
| 25   | 34290           | 1.26             | 5.00               |                |
| 26   | 39899           | 1.05             | 5.00               |                |
| 59   | 42696           | 1.61             | 5.00               |                |
| 113  | 16026           | 2.28             | 5.00               |                |
| 115  | 349562          | 0.78             | 5.00               |                |
| 206  | 13714           | 1.55             | 5.00               |                |
| 207  | 12228           | 1.59             | 5.00               |                |
| 208  | 28922           | 2.44             | 5.00               |                |
| 220  | 0               | 46.48            |                    |                |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 4319                 | 4405                 | 4383                 | 4463                 | 4378                 |
| 24   | 256430               | 258058               | 258455               | 260464               | 252542               |
| 25   | 34222                | 33966                | 34856                | 34588                | 33818                |
| 26   | 39873                | 39355                | 40532                | 39838                | 39898                |
| 59   | 42709                | 41756                | 43391                | 42311                | 43312                |
| 113  | 16031                | 15701                | 16203                | 15658                | 16536                |
| 115  | 351915               | 346016               | 349882               | 347650               | 352345               |
| 206  | 13366                | 13714                | 13717                | 13885                | 13888                |
| 207  | 11989                | 12316                | 12053                | 12432                | 12348                |
| 208  | 28071                | 29238                | 28450                | 29896                | 28956                |
| 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    | 7598           | 8.95             | 8.9 - 9.1          |                | 0.739                | 0.900                  |                        |
| 24   | 429924         | 23.90            | 23.9 - 24.1        |                | 0.784                | 0.900                  |                        |
| 25   | 56916          | 24.90            | 24.9 - 25.1        |                | 0.751                | 0.900                  |                        |
| 26   | 66626          | 25.90            | 25.9 - 26.1        |                | 0.759                | 0.900                  |                        |
| 59   | 74719          | 58.95            | 58.9 - 59.1        |                | 0.761                | 0.900                  |                        |
| 113  | 32002          | 113.00           | 112.9 - 113.1      |                | 0.742                | 0.900                  |                        |
| 115  | 684657         | 115.00           | 114.9 - 115.1      |                | 0.730                | 0.900                  |                        |
| 206  | 27147          | 206.00           | 205.9 - 206.1      |                | 0.771                | 0.900                  |                        |
| 207  | 23988          | 206.95           | 206.9 - 207.1      |                | 0.731                | 0.900                  |                        |
| 208  | 57955          | 207.95           | 207.9 - 208.1      |                | 0.739                | 0.900                  |                        |
| 220  | 0              | 219.85           | -                  |                | 0.643                |                        |                        |

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    | 9.5   | V    | Deflect       | 14.2  | V    |
| Extract 2     | -215.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -95    | 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       | 190   | V    |                       |       |       |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 11872           | 0.34             |                    |
| 89   | 5337            | 0.89             |                    |
| 205  | 11965           | 0.47             |                    |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 11940                | 11860                | 11840                | 11846                | 11873                |
| 89   | 5392                 | 5381                 | 5314                 | 5281                 | 5316                 |
| 205  | 12018                | 11897                | 12020                | 11972                | 11919                |

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    | 9.5   | V    | Deflect       | 2.4   | V    |
| Extract 2     | -215.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -100   | 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 : LB91015 Operator : Jaswal  
 Lab Sample ID : S0 Instrumnet Name : P7  
 Client Sample ID : S0 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 14:37:49 DataFile Name : 003CALB.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.39    | -0.21   | -0.18   | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Arsenic    | 75-2  | 0.00    | 0.01    | -0.01   | 0.00       | N/A     | ppb   |
| Barium     | 135-1 | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Beryllium  | 9-1   | 0.02    | -0.02   | 0.00    | 0.00       | N/A     | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Boron      | 11-1  | 0.00    | 0.02    | -0.03   | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | -0.04   | 0.06    | -0.01   | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | -0.52   | 0.62    | -0.10   | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | 0.01    | -0.06   | 0.05    | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | -0.27   | 1.37    | -1.10   | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | 0.81    | 1.91    | -2.71   | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | 0.01    | -0.04   | 0.03    | 0.00       | N/A     | ppb   |
| Cobalt     | 59-2  | 0.01    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Copper     | 63-2  | -0.01   | -0.02   | 0.03    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.11    | -0.14   | 0.03    | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | -0.17   | -0.34   | 0.51    | 0.00       | N/A     | ppb   |
| Lead       | 206-1 | -0.02   | 0.01    | 0.01    | 0.00       | N/A     | ppb   |
| Lead       | 207-1 | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 208-1 | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | -0.02   | -0.31   | 0.33    | 0.00       | N/A     | ppb   |
| Manganese  | 55-2  | -0.02   | 0.01    | 0.02    | 0.00       | N/A     | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:37:49 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | 0.00    | 0.01    | 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    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 98-1  | 0.00    | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.00    | 0.02    | -0.02   | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | -1.21   | 0.14    | -1.53   | -0.87      |         | ppb   |
| Potassium  | 39-2  | -3.29   | -1.37   | 4.67    | 0.00       | N/A     | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.48   | -0.45   | 0.93    | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | 0.33    | 0.05    | -0.39   | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | 0.37    | -0.91   | 0.54    | 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  | 0.96    | -2.67   | 1.71    | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | -38.97  | -224.55 | -209.70 | -157.74    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| 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   |
| Tin        | 118-1 | -0.02   | 0.01    | 0.02    | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | -0.02   | 0.03    | -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    | -0.01   | 0.00       | N/A     | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.00    | -0.04   | 0.05    | 0.00       | N/A     | ppb   |
| Zirconium  | 90-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:37:49 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.02    | -0.01   | -0.01   | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:45:29 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 17.19   | 16.09   | 17.13   | 16.80      | 3.68    | ppb   |
| Antimony   | 121-1 | 1.83    | 1.74    | 1.76    | 1.78       | 2.70    | ppb   |
| Arsenic    | 75-2  | 1.05    | 0.86    | 1.00    | 0.97       | 9.98    | ppb   |
| Barium     | 135-1 | 9.63    | 9.02    | 8.98    | 9.21       | 3.92    | ppb   |
| Barium     | 137-1 | 9.25    | 9.24    | 9.07    | 9.18       | 1.09    | ppb   |
| Beryllium  | 9-1   | 0.95    | 0.90    | 0.94    | 0.93       | 3.03    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 21.02   | 23.05   | 23.12   | 22.40      | 5.32    | ppb   |
| Boron      | 11-1  | 21.74   | 22.88   | 22.83   | 22.48      | 2.86    | ppb   |
| Cadmium    | 111-1 | 0.99    | 1.02    | 0.99    | 1.00       | 2.03    | ppb   |
| Cadmium    | 106-1 | 2.95    | 2.50    | 2.56    | 2.67       | 9.01    | ppb   |
| Cadmium    | 108-1 | 1.01    | 1.15    | 1.03    | 1.07       | 6.87    | ppb   |
| Calcium    | 43-1  | 476.54  | 447.27  | 451.18  | 458.33     | 3.47    | ppb   |
| Calcium    | 44-1  | 465.86  | 466.07  | 450.60  | 460.84     | 1.93    | ppb   |
| Chromium   | 52-2  | 1.89    | 1.84    | 1.79    | 1.84       | 2.73    | ppb   |
| Cobalt     | 59-2  | 0.94    | 0.95    | 1.00    | 0.96       | 3.48    | ppb   |
| Copper     | 63-2  | 1.97    | 1.94    | 2.02    | 1.98       | 2.09    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 50.84   | 50.04   | 51.35   | 50.74      | 1.30    | ppb   |
| Iron       | 57-2  | 49.01   | 52.17   | 51.08   | 50.75      | 3.17    | ppb   |
| Lead       | 206-1 | 0.92    | 0.86    | 0.97    | 0.92       | 5.80    | ppb   |
| Lead       | 207-1 | 0.95    | 0.94    | 0.94    | 0.94       | 0.36    | ppb   |
| Lead       | 208-1 | 0.93    | 0.88    | 0.94    | 0.92       | 3.74    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 466.06  | 463.23  | 453.86  | 461.05     | 1.39    | ppb   |
| Manganese  | 55-2  | 0.88    | 0.87    | 0.84    | 0.86       | 2.50    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:45:29 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 1.97    | 1.97    | 1.94    | 1.96       | 1.06    | ppb   |
| Molybdenum | 95-1  | 4.73    | 4.69    | 4.50    | 4.64       | 2.64    | ppb   |
| Molybdenum | 96-1  | 3.95    | 4.04    | 3.87    | 3.95       | 2.06    | ppb   |
| Molybdenum | 97-1  | 4.67    | 4.65    | 4.46    | 4.59       | 2.49    | ppb   |
| Molybdenum | 98-1  | 4.41    | 4.46    | 4.42    | 4.43       | 0.67    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.05    | 0.98    | 0.96    | 0.99       | 4.67    | ppb   |
| Phosphorus | 31-2  | 0.90    | -5.85   | 7.55    | 0.87       | 772.37  | ppb   |
| Potassium  | 39-2  | 452.70  | 449.50  | 452.74  | 451.65     | 0.41    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 2.25    | 3.00    | 10.41   | 5.22       | 86.39   | ppb   |
| Selenium   | 78-2  | 5.05    | 4.65    | 5.20    | 4.97       | 5.72    | ppb   |
| Selenium   | 82-1  | 5.03    | 5.61    | 4.64    | 5.09       | 9.60    | ppb   |
| Silicon    | 28-1  | 19.42   | 19.33   | 17.40   | 18.71      | 6.11    | ppb   |
| Silver     | 109-1 | 1.00    | 0.98    | 0.97    | 0.98       | 1.53    | ppb   |
| Silver     | 107-1 | 1.00    | 1.00    | 1.00    | 1.00       | 0.33    | ppb   |
| Sodium     | 23-2  | 475.60  | 473.93  | 471.19  | 473.57     | 0.47    | ppb   |
| Strontium  | 86-1  | 0.92    | 1.02    | 0.89    | 0.94       | 7.24    | ppb   |
| Strontium  | 88-1  | 0.92    | 0.95    | 0.93    | 0.93       | 1.59    | ppb   |
| Sulfur     | 34-1  | 153.53  | 318.39  | 1.31    | 157.74     | 100.53  | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.89    | 0.96    | 0.89    | 0.92       | 4.66    | ppb   |
| Thallium   | 205-1 | 0.92    | 0.89    | 0.93    | 0.91       | 1.93    | ppb   |
| Tin        | 118-1 | 4.46    | 4.51    | 4.44    | 4.47       | 0.87    | ppb   |
| Titanium   | 47-1  | 4.45    | 4.30    | 4.60    | 4.45       | 3.38    | ppb   |
| Uranium    | 238-1 | 0.92    | 0.86    | 0.85    | 0.88       | 3.94    | ppb   |
| Vanadium   | 51-2  | 4.63    | 4.72    | 4.56    | 4.64       | 1.74    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 2.26    | 2.06    | 2.19    | 2.17       | 4.75    | ppb   |
| Zirconium  | 90-1  | 0.91    | 0.87    | 0.83    | 0.87       | 4.71    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:45:29 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.85    | 0.96    | 0.90    | 0.90       | 6.06    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:49:14 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1004.45 | 1001.66 | 993.88  | 1000.00    | 0.55    | ppb   |
| Antimony   | 121-1 | 49.72   | 50.67   | 49.70   | 50.03      | 1.11    | ppb   |
| Arsenic    | 75-2  | 51.32   | 50.98   | 50.11   | 50.80      | 1.23    | ppb   |
| Barium     | 135-1 | 253.71  | 255.88  | 250.77  | 253.46     | 1.01    | ppb   |
| Barium     | 137-1 | 250.38  | 255.97  | 254.07  | 253.48     | 1.12    | ppb   |
| Beryllium  | 9-1   | 53.00   | 53.58   | 52.69   | 53.09      | 0.85    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 50.40   | 51.33   | 50.04   | 50.59      | 1.31    | ppb   |
| Boron      | 11-1  | 51.27   | 50.19   | 50.92   | 50.79      | 1.09    | ppb   |
| Cadmium    | 111-1 | 52.24   | 52.93   | 52.76   | 52.65      | 0.68    | ppb   |
| Cadmium    | 106-1 | 51.37   | 53.81   | 51.29   | 52.16      | 2.75    | ppb   |
| Cadmium    | 108-1 | 50.12   | 53.42   | 48.83   | 50.79      | 4.66    | ppb   |
| Calcium    | 43-1  | 5247.94 | 5205.61 | 5203.12 | 5218.89    | 0.48    | ppb   |
| Calcium    | 44-1  | 5167.70 | 5244.43 | 5178.49 | 5196.87    | 0.80    | ppb   |
| Chromium   | 52-2  | 49.37   | 48.66   | 50.02   | 49.35      | 1.38    | ppb   |
| Cobalt     | 59-2  | 53.40   | 53.26   | 54.06   | 53.58      | 0.80    | ppb   |
| Copper     | 63-2  | 108.38  | 107.62  | 109.08  | 108.36     | 0.67    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 2659.60 | 2629.45 | 2657.20 | 2648.75    | 0.63    | ppb   |
| Iron       | 57-2  | 2646.48 | 2643.94 | 2655.02 | 2648.48    | 0.22    | ppb   |
| Lead       | 206-1 | 51.62   | 51.79   | 51.63   | 51.68      | 0.19    | ppb   |
| Lead       | 207-1 | 52.18   | 51.58   | 51.16   | 51.64      | 0.99    | ppb   |
| Lead       | 208-1 | 51.10   | 50.90   | 50.37   | 50.79      | 0.74    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 5167.09 | 5127.67 | 5170.79 | 5155.18    | 0.46    | ppb   |
| Manganese  | 55-2  | 103.76  | 103.43  | 104.51  | 103.90     | 0.53    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:49:14 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 49.99   | 50.21   | 50.68   | 50.30      | 0.70    | ppb   |
| Molybdenum | 95-1  | 50.46   | 51.32   | 51.93   | 51.24      | 1.45    | ppb   |
| Molybdenum | 96-1  | 50.27   | 50.48   | 50.18   | 50.31      | 0.30    | ppb   |
| Molybdenum | 97-1  | 49.43   | 50.04   | 51.31   | 50.26      | 1.91    | ppb   |
| Molybdenum | 98-1  | 48.95   | 50.23   | 50.74   | 49.97      | 1.85    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 51.77   | 52.27   | 52.78   | 52.27      | 0.96    | ppb   |
| Phosphorus | 31-2  | 936.19  | 1038.32 | 1078.70 | 1017.74    | 7.22    | ppb   |
| Potassium  | 39-2  | 2514.84 | 2535.98 | 2506.14 | 2518.99    | 0.61    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 53.98   | 55.63   | 42.90   | 50.84      | 13.61   | ppb   |
| Selenium   | 78-2  | 56.91   | 54.26   | 49.02   | 53.40      | 7.51    | ppb   |
| Selenium   | 82-1  | 50.40   | 50.98   | 52.41   | 51.26      | 2.01    | ppb   |
| Silicon    | 28-1  | 59.38   | 60.71   | 59.55   | 59.88      | 1.21    | ppb   |
| Silver     | 109-1 | 52.08   | 53.73   | 52.35   | 52.72      | 1.68    | ppb   |
| Silver     | 107-1 | 52.82   | 53.69   | 52.85   | 53.12      | 0.93    | ppb   |
| Sodium     | 23-2  | 5243.37 | 5245.11 | 5246.46 | 5244.98    | 0.03    | ppb   |
| Strontium  | 86-1  | 51.59   | 51.06   | 52.32   | 51.66      | 1.23    | ppb   |
| Strontium  | 88-1  | 50.31   | 51.61   | 51.41   | 51.11      | 1.37    | ppb   |
| Sulfur     | 34-1  | 1500.85 | 1319.02 | 1189.70 | 1336.52    | 11.70   | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 50.08   | 50.28   | 49.56   | 49.97      | 0.74    | ppb   |
| Thallium   | 205-1 | 50.21   | 49.54   | 50.35   | 50.03      | 0.87    | ppb   |
| Tin        | 118-1 | 50.57   | 50.60   | 50.50   | 50.56      | 0.10    | ppb   |
| Titanium   | 47-1  | 50.14   | 51.55   | 50.49   | 50.73      | 1.44    | ppb   |
| Uranium    | 238-1 | 48.70   | 48.86   | 47.97   | 48.51      | 0.99    | ppb   |
| Vanadium   | 51-2  | 50.99   | 51.08   | 51.45   | 51.17      | 0.48    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 107.35  | 106.04  | 105.52  | 106.30     | 0.89    | ppb   |
| Zirconium  | 90-1  | 49.87   | 50.38   | 50.20   | 50.15      | 0.51    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:49:14 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 49.79   | 51.61   | 50.68   | 50.69      | 1.79    | ppb   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:52:59 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2471.59  | 2507.82  | 2534.12  | 2504.51    | 1.25    | ppb   |
| Antimony   | 121-1 | 126.35   | 125.75   | 127.02   | 126.37     | 0.51    | ppb   |
| Arsenic    | 75-2  | 127.16   | 125.25   | 121.61   | 124.67     | 2.26    | ppb   |
| Barium     | 135-1 | 638.16   | 632.82   | 637.98   | 636.32     | 0.48    | ppb   |
| Barium     | 137-1 | 629.47   | 630.96   | 630.82   | 630.42     | 0.13    | ppb   |
| Beryllium  | 9-1   | 128.94   | 129.78   | 129.37   | 129.36     | 0.32    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 122.12   | 126.46   | 128.94   | 125.84     | 2.75    | ppb   |
| Boron      | 11-1  | 119.93   | 126.97   | 123.66   | 123.52     | 2.85    | ppb   |
| Cadmium    | 111-1 | 131.09   | 132.16   | 130.59   | 131.28     | 0.61    | ppb   |
| Cadmium    | 106-1 | 133.09   | 132.39   | 129.15   | 131.54     | 1.60    | ppb   |
| Cadmium    | 108-1 | 130.93   | 124.33   | 126.09   | 127.12     | 2.69    | ppb   |
| Calcium    | 43-1  | 12770.07 | 12994.23 | 13175.19 | 12979.83   | 1.56    | ppb   |
| Calcium    | 44-1  | 12720.23 | 12893.02 | 12904.33 | 12839.19   | 0.80    | ppb   |
| Chromium   | 52-2  | 123.31   | 122.75   | 123.33   | 123.13     | 0.27    | ppb   |
| Cobalt     | 59-2  | 132.00   | 131.67   | 133.67   | 132.45     | 0.81    | ppb   |
| Copper     | 63-2  | 264.52   | 263.08   | 266.95   | 264.85     | 0.74    | 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 |          |          |          |            |         | %     |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 6588.64  | 6481.69  | 6515.94  | 6528.76    | 0.84    | ppb   |
| Iron       | 57-2  | 6635.87  | 6548.78  | 6646.25  | 6610.30    | 0.81    | ppb   |
| Lead       | 206-1 | 129.66   | 127.95   | 127.27   | 128.29     | 0.96    | ppb   |
| Lead       | 207-1 | 126.21   | 127.12   | 127.41   | 126.91     | 0.49    | ppb   |
| Lead       | 208-1 | 124.56   | 124.59   | 124.80   | 124.65     | 0.10    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 12685.95 | 12754.28 | 12843.44 | 12761.22   | 0.62    | ppb   |
| Manganese  | 55-2  | 257.82   | 256.16   | 257.85   | 257.28     | 0.38    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:52:59 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 124.93   | 125.62   | 124.94   | 125.16     | 0.32    | ppb   |
| Molybdenum | 95-1  | 125.79   | 127.07   | 127.28   | 126.71     | 0.64    | ppb   |
| Molybdenum | 96-1  | 124.77   | 126.99   | 125.61   | 125.79     | 0.89    | ppb   |
| Molybdenum | 97-1  | 124.97   | 126.75   | 126.96   | 126.22     | 0.86    | ppb   |
| Molybdenum | 98-1  | 121.28   | 124.67   | 124.58   | 123.51     | 1.57    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 127.27   | 127.31   | 127.84   | 127.48     | 0.25    | ppb   |
| Phosphorus | 31-2  | 2407.37  | 2585.33  | 2493.56  | 2495.42    | 3.57    | ppb   |
| Potassium  | 39-2  | 6215.41  | 6228.79  | 6287.45  | 6243.88    | 0.61    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 135.43   | 122.78   | 126.53   | 128.25     | 5.07    | ppb   |
| Selenium   | 78-2  | 131.00   | 123.02   | 126.75   | 126.93     | 3.14    | ppb   |
| Selenium   | 82-1  | 126.96   | 128.87   | 128.60   | 128.14     | 0.81    | ppb   |
| Silicon    | 28-1  | 142.00   | 142.21   | 144.55   | 142.92     | 0.99    | ppb   |
| Silver     | 109-1 | 131.04   | 130.42   | 129.65   | 130.37     | 0.53    | ppb   |
| Silver     | 107-1 | 131.79   | 130.00   | 131.27   | 131.02     | 0.71    | ppb   |
| Sodium     | 23-2  | 12843.88 | 12941.69 | 13057.96 | 12947.84   | 0.83    | ppb   |
| Strontium  | 86-1  | 127.35   | 128.60   | 126.82   | 127.59     | 0.72    | ppb   |
| Strontium  | 88-1  | 125.20   | 126.02   | 126.22   | 125.81     | 0.43    | ppb   |
| Sulfur     | 34-1  | 2623.07  | 2731.17  | 2492.36  | 2615.53    | 4.57    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 124.25   | 124.46   | 124.25   | 124.32     | 0.09    | ppb   |
| Thallium   | 205-1 | 122.50   | 123.10   | 121.36   | 122.32     | 0.72    | ppb   |
| Tin        | 118-1 | 126.42   | 125.94   | 124.70   | 125.68     | 0.70    | ppb   |
| Titanium   | 47-1  | 125.22   | 126.31   | 126.88   | 126.14     | 0.67    | ppb   |
| Uranium    | 238-1 | 120.99   | 117.49   | 120.40   | 119.63     | 1.56    | ppb   |
| Vanadium   | 51-2  | 126.74   | 127.94   | 128.26   | 127.65     | 0.63    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 264.22   | 262.31   | 264.95   | 263.83     | 0.52    | ppb   |
| Zirconium  | 90-1  | 124.33   | 126.17   | 124.08   | 124.86     | 0.92    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:52:59 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 126.49  | 129.01  | 128.19  | 127.90     | 1.01    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:56:41 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4951.68  | 5005.89  | 4933.72  | 4963.76    | 0.76    | ppb   |
| Antimony   | 121-1 | 256.23   | 252.93   | 251.01   | 253.39     | 1.04    | ppb   |
| Arsenic    | 75-2  | 250.84   | 253.71   | 249.15   | 251.23     | 0.92    | ppb   |
| Barium     | 135-1 | 1295.21  | 1276.83  | 1262.26  | 1278.10    | 1.29    | ppb   |
| Barium     | 137-1 | 1265.65  | 1250.54  | 1232.36  | 1249.52    | 1.33    | ppb   |
| Beryllium  | 9-1   | 256.21   | 253.44   | 252.79   | 254.15     | 0.71    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 242.98   | 249.19   | 250.65   | 247.61     | 1.64    | ppb   |
| Boron      | 11-1  | 245.35   | 251.57   | 252.66   | 249.86     | 1.58    | ppb   |
| Cadmium    | 111-1 | 264.28   | 261.66   | 256.91   | 260.95     | 1.43    | ppb   |
| Cadmium    | 106-1 | 262.38   | 250.45   | 256.39   | 256.40     | 2.33    | ppb   |
| Cadmium    | 108-1 | 263.31   | 257.44   | 255.23   | 258.66     | 1.61    | ppb   |
| Calcium    | 43-1  | 26123.70 | 25691.71 | 26153.16 | 25989.52   | 0.99    | ppb   |
| Calcium    | 44-1  | 25755.88 | 25319.39 | 25738.75 | 25604.67   | 0.97    | ppb   |
| Chromium   | 52-2  | 243.51   | 243.84   | 243.84   | 243.73     | 0.08    | ppb   |
| Cobalt     | 59-2  | 257.39   | 261.49   | 256.76   | 258.55     | 0.99    | ppb   |
| Copper     | 63-2  | 520.80   | 526.59   | 516.73   | 521.38     | 0.95    | 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 |          |          |          |            |         | %     |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 12824.05 | 12975.31 | 12719.00 | 12839.45   | 1.00    | ppb   |
| Iron       | 57-2  | 13032.13 | 13140.68 | 12880.24 | 13017.68   | 1.00    | ppb   |
| Lead       | 206-1 | 253.49   | 254.00   | 257.57   | 255.02     | 0.87    | ppb   |
| Lead       | 207-1 | 256.91   | 255.75   | 255.27   | 255.98     | 0.33    | ppb   |
| Lead       | 208-1 | 249.07   | 248.88   | 249.91   | 249.29     | 0.22    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 25253.11 | 25202.19 | 24729.13 | 25061.47   | 1.15    | ppb   |
| Manganese  | 55-2  | 505.91   | 514.60   | 511.02   | 510.51     | 0.86    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:56:41 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 247.93   | 254.20   | 251.08   | 251.07     | 1.25    | ppb   |
| Molybdenum | 95-1  | 256.89   | 257.97   | 253.06   | 255.97     | 1.01    | ppb   |
| Molybdenum | 96-1  | 252.44   | 256.06   | 253.23   | 253.91     | 0.75    | ppb   |
| Molybdenum | 97-1  | 250.07   | 256.25   | 252.73   | 253.02     | 1.23    | ppb   |
| Molybdenum | 98-1  | 245.16   | 251.29   | 248.06   | 248.17     | 1.24    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 247.16   | 254.20   | 250.53   | 250.63     | 1.40    | ppb   |
| Phosphorus | 31-2  | 4923.30  | 5076.35  | 5116.49  | 5038.72    | 2.02    | ppb   |
| Potassium  | 39-2  | 12441.70 | 12517.13 | 12252.72 | 12403.85   | 1.10    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 236.45   | 215.55   | 260.66   | 237.55     | 9.50    | ppb   |
| Selenium   | 78-2  | 258.51   | 257.72   | 247.32   | 254.51     | 2.45    | ppb   |
| Selenium   | 82-1  | 258.95   | 258.31   | 255.15   | 257.47     | 0.79    | ppb   |
| Silicon    | 28-1  | 285.31   | 285.79   | 288.19   | 286.43     | 0.54    | ppb   |
| Silver     | 109-1 | 259.87   | 259.58   | 256.00   | 258.48     | 0.83    | ppb   |
| Silver     | 107-1 | 263.32   | 262.03   | 255.58   | 260.31     | 1.59    | ppb   |
| Sodium     | 23-2  | 25291.03 | 25710.16 | 25119.84 | 25373.68   | 1.20    | ppb   |
| Strontium  | 86-1  | 256.67   | 260.16   | 255.99   | 257.61     | 0.87    | ppb   |
| Strontium  | 88-1  | 249.37   | 250.41   | 247.35   | 249.04     | 0.63    | ppb   |
| Sulfur     | 34-1  | 5136.45  | 4928.81  | 4851.57  | 4972.28    | 2.96    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 246.24   | 245.40   | 249.30   | 246.98     | 0.83    | ppb   |
| Thallium   | 205-1 | 242.48   | 241.69   | 244.08   | 242.75     | 0.50    | ppb   |
| Tin        | 118-1 | 254.72   | 253.92   | 249.15   | 252.60     | 1.19    | ppb   |
| Titanium   | 47-1  | 255.52   | 256.20   | 255.32   | 255.68     | 0.18    | ppb   |
| Uranium    | 238-1 | 244.14   | 240.63   | 244.97   | 243.25     | 0.95    | ppb   |
| Vanadium   | 51-2  | 251.39   | 254.15   | 252.18   | 252.57     | 0.56    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 510.23   | 528.58   | 517.02   | 518.61     | 1.79    | ppb   |
| Zirconium  | 90-1  | 246.71   | 251.30   | 248.04   | 248.69     | 0.95    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:56:41 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 254.91  | 259.19  | 256.58  | 256.90     | 0.84    | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : S6 Instrumnet Name : P7  
 Client Sample ID : S6 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:00:19 DataFile Name : 009CAL.S.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9808.14  | 9866.60  | 9584.21  | 9752.99    | 1.53    | ppb   |
| Antimony   | 121-1 | 496.61   | 494.05   | 505.10   | 498.59     | 1.16    | ppb   |
| Arsenic    | 75-2  | 490.13   | 503.66   | 496.67   | 496.82     | 1.36    | ppb   |
| Barium     | 135-1 | 2476.28  | 2462.13  | 2538.35  | 2492.25    | 1.63    | ppb   |
| Barium     | 137-1 | 2504.12  | 2494.05  | 2526.37  | 2508.18    | 0.66    | ppb   |
| Beryllium  | 9-1   | 501.09   | 500.18   | 503.40   | 501.56     | 0.33    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 501.79   | 501.54   | 507.07   | 503.47     | 0.62    | ppb   |
| Boron      | 11-1  | 488.95   | 499.92   | 506.70   | 498.52     | 1.80    | ppb   |
| Cadmium    | 111-1 | 514.10   | 507.56   | 516.20   | 512.62     | 0.88    | ppb   |
| Cadmium    | 106-1 | 498.42   | 504.16   | 516.40   | 506.33     | 1.81    | ppb   |
| Cadmium    | 108-1 | 499.16   | 507.17   | 505.55   | 503.96     | 0.84    | ppb   |
| Calcium    | 43-1  | 52001.96 | 50924.48 | 51376.45 | 51434.30   | 1.05    | ppb   |
| Calcium    | 44-1  | 51230.09 | 50716.31 | 50985.69 | 50977.37   | 0.50    | ppb   |
| Chromium   | 52-2  | 479.16   | 483.94   | 480.14   | 481.08     | 0.52    | ppb   |
| Cobalt     | 59-2  | 513.36   | 509.52   | 504.87   | 509.25     | 0.83    | ppb   |
| Copper     | 63-2  | 1010.90  | 1013.73  | 1005.14  | 1009.92    | 0.43    | 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 |          |          |          |            |         | %     |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 25321.99 | 25411.23 | 25183.22 | 25305.48   | 0.45    | ppb   |
| Iron       | 57-2  | 25525.10 | 25548.18 | 25476.00 | 25516.43   | 0.14    | ppb   |
| Lead       | 206-1 | 506.66   | 506.95   | 514.19   | 509.27     | 0.84    | ppb   |
| Lead       | 207-1 | 503.74   | 508.79   | 518.04   | 510.19     | 1.42    | ppb   |
| Lead       | 208-1 | 499.12   | 505.51   | 508.55   | 504.39     | 0.95    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 49612.96 | 49312.73 | 49203.21 | 49376.30   | 0.43    | ppb   |
| Manganese  | 55-2  | 1002.66  | 1007.99  | 994.50   | 1001.71    | 0.68    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:00:19 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 489.53   | 497.71   | 501.85   | 496.36     | 1.26    | ppb   |
| Molybdenum | 95-1  | 500.24   | 513.12   | 509.19   | 507.52     | 1.30    | ppb   |
| Molybdenum | 96-1  | 497.95   | 501.92   | 504.87   | 501.58     | 0.69    | ppb   |
| Molybdenum | 97-1  | 499.77   | 504.87   | 504.74   | 503.12     | 0.58    | ppb   |
| Molybdenum | 98-1  | 489.62   | 492.88   | 502.15   | 494.88     | 1.31    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 493.24   | 490.88   | 491.20   | 491.77     | 0.26    | ppb   |
| Phosphorus | 31-2  | 10132.06 | 9948.04  | 9799.42  | 9959.84    | 1.67    | ppb   |
| Potassium  | 39-2  | 24427.04 | 24238.27 | 24103.09 | 24256.13   | 0.67    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 473.14   | 537.78   | 449.35   | 486.76     | 9.40    | ppb   |
| Selenium   | 78-2  | 513.01   | 505.89   | 503.99   | 507.63     | 0.94    | ppb   |
| Selenium   | 82-1  | 499.78   | 511.00   | 515.46   | 508.74     | 1.59    | ppb   |
| Silicon    | 28-1  | 562.90   | 547.58   | 562.42   | 557.63     | 1.56    | ppb   |
| Silver     | 109-1 | 501.47   | 498.35   | 508.80   | 502.87     | 1.07    | ppb   |
| Silver     | 107-1 | 501.74   | 500.12   | 509.23   | 503.70     | 0.96    | ppb   |
| Sodium     | 23-2  | 50322.70 | 50488.05 | 49807.17 | 50205.97   | 0.71    | ppb   |
| Strontium  | 86-1  | 496.09   | 515.48   | 513.65   | 508.41     | 2.11    | ppb   |
| Strontium  | 88-1  | 500.57   | 507.10   | 505.01   | 504.23     | 0.66    | ppb   |
| Sulfur     | 34-1  | 9913.38  | 9429.31  | 9736.23  | 9692.97    | 2.53    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 492.37   | 497.53   | 496.77   | 495.56     | 0.56    | ppb   |
| Thallium   | 205-1 | 494.31   | 506.93   | 504.56   | 501.93     | 1.34    | ppb   |
| Tin        | 118-1 | 497.09   | 487.01   | 505.69   | 496.60     | 1.88    | ppb   |
| Titanium   | 47-1  | 507.36   | 498.44   | 507.23   | 504.34     | 1.01    | ppb   |
| Uranium    | 238-1 | 496.21   | 504.91   | 490.04   | 497.05     | 1.50    | ppb   |
| Vanadium   | 51-2  | 502.73   | 501.86   | 500.08   | 501.55     | 0.27    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1017.08  | 1027.87  | 1017.84  | 1020.93    | 0.59    | ppb   |
| Zirconium  | 90-1  | 501.15   | 503.29   | 506.93   | 503.79     | 0.58    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:00:19 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 502.45  | 507.58  | 511.94  | 507.32     | 0.94    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:03:53 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 19426.18  | 19285.59  | 19210.14  | 19307.30   | 0.57    | ppb   |
| Antimony   | 121-1 | 991.05    | 1000.36   | 1007.65   | 999.69     | 0.83    | ppb   |
| Arsenic    | 75-2  | 1009.97   | 987.26    | 1006.61   | 1001.28    | 1.22    | ppb   |
| Barium     | 135-1 | 5004.32   | 4960.92   | 5020.55   | 4995.26    | 0.62    | ppb   |
| Barium     | 137-1 | 4968.06   | 5001.79   | 5015.70   | 4995.18    | 0.49    | ppb   |
| Beryllium  | 9-1   | 990.70    | 997.79    | 1003.97   | 997.48     | 0.67    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 10-1  | 967.01    | 1013.00   | 1016.38   | 998.80     | 2.76    | ppb   |
| Boron      | 11-1  | 987.27    | 1001.68   | 1014.00   | 1000.98    | 1.34    | ppb   |
| Cadmium    | 111-1 | 979.14    | 993.32    | 997.65    | 990.04     | 0.98    | ppb   |
| Cadmium    | 106-1 | 987.30    | 993.30    | 1002.33   | 994.31     | 0.76    | ppb   |
| Cadmium    | 108-1 | 978.37    | 999.36    | 1008.92   | 995.55     | 1.57    | ppb   |
| Calcium    | 43-1  | 102015.36 | 101188.28 | 102471.72 | 101891.79  | 0.64    | ppb   |
| Calcium    | 44-1  | 101362.30 | 100420.18 | 102020.87 | 101267.78  | 0.79    | ppb   |
| Chromium   | 52-2  | 1009.13   | 1014.79   | 1009.97   | 1011.29    | 0.30    | ppb   |
| Cobalt     | 59-2  | 994.87    | 992.55    | 988.96    | 992.13     | 0.30    | ppb   |
| Copper     | 63-2  | 1995.54   | 1987.13   | 1979.59   | 1987.42    | 0.40    | 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 |           |           |           |            |         | %     |
| Holmium    | 165-2 |           |           |           |            |         | %     |
| Indium     | 115-1 |           |           |           |            |         | %     |
| Indium     | 115-2 |           |           |           |            |         | %     |
| Iron       | 56-2  | 51230.61  | 50659.54  | 50348.06  | 50746.07   | 0.88    | ppb   |
| Iron       | 57-2  | 50610.22  | 50431.30  | 50592.34  | 50544.62   | 0.19    | ppb   |
| Lead       | 206-1 | 971.89    | 988.94    | 1020.03   | 993.62     | 2.46    | ppb   |
| Lead       | 207-1 | 986.78    | 1002.79   | 989.70    | 993.09     | 0.86    | ppb   |
| Lead       | 208-1 | 989.27    | 1000.00   | 1004.69   | 997.99     | 0.79    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 99038.29  | 97376.34  | 97126.96  | 97847.20   | 1.06    | ppb   |
| Manganese  | 55-2  | 1995.09   | 2003.91   | 1987.22   | 1995.41    | 0.42    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:03:53 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 1013.40  | 998.35   | 992.84   | 1001.53    | 1.06    | ppb   |
| Molybdenum | 95-1  | 1001.63  | 987.01   | 994.78   | 994.47     | 0.74    | ppb   |
| Molybdenum | 96-1  | 995.41   | 984.70   | 1014.26  | 998.12     | 1.50    | ppb   |
| Molybdenum | 97-1  | 999.62   | 1003.59  | 989.35   | 997.52     | 0.74    | ppb   |
| Molybdenum | 98-1  | 1002.81  | 1006.88  | 999.94   | 1003.21    | 0.35    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 1006.09  | 1004.96  | 999.54   | 1003.53    | 0.35    | ppb   |
| Phosphorus | 31-2  | 20535.15 | 19949.10 | 19546.01 | 20010.09   | 2.49    | ppb   |
| Potassium  | 39-2  | 49045.19 | 48807.27 | 48093.83 | 48648.77   | 1.02    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 1056.10  | 965.30   | 1006.46  | 1009.29    | 4.50    | ppb   |
| Selenium   | 78-2  | 1011.76  | 972.90   | 999.28   | 994.65     | 1.99    | ppb   |
| Selenium   | 82-1  | 987.77   | 997.01   | 995.13   | 993.30     | 0.49    | ppb   |
| Silicon    | 28-1  | 963.04   | 955.23   | 959.49   | 959.25     | 0.41    | ppb   |
| Silver     | 109-1 | 994.47   | 995.66   | 996.78   | 995.64     | 0.12    | ppb   |
| Silver     | 107-1 | 999.24   | 998.74   | 986.02   | 994.67     | 0.75    | ppb   |
| Sodium     | 23-2  | 99926.18 | 99175.53 | 99904.10 | 99668.60   | 0.43    | ppb   |
| Strontium  | 86-1  | 995.53   | 997.49   | 987.44   | 993.49     | 0.54    | ppb   |
| Strontium  | 88-1  | 1007.80  | 1009.22  | 976.88   | 997.97     | 1.83    | ppb   |
| Sulfur     | 34-1  | 20352.63 | 19928.44 | 20106.46 | 20129.18   | 1.06    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 995.93   | 1022.53  | 990.73   | 1003.06    | 1.70    | ppb   |
| Thallium   | 205-1 | 995.11   | 1012.72  | 995.71   | 1001.18    | 1.00    | ppb   |
| Tin        | 118-1 | 991.89   | 1001.29  | 1009.65  | 1000.94    | 0.89    | ppb   |
| Titanium   | 47-1  | 991.97   | 989.49   | 1007.24  | 996.23     | 0.97    | ppb   |
| Uranium    | 238-1 | 999.98   | 1008.71  | 1003.04  | 1003.91    | 0.44    | ppb   |
| Vanadium   | 51-2  | 994.21   | 1001.71  | 998.65   | 998.19     | 0.38    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1988.67  | 1980.54  | 1979.31  | 1982.84    | 0.26    | ppb   |
| Zirconium  | 90-1  | 1001.51  | 1002.29  | 991.53   | 998.44     | 0.60    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:03:53 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 997.52  | 990.63  | 994.51  | 994.22     | 0.35    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:07:22 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 99799.93  | 100326.64 | 100368.25 | 100164.94  | 0.32    | ppb   |
| Antimony   | 121-1 | 2.91      | 2.55      | 2.61      | 2.69       | 7.08    | ppb   |
| Arsenic    | 75-2  | 0.35      | 0.55      | 0.54      | 0.48       | 22.72   | ppb   |
| Barium     | 135-1 | 1.29      | 1.37      | 1.50      | 1.39       | 7.77    | ppb   |
| Barium     | 137-1 | 1.28      | 1.35      | 1.29      | 1.31       | 2.98    | ppb   |
| Beryllium  | 9-1   | 0.39      | 0.38      | 0.33      | 0.37       | 8.30    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 10-1  | 42.82     | 37.99     | 36.67     | 39.16      | 8.27    | ppb   |
| Boron      | 11-1  | 41.96     | 36.80     | 34.40     | 37.72      | 10.24   | ppb   |
| Cadmium    | 111-1 | 0.35      | 0.17      | 0.26      | 0.26       | 33.34   | ppb   |
| Cadmium    | 106-1 | 2.90      | 0.79      | 2.16      | 1.95       | 54.84   | ppb   |
| Cadmium    | 108-1 | 0.07      | 0.11      | 0.20      | 0.13       | 52.58   | ppb   |
| Calcium    | 43-1  | 499188.37 | 499752.07 | 499303.34 | 499414.59  | 0.06    | ppb   |
| Calcium    | 44-1  | 498392.91 | 497698.21 | 502733.07 | 499608.06  | 0.55    | ppb   |
| Chromium   | 52-2  | 12.07     | 12.38     | 12.14     | 12.20      | 1.31    | ppb   |
| Cobalt     | 59-2  | 1.23      | 1.25      | 1.26      | 1.25       | 0.98    | ppb   |
| Copper     | 63-2  | 3.28      | 3.13      | 3.05      | 3.15       | 3.75    | 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 |           |           |           |            |         | %     |
| Holmium    | 165-2 |           |           |           |            |         | %     |
| Indium     | 115-1 |           |           |           |            |         | %     |
| Indium     | 115-2 |           |           |           |            |         | %     |
| Iron       | 56-2  | 251727.51 | 250637.41 | 247019.51 | 249794.81  | 0.99    | ppb   |
| Iron       | 57-2  | 248834.43 | 250870.34 | 249704.40 | 249803.06  | 0.41    | ppb   |
| Lead       | 206-1 | 1.56      | 1.53      | 1.54      | 1.54       | 1.10    | ppb   |
| Lead       | 207-1 | 1.37      | 1.42      | 1.31      | 1.37       | 4.12    | ppb   |
| Lead       | 208-1 | 1.45      | 1.40      | 1.42      | 1.42       | 1.91    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 504960.07 | 499430.08 | 497055.29 | 500481.81  | 0.81    | ppb   |
| Manganese  | 55-2  | 6.12      | 5.66      | 5.91      | 5.90       | 3.95    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:07:22 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.93      | 0.94      | 0.99      | 0.95       | 3.36    | ppb   |
| Molybdenum | 95-1  | 2.69      | 2.57      | 2.71      | 2.66       | 2.91    | ppb   |
| Molybdenum | 96-1  | 2.70      | 2.52      | 2.70      | 2.64       | 3.91    | ppb   |
| Molybdenum | 97-1  | 2.67      | 2.70      | 2.60      | 2.66       | 1.96    | ppb   |
| Molybdenum | 98-1  | 2.66      | 2.60      | 2.50      | 2.58       | 3.13    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 9.76      | 9.74      | 9.86      | 9.79       | 0.69    | ppb   |
| Phosphorus | 31-2  | -14.58    | 12.81     | 5.48      | 1.24       | 1146.35 | ppb   |
| Potassium  | 39-2  | 249647.91 | 250645.46 | 250755.13 | 250349.50  | 0.24    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 0.00      | 0.00      | 0.00      | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.21      | 1.06      | -0.19     | 0.36       | 178.58  | ppb   |
| Selenium   | 82-1  | 1.44      | 0.59      | 0.43      | 0.82       | 66.32   | ppb   |
| Silicon    | 28-1  | 34.39     | 36.42     | 36.04     | 35.61      | 3.03    | ppb   |
| Silver     | 109-1 | 0.12      | 0.13      | 0.14      | 0.13       | 4.26    | ppb   |
| Silver     | 107-1 | 0.11      | 0.12      | 0.13      | 0.12       | 8.84    | ppb   |
| Sodium     | 23-2  | 502981.49 | 499118.97 | 497939.68 | 500013.38  | 0.53    | ppb   |
| Strontium  | 86-1  | 35.91     | 35.46     | 35.06     | 35.48      | 1.19    | ppb   |
| Strontium  | 88-1  | 34.93     | 34.11     | 34.93     | 34.66      | 1.36    | ppb   |
| Sulfur     | 34-1  | -34.21    | 168.60    | -15.65    | 39.58      | 283.26  | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 0.42      | 0.40      | 0.33      | 0.38       | 12.88   | ppb   |
| Thallium   | 205-1 | 0.42      | 0.36      | 0.37      | 0.38       | 7.90    | ppb   |
| Tin        | 118-1 | 1.11      | 1.15      | 1.24      | 1.17       | 5.56    | ppb   |
| Titanium   | 47-1  | 0.70      | 0.54      | 0.62      | 0.62       | 12.90   | ppb   |
| Uranium    | 238-1 | 0.08      | 0.07      | 0.06      | 0.07       | 15.33   | ppb   |
| Vanadium   | 51-2  | 0.21      | 0.22      | 0.18      | 0.20       | 9.04    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 5.68      | 5.23      | 5.96      | 5.62       | 6.52    | ppb   |
| Zirconium  | 90-1  | 0.18      | 0.17      | 0.18      | 0.18       | 3.13    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:07:22 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.20    | 0.19    | 0.23    | 0.21       | 8.47    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:16:42 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 496.35  | 490.30  | 500.35  | 495.67     | 1.02    | ppb   |
| Antimony   | 121-1 | 194.07  | 197.21  | 197.59  | 196.29     | 0.98    | ppb   |
| Arsenic    | 75-2  | 199.77  | 198.71  | 195.93  | 198.14     | 1.00    | ppb   |
| Barium     | 135-1 | 101.09  | 102.48  | 101.90  | 101.82     | 0.69    | ppb   |
| Barium     | 137-1 | 100.83  | 102.45  | 101.27  | 101.52     | 0.82    | ppb   |
| Beryllium  | 9-1   | 101.22  | 101.24  | 102.60  | 101.69     | 0.78    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 548.15  | 549.06  | 550.90  | 549.37     | 0.26    | ppb   |
| Boron      | 11-1  | 548.87  | 548.74  | 547.35  | 548.32     | 0.15    | ppb   |
| Cadmium    | 111-1 | 106.35  | 107.67  | 107.18  | 107.07     | 0.62    | ppb   |
| Cadmium    | 106-1 | 168.86  | 172.44  | 165.51  | 168.93     | 2.05    | ppb   |
| Cadmium    | 108-1 | 132.19  | 140.71  | 140.87  | 137.92     | 3.60    | ppb   |
| Calcium    | 43-1  | 2214.78 | 2241.54 | 2218.83 | 2225.05    | 0.65    | ppb   |
| Calcium    | 44-1  | 2163.65 | 2141.28 | 2175.65 | 2160.19    | 0.81    | ppb   |
| Chromium   | 52-2  | 93.57   | 92.37   | 93.88   | 93.27      | 0.86    | ppb   |
| Cobalt     | 59-2  | 101.63  | 101.98  | 102.94  | 102.18     | 0.66    | ppb   |
| Copper     | 63-2  | 101.67  | 101.97  | 102.28  | 101.98     | 0.30    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 1051.52 | 1048.31 | 1052.65 | 1050.83    | 0.21    | ppb   |
| Iron       | 57-2  | 1014.48 | 1012.48 | 1020.95 | 1015.97    | 0.44    | ppb   |
| Lead       | 206-1 | 198.64  | 203.87  | 204.43  | 202.31     | 1.58    | ppb   |
| Lead       | 207-1 | 190.83  | 197.52  | 197.83  | 195.39     | 2.03    | ppb   |
| Lead       | 208-1 | 190.00  | 195.61  | 195.91  | 193.84     | 1.72    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1175.01 | 1156.11 | 1186.22 | 1172.45    | 1.30    | ppb   |
| Manganese  | 55-2  | 99.19   | 98.94   | 99.82   | 99.32      | 0.45    | ppb   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:16:42 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 457.18  | 464.72  | 465.93  | 462.61     | 1.02    | ppb   |
| Molybdenum | 95-1  | 473.23  | 475.57  | 473.79  | 474.20     | 0.26    | ppb   |
| Molybdenum | 96-1  | 465.83  | 468.39  | 473.63  | 469.28     | 0.85    | ppb   |
| Molybdenum | 97-1  | 468.00  | 470.16  | 472.03  | 470.06     | 0.43    | ppb   |
| Molybdenum | 98-1  | 455.26  | 461.23  | 464.47  | 460.32     | 1.02    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 100.02  | 98.24   | 99.65   | 99.30      | 0.94    | ppb   |
| Phosphorus | 31-2  | 8.76    | 10.99   | -13.11  | 2.21       | 601.44  | ppb   |
| Potassium  | 39-2  | 1974.45 | 1976.96 | 2000.53 | 1983.98    | 0.73    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 183.97  | 194.48  | 202.14  | 193.53     | 4.71    | ppb   |
| Selenium   | 78-2  | 210.15  | 204.79  | 197.86  | 204.27     | 3.02    | ppb   |
| Selenium   | 82-1  | 200.00  | 202.52  | 200.24  | 200.92     | 0.69    | ppb   |
| Silicon    | 28-1  | 515.15  | 514.23  | 518.18  | 515.85     | 0.40    | ppb   |
| Silver     | 109-1 | 102.84  | 104.10  | 104.54  | 103.83     | 0.85    | ppb   |
| Silver     | 107-1 | 103.91  | 106.50  | 105.30  | 105.24     | 1.23    | ppb   |
| Sodium     | 23-2  | 2024.86 | 2032.31 | 2038.08 | 2031.75    | 0.33    | ppb   |
| Strontium  | 86-1  | 474.65  | 480.83  | 484.86  | 480.12     | 1.07    | ppb   |
| Strontium  | 88-1  | 477.37  | 481.75  | 485.94  | 481.69     | 0.89    | ppb   |
| Sulfur     | 34-1  | -363.22 | -371.47 | -268.23 | -334.31    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 194.88  | 199.97  | 200.15  | 198.34     | 1.51    | ppb   |
| Thallium   | 205-1 | 191.15  | 197.25  | 196.77  | 195.06     | 1.74    | ppb   |
| Tin        | 118-1 | 473.94  | 479.40  | 481.71  | 478.35     | 0.83    | ppb   |
| Titanium   | 47-1  | 476.29  | 479.43  | 478.02  | 477.91     | 0.33    | ppb   |
| Uranium    | 238-1 | 490.06  | 498.06  | 495.64  | 494.59     | 0.83    | ppb   |
| Vanadium   | 51-2  | 97.49   | 98.82   | 97.86   | 98.06      | 0.70    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 205.21  | 208.30  | 206.67  | 206.73     | 0.75    | ppb   |
| Zirconium  | 90-1  | 472.71  | 478.03  | 472.54  | 474.43     | 0.66    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:16:42 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 474.15  | 475.60  | 475.65  | 475.13     | 0.18    | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:20:08 DataFile Name : 013CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.73   | -0.60   | 0.09    | -0.41      |         | ppb   |
| Antimony   | 121-1 | 0.91    | 0.84    | 0.82    | 0.86       | 5.32    | ppb   |
| Arsenic    | 75-2  | 0.04    | 0.06    | 0.11    | 0.07       | 54.11   | ppb   |
| Barium     | 135-1 | 0.02    | -0.01   | 0.04    | 0.01       | 162.06  | ppb   |
| Barium     | 137-1 | 0.02    | 0.01    | -0.01   | 0.01       | 172.88  | ppb   |
| Beryllium  | 9-1   | 0.06    | 0.07    | 0.08    | 0.07       | 11.89   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 11.85   | 9.85    | 9.79    | 10.50      | 11.17   | ppb   |
| Boron      | 11-1  | 10.57   | 10.94   | 10.67   | 10.73      | 1.80    | ppb   |
| Cadmium    | 111-1 | 0.09    | 0.04    | 0.16    | 0.10       | 65.81   | ppb   |
| Cadmium    | 106-1 | 1.18    | 0.47    | 2.20    | 1.28       | 67.73   | ppb   |
| Cadmium    | 108-1 | -0.02   | -0.10   | 0.07    | -0.02      |         | ppb   |
| Calcium    | 43-1  | 3.44    | 5.95    | 2.01    | 3.80       | 52.46   | ppb   |
| Calcium    | 44-1  | 36.24   | 39.75   | 42.42   | 39.47      | 7.86    | ppb   |
| Chromium   | 52-2  | -0.03   | -0.08   | 0.05    | -0.02      |         | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | -0.01   | -0.01   | -0.03   | -0.02      |         | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 0.76    | 0.64    | 0.69    | 0.70       | 8.40    | ppb   |
| Iron       | 57-2  | 0.97    | 2.22    | 2.41    | 1.87       | 41.83   | ppb   |
| Lead       | 206-1 | 0.08    | 0.07    | 0.08    | 0.08       | 4.80    | ppb   |
| Lead       | 207-1 | 0.06    | 0.05    | 0.10    | 0.07       | 35.11   | ppb   |
| Lead       | 208-1 | 0.08    | 0.05    | 0.10    | 0.08       | 30.67   | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.17    | -1.22   | -0.87   | -0.64      |         | ppb   |
| Manganese  | 55-2  | -0.03   | 0.02    | -0.02   | -0.01      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:20:08 | DataFile Name :   | 013CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.12    | 0.12    | 0.10    | 0.11       | 13.18   | ppb   |
| Molybdenum | 95-1  | 0.27    | 0.27    | 0.25    | 0.26       | 3.84    | ppb   |
| Molybdenum | 96-1  | 0.28    | 0.23    | 0.19    | 0.23       | 18.53   | ppb   |
| Molybdenum | 97-1  | 0.31    | 0.25    | 0.22    | 0.26       | 16.53   | ppb   |
| Molybdenum | 98-1  | 0.30    | 0.27    | 0.28    | 0.28       | 4.73    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.02    | 0.02    | 0.01    | 0.02       | 37.16   | ppb   |
| Phosphorus | 31-2  | -12.68  | -12.87  | -6.10   | -10.55     |         | ppb   |
| Potassium  | 39-2  | 20.17   | 19.69   | 25.03   | 21.63      | 13.65   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.75    | 0.00    | 0.00    | 0.25       | 173.21  | ppb   |
| Selenium   | 78-2  | 0.25    | 0.93    | -0.32   | 0.29       | 218.94  | ppb   |
| Selenium   | 82-1  | 0.33    | -0.08   | 0.07    | 0.11       | 187.46  | ppb   |
| Silicon    | 28-1  | 4.95    | 5.34    | 8.17    | 6.15       | 28.54   | ppb   |
| Silver     | 109-1 | 0.01    | 0.02    | 0.02    | 0.02       | 18.88   | ppb   |
| Silver     | 107-1 | 0.01    | 0.01    | 0.01    | 0.01       | 17.81   | ppb   |
| Sodium     | 23-2  | 54.67   | 50.52   | 53.63   | 52.94      | 4.08    | ppb   |
| Strontium  | 86-1  | 0.02    | 0.04    | 0.03    | 0.03       | 42.67   | ppb   |
| Strontium  | 88-1  | 0.00    | 0.01    | 0.00    | 0.00       | 239.55  | ppb   |
| Sulfur     | 34-1  | -241.91 | -23.74  | 275.73  | 3.36       | 7732.49 | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.06    | 0.06    | 0.06    | 0.06       | 4.95    | ppb   |
| Thallium   | 205-1 | 0.07    | 0.07    | 0.05    | 0.06       | 14.02   | ppb   |
| Tin        | 118-1 | 0.36    | 0.34    | 0.33    | 0.34       | 4.40    | ppb   |
| Titanium   | 47-1  | -0.04   | -0.03   | 0.05    | -0.01      |         | ppb   |
| Uranium    | 238-1 | 0.02    | 0.01    | 0.01    | 0.01       | 26.18   | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 45.37   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.07    | -0.11   | 0.09    | 0.02       | 632.83  | ppb   |
| Zirconium  | 90-1  | 0.05    | 0.06    | 0.06    | 0.06       | 5.92    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:20:08 | DataFile Name :   | 013CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.04    | 0.04    | 0.06    | 0.05       | 31.35   | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB91015             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-10-21 15:23:35 | DataFile Name :   | 014ICSA01.d |

| Parameter  | Mass  | ConRep1   | ConRep2  | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 93353.32  | 90305.86 | 91309.12  | 91656.10   | 1.69    | ppb   |
| Antimony   | 121-1 | 1.77      | 1.62     | 1.74      | 1.71       | 4.63    | ppb   |
| Arsenic    | 75-2  | 0.36      | 0.35     | 0.36      | 0.36       | 2.22    | ppb   |
| Barium     | 135-1 | 1.34      | 1.57     | 1.45      | 1.46       | 7.95    | ppb   |
| Barium     | 137-1 | 1.53      | 1.55     | 1.36      | 1.48       | 7.16    | ppb   |
| Beryllium  | 9-1   | 0.30      | 0.36     | 0.34      | 0.33       | 9.62    | ppb   |
| Bismuth    | 209-1 |           |          |           |            |         | %     |
| Bismuth    | 209-2 |           |          |           |            |         | %     |
| Boron      | 10-1  | 8.41      | 8.45     | 7.83      | 8.23       | 4.23    | ppb   |
| Boron      | 11-1  | 8.55      | 8.00     | 8.16      | 8.23       | 3.41    | ppb   |
| Cadmium    | 111-1 | 0.53      | 0.56     | 0.50      | 0.53       | 5.29    | ppb   |
| Cadmium    | 106-1 | 1.54      | 1.39     | 1.13      | 1.35       | 15.36   | ppb   |
| Cadmium    | 108-1 | 9.67      | 9.35     | 9.24      | 9.42       | 2.36    | ppb   |
| Calcium    | 43-1  | 99577.31  | 97920.28 | 99780.10  | 99092.56   | 1.03    | ppb   |
| Calcium    | 44-1  | 98512.97  | 98713.92 | 100818.61 | 99348.50   | 1.29    | ppb   |
| Chromium   | 52-2  | 19.79     | 19.10    | 18.98     | 19.29      | 2.25    | ppb   |
| Cobalt     | 59-2  | 1.24      | 1.14     | 1.19      | 1.19       | 4.16    | ppb   |
| Copper     | 63-2  | 8.33      | 7.88     | 8.04      | 8.08       | 2.82    | 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 |           |          |           |            |         | %     |
| Holmium    | 165-2 |           |          |           |            |         | %     |
| Indium     | 115-1 |           |          |           |            |         | %     |
| Indium     | 115-2 |           |          |           |            |         | %     |
| Iron       | 56-2  | 102691.59 | 98237.57 | 99973.26  | 100300.81  | 2.24    | ppb   |
| Iron       | 57-2  | 100018.93 | 97162.27 | 97251.05  | 98144.08   | 1.65    | ppb   |
| Lead       | 206-1 | 4.88      | 4.85     | 4.66      | 4.80       | 2.49    | ppb   |
| Lead       | 207-1 | 4.16      | 4.39     | 4.10      | 4.22       | 3.67    | ppb   |
| Lead       | 208-1 | 4.41      | 4.44     | 4.26      | 4.37       | 2.26    | ppb   |
| Lithium    | 6-1   |           |          |           |            |         | %     |
| Magnesium  | 24-2  | 101028.36 | 96189.11 | 96088.76  | 97768.74   | 2.89    | ppb   |
| Manganese  | 55-2  | 8.12      | 7.77     | 7.80      | 7.89       | 2.45    | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB91015             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-10-21 15:23:35 | DataFile Name :   | 014ICSA01.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 568.21    | 588.51    | 575.20    | 577.31     | 1.79    | ppb   |
| Molybdenum | 95-1  | 1925.60   | 1970.69   | 1960.13   | 1952.14    | 1.21    | ppb   |
| Molybdenum | 96-1  | 1610.29   | 1688.26   | 1636.93   | 1645.16    | 2.41    | ppb   |
| Molybdenum | 97-1  | 1831.07   | 1890.32   | 1856.40   | 1859.27    | 1.60    | ppb   |
| Molybdenum | 98-1  | 1901.95   | 1927.82   | 1922.37   | 1917.38    | 0.71    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 5.47      | 5.25      | 5.52      | 5.41       | 2.69    | ppb   |
| Phosphorus | 31-2  | 99864.53  | 97077.86  | 97175.54  | 98039.31   | 1.61    | ppb   |
| Potassium  | 39-2  | 100405.74 | 95380.03  | 95322.86  | 97036.21   | 3.01    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 0.00      | 0.00      | 2.99      | 1.00       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.77     | 0.38      | 0.25      | -0.05      |         | ppb   |
| Selenium   | 82-1  | 0.21      | -0.26     | -0.13     | -0.06      |         | ppb   |
| Silicon    | 28-1  | 37.78     | 38.25     | 39.08     | 38.37      | 1.72    | ppb   |
| Silver     | 109-1 | 0.11      | 0.12      | 0.14      | 0.12       | 15.74   | ppb   |
| Silver     | 107-1 | 0.12      | 0.11      | 0.15      | 0.13       | 14.21   | ppb   |
| Sodium     | 23-2  | 103575.91 | 98685.35  | 98212.92  | 100158.06  | 2.96    | ppb   |
| Strontium  | 86-1  | 34.14     | 34.94     | 33.93     | 34.34      | 1.55    | ppb   |
| Strontium  | 88-1  | 34.18     | 34.83     | 34.23     | 34.41      | 1.05    | ppb   |
| Sulfur     | 34-1  | 99148.28  | 100292.66 | 100139.16 | 99860.03   | 0.62    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 0.10      | 0.10      | 0.08      | 0.10       | 14.08   | ppb   |
| Thallium   | 205-1 | 0.09      | 0.12      | 0.10      | 0.10       | 11.30   | ppb   |
| Tin        | 118-1 | 0.27      | 0.22      | 0.26      | 0.25       | 10.28   | ppb   |
| Titanium   | 47-1  | 1899.66   | 1906.83   | 1926.61   | 1911.03    | 0.73    | ppb   |
| Uranium    | 238-1 | 0.03      | 0.03      | 0.02      | 0.03       | 34.99   | ppb   |
| Vanadium   | 51-2  | 0.18      | 0.15      | 0.15      | 0.16       | 9.52    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 11.63     | 11.64     | 12.10     | 11.79      | 2.30    | ppb   |
| Zirconium  | 90-1  | 0.28      | 0.22      | 0.18      | 0.22       | 22.28   | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB91015             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-10-21 15:23:35 | DataFile Name :   | 014ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.28    | 0.28    | 0.25    | 0.27       | 6.39    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:26:59 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 89239.79  | 91587.10  | 87129.77 | 89318.89   | 2.50    | ppb   |
| Antimony   | 121-1 | 21.36     | 21.58     | 21.48    | 21.47      | 0.50    | ppb   |
| Arsenic    | 75-2  | 20.39     | 20.07     | 20.09    | 20.18      | 0.89    | ppb   |
| Barium     | 135-1 | 23.17     | 22.91     | 23.31    | 23.13      | 0.87    | ppb   |
| Barium     | 137-1 | 22.62     | 22.28     | 22.38    | 22.42      | 0.78    | ppb   |
| Beryllium  | 9-1   | 21.65     | 22.03     | 21.71    | 21.80      | 0.93    | ppb   |
| Bismuth    | 209-1 |           |           |          |            |         | %     |
| Bismuth    | 209-2 |           |           |          |            |         | %     |
| Boron      | 10-1  | 45.23     | 46.09     | 45.93    | 45.75      | 1.01    | ppb   |
| Boron      | 11-1  | 43.88     | 44.60     | 47.42    | 45.30      | 4.13    | ppb   |
| Cadmium    | 111-1 | 20.70     | 20.73     | 20.72    | 20.72      | 0.07    | ppb   |
| Cadmium    | 106-1 | 21.66     | 24.24     | 23.11    | 23.01      | 5.63    | ppb   |
| Cadmium    | 108-1 | 31.82     | 32.44     | 31.75    | 32.00      | 1.19    | ppb   |
| Calcium    | 43-1  | 100149.74 | 99146.03  | 98449.63 | 99248.47   | 0.86    | ppb   |
| Calcium    | 44-1  | 98938.91  | 99408.18  | 99652.60 | 99333.23   | 0.37    | ppb   |
| Chromium   | 52-2  | 37.55     | 38.63     | 36.87    | 37.68      | 2.34    | ppb   |
| Cobalt     | 59-2  | 21.14     | 22.12     | 21.38    | 21.55      | 2.37    | ppb   |
| Copper     | 63-2  | 27.93     | 29.17     | 27.68    | 28.26      | 2.82    | 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 |           |           |          |            |         | %     |
| Holmium    | 165-2 |           |           |          |            |         | %     |
| Indium     | 115-1 |           |           |          |            |         | %     |
| Indium     | 115-2 |           |           |          |            |         | %     |
| Iron       | 56-2  | 97188.50  | 100025.30 | 94642.62 | 97285.47   | 2.77    | ppb   |
| Iron       | 57-2  | 94341.77  | 97986.83  | 93913.81 | 95414.14   | 2.35    | ppb   |
| Lead       | 206-1 | 26.47     | 26.81     | 26.97    | 26.75      | 0.95    | ppb   |
| Lead       | 207-1 | 24.39     | 24.24     | 24.71    | 24.44      | 0.98    | ppb   |
| Lead       | 208-1 | 24.85     | 24.88     | 25.16    | 24.96      | 0.68    | ppb   |
| Lithium    | 6-1   |           |           |          |            |         | %     |
| Magnesium  | 24-2  | 93663.48  | 97177.73  | 93282.33 | 94707.85   | 2.27    | ppb   |
| Manganese  | 55-2  | 28.31     | 28.53     | 27.85    | 28.23      | 1.23    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:26:59 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 613.49   | 609.95   | 605.20   | 609.55     | 0.68    | ppb   |
| Molybdenum | 95-1  | 1975.74  | 1981.21  | 1973.15  | 1976.70    | 0.21    | ppb   |
| Molybdenum | 96-1  | 1659.57  | 1641.46  | 1674.59  | 1658.54    | 1.00    | ppb   |
| Molybdenum | 97-1  | 1895.12  | 1882.23  | 1896.62  | 1891.33    | 0.42    | ppb   |
| Molybdenum | 98-1  | 1963.04  | 1949.72  | 1940.84  | 1951.20    | 0.57    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 24.81    | 25.42    | 24.18    | 24.80      | 2.51    | ppb   |
| Phosphorus | 31-2  | 94874.12 | 97901.11 | 94085.22 | 95620.15   | 2.11    | ppb   |
| Potassium  | 39-2  | 94835.09 | 98537.15 | 93057.11 | 95476.45   | 2.93    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 17.13    | 20.30    | 18.16    | 18.53      | 8.70    | ppb   |
| Selenium   | 78-2  | 19.20    | 21.68    | 23.25    | 21.38      | 9.55    | ppb   |
| Selenium   | 82-1  | 19.93    | 19.79    | 20.69    | 20.14      | 2.40    | ppb   |
| Silicon    | 28-1  | 79.88    | 79.83    | 77.56    | 79.09      | 1.67    | ppb   |
| Silver     | 109-1 | 19.92    | 20.02    | 20.12    | 20.02      | 0.49    | ppb   |
| Silver     | 107-1 | 20.30    | 20.04    | 19.87    | 20.07      | 1.08    | ppb   |
| Sodium     | 23-2  | 97175.44 | 99209.06 | 95833.94 | 97406.15   | 1.74    | ppb   |
| Strontium  | 86-1  | 69.54    | 69.79    | 69.69    | 69.67      | 0.18    | ppb   |
| Strontium  | 88-1  | 69.15    | 69.55    | 69.09    | 69.26      | 0.36    | ppb   |
| Sulfur     | 34-1  | 99212.38 | 99790.65 | 98421.83 | 99141.62   | 0.69    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 20.71    | 21.08    | 20.92    | 20.90      | 0.87    | ppb   |
| Thallium   | 205-1 | 21.18    | 20.96    | 21.47    | 21.20      | 1.21    | ppb   |
| Tin        | 118-1 | 35.31    | 35.67    | 35.18    | 35.39      | 0.71    | ppb   |
| Titanium   | 47-1  | 1971.37  | 1960.42  | 1955.24  | 1962.35    | 0.42    | ppb   |
| Uranium    | 238-1 | 35.25    | 35.40    | 35.15    | 35.27      | 0.36    | ppb   |
| Vanadium   | 51-2  | 19.88    | 20.63    | 19.91    | 20.14      | 2.11    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 31.84    | 31.87    | 30.32    | 31.34      | 2.83    | ppb   |
| Zirconium  | 90-1  | 35.23    | 34.35    | 34.73    | 34.77      | 1.27    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:26:59 | DataFile Name :   | 015ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 35.45   | 34.38   | 36.08   | 35.30      | 2.44    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV08               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV08               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 15:30:24 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 47319.88  | 48632.01  | 48298.10  | 48083.33   | 1.42    | ppb   |
| Antimony   | 121-1 | 487.30    | 492.72    | 498.96    | 492.99     | 1.18    | ppb   |
| Arsenic    | 75-2  | 488.85    | 504.53    | 493.23    | 495.54     | 1.63    | ppb   |
| Barium     | 135-1 | 2505.77   | 2506.56   | 2519.32   | 2510.55    | 0.30    | ppb   |
| Barium     | 137-1 | 2492.07   | 2483.18   | 2539.96   | 2505.07    | 1.22    | ppb   |
| Beryllium  | 9-1   | 522.10    | 531.65    | 529.36    | 527.70     | 0.94    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 10-1  | 518.55    | 541.98    | 545.95    | 535.50     | 2.76    | ppb   |
| Boron      | 11-1  | 524.65    | 533.20    | 536.78    | 531.54     | 1.17    | ppb   |
| Cadmium    | 111-1 | 493.95    | 492.97    | 494.42    | 493.78     | 0.15    | ppb   |
| Cadmium    | 106-1 | 490.91    | 498.80    | 489.92    | 493.21     | 0.99    | ppb   |
| Cadmium    | 108-1 | 482.22    | 496.08    | 497.46    | 491.92     | 1.71    | ppb   |
| Calcium    | 43-1  | 253112.87 | 253362.33 | 252850.75 | 253108.65  | 0.10    | ppb   |
| Calcium    | 44-1  | 252766.12 | 252898.88 | 251616.72 | 252427.24  | 0.28    | ppb   |
| Chromium   | 52-2  | 500.20    | 509.15    | 510.82    | 506.72     | 1.13    | ppb   |
| Cobalt     | 59-2  | 482.30    | 493.92    | 496.45    | 490.89     | 1.54    | ppb   |
| Copper     | 63-2  | 934.43    | 952.10    | 954.39    | 946.98     | 1.15    | 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 |           |           |           |            |         | %     |
| Holmium    | 165-2 |           |           |           |            |         | %     |
| Indium     | 115-1 |           |           |           |            |         | %     |
| Indium     | 115-2 |           |           |           |            |         | %     |
| Iron       | 56-2  | 119792.75 | 121252.51 | 121186.76 | 120744.01  | 0.68    | ppb   |
| Iron       | 57-2  | 120417.46 | 123841.89 | 123216.66 | 122492.00  | 1.49    | ppb   |
| Lead       | 206-1 | 507.88    | 518.80    | 514.67    | 513.79     | 1.07    | ppb   |
| Lead       | 207-1 | 510.73    | 525.63    | 515.34    | 517.24     | 1.47    | ppb   |
| Lead       | 208-1 | 501.52    | 510.77    | 508.77    | 507.02     | 0.96    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 239233.56 | 240885.52 | 240211.08 | 240110.05  | 0.35    | ppb   |
| Manganese  | 55-2  | 985.64    | 1002.26   | 1005.15   | 997.69     | 1.06    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV08               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV08               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 15:30:24 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 492.03    | 500.59    | 505.73    | 499.45     | 1.38    | ppb   |
| Molybdenum | 95-1  | 512.82    | 515.83    | 519.45    | 516.03     | 0.64    | ppb   |
| Molybdenum | 96-1  | 504.21    | 511.68    | 510.26    | 508.72     | 0.78    | ppb   |
| Molybdenum | 97-1  | 496.86    | 509.33    | 510.13    | 505.44     | 1.47    | ppb   |
| Molybdenum | 98-1  | 489.68    | 505.29    | 504.07    | 499.68     | 1.74    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 482.82    | 494.52    | 494.11    | 490.48     | 1.35    | ppb   |
| Phosphorus | 31-2  | 9981.54   | 10039.20  | 10059.51  | 10026.75   | 0.40    | ppb   |
| Potassium  | 39-2  | 119344.19 | 122530.70 | 122000.73 | 121291.87  | 1.41    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 471.94    | 465.50    | 458.29    | 465.24     | 1.47    | ppb   |
| Selenium   | 78-2  | 487.34    | 500.05    | 483.43    | 490.27     | 1.77    | ppb   |
| Selenium   | 82-1  | 483.62    | 499.60    | 499.14    | 494.12     | 1.84    | ppb   |
| Silicon    | 28-1  | 549.68    | 552.17    | 557.46    | 553.10     | 0.72    | ppb   |
| Silver     | 109-1 | 481.17    | 479.05    | 487.87    | 482.69     | 0.95    | ppb   |
| Silver     | 107-1 | 481.55    | 482.10    | 489.89    | 484.52     | 0.96    | ppb   |
| Sodium     | 23-2  | 244614.31 | 246612.39 | 245684.41 | 245637.04  | 0.41    | ppb   |
| Strontium  | 86-1  | 515.80    | 528.23    | 530.95    | 524.99     | 1.54    | ppb   |
| Strontium  | 88-1  | 507.00    | 520.74    | 527.11    | 518.28     | 1.98    | ppb   |
| Sulfur     | 34-1  | 9406.00   | 9716.91   | 9635.70   | 9586.20    | 1.68    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 497.63    | 510.88    | 504.28    | 504.26     | 1.31    | ppb   |
| Thallium   | 205-1 | 496.46    | 511.70    | 505.11    | 504.42     | 1.51    | ppb   |
| Tin        | 118-1 | 488.85    | 493.74    | 498.72    | 493.77     | 1.00    | ppb   |
| Titanium   | 47-1  | 496.53    | 499.14    | 500.37    | 498.68     | 0.39    | ppb   |
| Uranium    | 238-1 | 497.18    | 509.88    | 503.60    | 503.55     | 1.26    | ppb   |
| Vanadium   | 51-2  | 494.38    | 504.82    | 500.54    | 499.91     | 1.05    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 943.34    | 970.06    | 974.99    | 962.80     | 1.77    | ppb   |
| Zirconium  | 90-1  | 495.52    | 509.28    | 510.82    | 505.21     | 1.67    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV08               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV08               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 15:30:24 | DataFile Name :   | 016CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 498.95  | 513.61  | 510.82  | 507.79     | 1.53    | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : CCB08 Instrumnet Name : P7  
 Client Sample ID : CCB08 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:33:48 DataFile Name : 017CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.34    | 1.53    | 1.49    | 1.12       | 60.46   | ppb   |
| Antimony   | 121-1 | 1.41    | 1.32    | 1.25    | 1.33       | 5.86    | ppb   |
| Arsenic    | 75-2  | 0.10    | 0.07    | 0.13    | 0.10       | 31.92   | ppb   |
| Barium     | 135-1 | 0.05    | 0.09    | 0.04    | 0.06       | 46.65   | ppb   |
| Barium     | 137-1 | 0.03    | 0.02    | 0.05    | 0.03       | 46.71   | ppb   |
| Beryllium  | 9-1   | 0.19    | 0.20    | 0.24    | 0.21       | 13.91   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 15.87   | 14.82   | 12.62   | 14.43      | 11.48   | ppb   |
| Boron      | 11-1  | 16.34   | 15.07   | 14.91   | 15.44      | 5.06    | ppb   |
| Cadmium    | 111-1 | 0.26    | 0.08    | 0.10    | 0.15       | 65.48   | ppb   |
| Cadmium    | 106-1 | 3.38    | 0.90    | 1.14    | 1.81       | 75.52   | ppb   |
| Cadmium    | 108-1 | 0.02    | -0.10   | -0.06   | -0.05      |         | ppb   |
| Calcium    | 43-1  | -0.20   | -2.78   | 0.36    | -0.88      |         | ppb   |
| Calcium    | 44-1  | 59.94   | 58.00   | 57.10   | 58.34      | 2.49    | ppb   |
| Chromium   | 52-2  | -0.05   | 0.00    | -0.04   | -0.03      |         | ppb   |
| Cobalt     | 59-2  | 0.01    | -0.01   | 0.01    | 0.00       | 639.87  | ppb   |
| Copper     | 63-2  | 0.19    | 0.15    | 0.16    | 0.16       | 13.28   | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 4.68    | 5.23    | 5.48    | 5.13       | 7.95    | ppb   |
| Iron       | 57-2  | 6.59    | 7.97    | 4.92    | 6.49       | 23.49   | ppb   |
| Lead       | 206-1 | 0.13    | 0.07    | 0.08    | 0.09       | 36.71   | ppb   |
| Lead       | 207-1 | 0.11    | 0.09    | 0.07    | 0.09       | 22.25   | ppb   |
| Lead       | 208-1 | 0.09    | 0.08    | 0.08    | 0.08       | 8.84    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 4.64    | 5.58    | 5.64    | 5.29       | 10.59   | ppb   |
| Manganese  | 55-2  | 0.01    | 0.00    | 0.00    | 0.00       | 295.16  | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB08               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB08               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:33:48 | DataFile Name :   | 017CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.24    | 0.24    | 0.28    | 0.26       | 9.47    | ppb   |
| Molybdenum | 95-1  | 0.50    | 0.43    | 0.37    | 0.43       | 14.99   | ppb   |
| Molybdenum | 96-1  | 0.46    | 0.45    | 0.39    | 0.43       | 9.10    | ppb   |
| Molybdenum | 97-1  | 0.52    | 0.48    | 0.46    | 0.49       | 6.61    | ppb   |
| Molybdenum | 98-1  | 0.46    | 0.46    | 0.41    | 0.44       | 5.78    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.01    | -0.03   | 0.02    | 0.00       | 2828.86 | ppb   |
| Phosphorus | 31-2  | -4.13   | 2.30    | -12.58  | -4.80      |         | ppb   |
| Potassium  | 39-2  | 52.38   | 54.07   | 59.41   | 55.29      | 6.64    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.73    | 0.00    | 0.24       | 173.21  | ppb   |
| Selenium   | 78-2  | 2.39    | 0.79    | 0.76    | 1.31       | 70.96   | ppb   |
| Selenium   | 82-1  | 0.11    | 0.61    | -0.07   | 0.22       | 165.19  | ppb   |
| Silicon    | 28-1  | 5.52    | 7.20    | 7.61    | 6.78       | 16.38   | ppb   |
| Silver     | 109-1 | 0.06    | 0.06    | 0.06    | 0.06       | 5.26    | ppb   |
| Silver     | 107-1 | 0.07    | 0.04    | 0.06    | 0.06       | 25.98   | ppb   |
| Sodium     | 23-2  | 92.69   | 95.74   | 98.74   | 95.72      | 3.16    | ppb   |
| Strontium  | 86-1  | 0.05    | 0.02    | 0.05    | 0.04       | 43.12   | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 17.27   | ppb   |
| Sulfur     | 34-1  | -610.18 | -488.63 | -542.37 | -547.06    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.14    | 0.09    | 0.10    | 0.11       | 22.64   | ppb   |
| Thallium   | 205-1 | 0.14    | 0.13    | 0.12    | 0.13       | 9.02    | ppb   |
| Tin        | 118-1 | 0.35    | 0.28    | 0.28    | 0.30       | 13.58   | ppb   |
| Titanium   | 47-1  | 0.02    | 0.08    | 0.03    | 0.04       | 70.91   | ppb   |
| Uranium    | 238-1 | 0.02    | 0.02    | 0.02    | 0.02       | 9.31    | ppb   |
| Vanadium   | 51-2  | 0.01    | 0.00    | 0.01    | 0.01       | 71.25   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | -0.70   | -0.52   | -0.69   | -0.64      |         | ppb   |
| Zirconium  | 90-1  | 0.13    | 0.14    | 0.12    | 0.13       | 5.41    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB08               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB08               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:33:48 | DataFile Name :   | 017CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.11    | 0.15    | 0.11    | 0.12       | 18.83   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:37:14 | DataFile Name :   | 018SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 18.88   | 18.24   | 19.20   | 18.77      | 2.60    | ppb   |
| Antimony   | 121-1 | 2.28    | 2.39    | 2.31    | 2.33       | 2.38    | ppb   |
| Arsenic    | 75-2  | 1.08    | 1.12    | 0.92    | 1.04       | 9.98    | ppb   |
| Barium     | 135-1 | 9.62    | 9.32    | 9.46    | 9.47       | 1.56    | ppb   |
| Barium     | 137-1 | 9.69    | 9.65    | 9.68    | 9.67       | 0.22    | ppb   |
| Beryllium  | 9-1   | 1.10    | 1.10    | 1.22    | 1.14       | 6.04    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 30.30   | 29.30   | 29.80   | 29.80      | 1.67    | ppb   |
| Boron      | 11-1  | 27.59   | 28.34   | 28.44   | 28.12      | 1.64    | ppb   |
| Cadmium    | 111-1 | 1.02    | 1.12    | 0.99    | 1.04       | 6.52    | ppb   |
| Cadmium    | 106-1 | 1.62    | 2.89    | 1.55    | 2.02       | 37.28   | ppb   |
| Cadmium    | 108-1 | 0.83    | 0.61    | 1.05    | 0.83       | 25.99   | ppb   |
| Calcium    | 43-1  | 493.08  | 466.54  | 484.73  | 481.45     | 2.82    | ppb   |
| Calcium    | 44-1  | 521.43  | 513.37  | 502.51  | 512.44     | 1.85    | ppb   |
| Chromium   | 52-2  | 1.84    | 1.84    | 1.89    | 1.86       | 1.49    | ppb   |
| Cobalt     | 59-2  | 0.97    | 1.01    | 0.98    | 0.99       | 2.13    | ppb   |
| Copper     | 63-2  | 2.07    | 1.98    | 2.04    | 2.03       | 2.37    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 54.03   | 54.27   | 55.22   | 54.50      | 1.16    | ppb   |
| Iron       | 57-2  | 54.64   | 55.51   | 51.54   | 53.90      | 3.88    | ppb   |
| Lead       | 206-1 | 1.03    | 1.04    | 1.11    | 1.06       | 3.88    | ppb   |
| Lead       | 207-1 | 1.04    | 1.00    | 0.98    | 1.01       | 2.87    | ppb   |
| Lead       | 208-1 | 1.02    | 1.03    | 1.04    | 1.03       | 0.96    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 470.34  | 465.59  | 467.04  | 467.65     | 0.52    | ppb   |
| Manganese  | 55-2  | 1.02    | 1.10    | 0.94    | 1.02       | 7.63    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:37:14 | DataFile Name :   | 018SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 2.35    | 2.25    | 2.18    | 2.26       | 3.67    | ppb   |
| Molybdenum | 95-1  | 4.77    | 4.60    | 4.62    | 4.66       | 1.95    | ppb   |
| Molybdenum | 96-1  | 4.13    | 4.19    | 4.11    | 4.14       | 0.97    | ppb   |
| Molybdenum | 97-1  | 4.75    | 4.66    | 4.77    | 4.73       | 1.22    | ppb   |
| Molybdenum | 98-1  | 4.67    | 4.50    | 4.73    | 4.63       | 2.60    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.99    | 1.07    | 1.03    | 1.03       | 3.84    | ppb   |
| Phosphorus | 31-2  | 2.58    | 17.84   | 4.88    | 8.43       | 97.56   | ppb   |
| Potassium  | 39-2  | 503.02  | 494.31  | 504.67  | 500.67     | 1.11    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 2.92    | 7.34    | 2.94    | 4.40       | 57.79   | ppb   |
| Selenium   | 78-2  | 4.93    | 4.84    | 4.73    | 4.83       | 2.06    | ppb   |
| Selenium   | 82-1  | 5.74    | 4.83    | 4.69    | 5.09       | 11.24   | ppb   |
| Silicon    | 28-1  | 21.19   | 21.74   | 19.23   | 20.72      | 6.38    | ppb   |
| Silver     | 109-1 | 1.11    | 1.06    | 1.06    | 1.08       | 2.52    | ppb   |
| Silver     | 107-1 | 1.13    | 1.07    | 1.03    | 1.08       | 4.69    | ppb   |
| Sodium     | 23-2  | 559.73  | 546.87  | 557.50  | 554.70     | 1.24    | ppb   |
| Strontium  | 86-1  | 0.98    | 0.95    | 1.14    | 1.02       | 10.18   | ppb   |
| Strontium  | 88-1  | 0.97    | 0.93    | 0.97    | 0.96       | 2.23    | ppb   |
| Sulfur     | 34-1  | -501.53 | -640.64 | -931.15 | -691.11    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.95    | 0.96    | 0.99    | 0.97       | 2.18    | ppb   |
| Thallium   | 205-1 | 1.01    | 0.96    | 1.02    | 0.99       | 3.48    | ppb   |
| Tin        | 118-1 | 4.92    | 4.85    | 4.71    | 4.82       | 2.21    | ppb   |
| Titanium   | 47-1  | 4.12    | 4.73    | 4.40    | 4.42       | 6.86    | ppb   |
| Uranium    | 238-1 | 0.88    | 0.90    | 0.91    | 0.89       | 1.73    | ppb   |
| Vanadium   | 51-2  | 4.54    | 4.51    | 4.62    | 4.56       | 1.19    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 1.51    | 1.65    | 1.41    | 1.52       | 7.73    | ppb   |
| Zirconium  | 90-1  | 1.15    | 1.17    | 1.12    | 1.14       | 2.32    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:37:14 | DataFile Name :   | 018SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 1.16    | 1.12    | 1.15    | 1.14       | 1.85    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-01DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q30DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:46:14 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 11339.13  | 11431.67  | 11325.64  | 11365.48   | 0.51    | ppb   |
| Antimony   | 121-1 | 2.02      | 1.91      | 1.85      | 1.93       | 4.67    | ppb   |
| Arsenic    | 75-2  | 15.00     | 14.12     | 14.59     | 14.57      | 3.03    | ppb   |
| Barium     | 135-1 | 594.39    | 578.25    | 577.82    | 583.49     | 1.62    | ppb   |
| Barium     | 137-1 | 579.30    | 570.27    | 581.58    | 577.05     | 1.04    | ppb   |
| Beryllium  | 9-1   | 1.33      | 1.37      | 1.44      | 1.38       | 4.12    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 10-1  | 17.58     | 16.60     | 19.28     | 17.82      | 7.61    | ppb   |
| Boron      | 11-1  | 17.44     | 17.14     | 16.69     | 17.09      | 2.19    | ppb   |
| Cadmium    | 111-1 | 4.65      | 4.46      | 4.67      | 4.60       | 2.48    | ppb   |
| Cadmium    | 106-1 | 5.33      | 5.89      | 6.89      | 6.03       | 13.06   | ppb   |
| Cadmium    | 108-1 | 4.80      | 4.55      | 4.20      | 4.52       | 6.62    | ppb   |
| Calcium    | 43-1  | 108480.29 | 108355.41 | 108948.14 | 108594.61  | 0.29    | ppb   |
| Calcium    | 44-1  | 108885.32 | 110177.48 | 109318.18 | 109460.32  | 0.60    | ppb   |
| Chromium   | 52-2  | 31.71     | 31.85     | 31.60     | 31.72      | 0.40    | ppb   |
| Cobalt     | 59-2  | 10.86     | 11.00     | 11.03     | 10.96      | 0.81    | ppb   |
| Copper     | 63-2  | 75.45     | 76.80     | 75.13     | 75.79      | 1.17    | 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 |           |           |           |            |         | %     |
| Holmium    | 165-2 |           |           |           |            |         | %     |
| Indium     | 115-1 |           |           |           |            |         | %     |
| Indium     | 115-2 |           |           |           |            |         | %     |
| Iron       | 56-2  | 26106.48  | 26016.69  | 25361.18  | 25828.12   | 1.58    | ppb   |
| Iron       | 57-2  | 25698.68  | 26033.79  | 25476.68  | 25736.38   | 1.09    | ppb   |
| Lead       | 206-1 | 431.57    | 433.22    | 431.20    | 432.00     | 0.25    | ppb   |
| Lead       | 207-1 | 404.11    | 400.46    | 404.47    | 403.01     | 0.55    | ppb   |
| Lead       | 208-1 | 402.52    | 403.42    | 404.62    | 403.52     | 0.26    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 6657.28   | 6659.30   | 6606.62   | 6641.07    | 0.45    | ppb   |
| Manganese  | 55-2  | 937.12    | 941.51    | 928.65    | 935.76     | 0.70    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-01DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q30DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:46:14 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 1.88    | 1.82    | 1.74    | 1.81       | 3.92    | ppb   |
| Molybdenum | 95-1  | 2.28    | 2.21    | 2.34    | 2.28       | 2.66    | ppb   |
| Molybdenum | 96-1  | 2.23    | 2.27    | 2.02    | 2.17       | 6.03    | ppb   |
| Molybdenum | 97-1  | 2.34    | 2.27    | 2.35    | 2.32       | 1.83    | ppb   |
| Molybdenum | 98-1  | 2.24    | 2.18    | 2.32    | 2.25       | 3.09    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 111.17  | 112.02  | 111.08  | 111.42     | 0.47    | ppb   |
| Phosphorus | 31-2  | 1747.92 | 1767.34 | 1724.21 | 1746.49    | 1.24    | ppb   |
| Potassium  | 39-2  | 2782.34 | 2802.70 | 2756.46 | 2780.50    | 0.83    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 12.68   | 20.49   | 13.33   | 15.50      | 27.97   | ppb   |
| Selenium   | 78-2  | 3.66    | 5.69    | 4.33    | 4.56       | 22.73   | ppb   |
| Selenium   | 82-1  | 1.08    | 1.81    | 2.08    | 1.66       | 31.25   | ppb   |
| Silicon    | 28-1  | 5659.81 | 5364.38 | 5413.97 | 5479.39    | 2.89    | ppb   |
| Silver     | 109-1 | 1.31    | 1.35    | 1.41    | 1.36       | 3.64    | ppb   |
| Silver     | 107-1 | 1.34    | 1.27    | 1.32    | 1.31       | 2.59    | ppb   |
| Sodium     | 23-2  | 370.17  | 377.03  | 368.25  | 371.82     | 1.24    | ppb   |
| Strontium  | 86-1  | 284.94  | 285.68  | 285.52  | 285.38     | 0.14    | ppb   |
| Strontium  | 88-1  | 289.10  | 287.96  | 286.41  | 287.82     | 0.47    | ppb   |
| Sulfur     | 34-1  | -114.47 | -53.75  | -126.25 | -98.16     |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.43    | 0.45    | 0.41    | 0.43       | 4.63    | ppb   |
| Thallium   | 205-1 | 0.46    | 0.41    | 0.42    | 0.43       | 5.64    | ppb   |
| Tin        | 118-1 | 4.60    | 4.37    | 4.82    | 4.60       | 4.91    | ppb   |
| Titanium   | 47-1  | 208.47  | 203.43  | 206.71  | 206.20     | 1.24    | ppb   |
| Uranium    | 238-1 | 2.41    | 2.36    | 2.38    | 2.38       | 0.97    | ppb   |
| Vanadium   | 51-2  | 54.33   | 55.17   | 54.57   | 54.69      | 0.79    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 901.04  | 907.40  | 884.32  | 897.58     | 1.33    | ppb   |
| Zirconium  | 90-1  | 1.64    | 1.50    | 1.60    | 1.58       | 4.51    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-01DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q30DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:46:14 | DataFile Name :   | 019SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 1.68    | 1.62    | 1.51    | 1.60       | 5.24    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-03DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q33DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:49:39 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 13640.09 | 13720.09 | 13976.15 | 13778.77   | 1.27    | ppb   |
| Antimony   | 121-1 | 4.07     | 4.29     | 4.01     | 4.12       | 3.61    | ppb   |
| Arsenic    | 75-2  | 136.14   | 134.77   | 138.40   | 136.44     | 1.34    | ppb   |
| Barium     | 135-1 | 781.88   | 793.41   | 780.15   | 785.15     | 0.92    | ppb   |
| Barium     | 137-1 | 764.91   | 770.87   | 768.74   | 768.17     | 0.39    | ppb   |
| Beryllium  | 9-1   | 1.70     | 1.69     | 1.57     | 1.66       | 4.33    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 41.53    | 42.84    | 39.17    | 41.18      | 4.52    | ppb   |
| Boron      | 11-1  | 40.43    | 41.24    | 42.58    | 41.42      | 2.62    | ppb   |
| Cadmium    | 111-1 | 10.18    | 10.42    | 9.72     | 10.11      | 3.50    | ppb   |
| Cadmium    | 106-1 | 10.30    | 12.75    | 12.42    | 11.82      | 11.22   | ppb   |
| Cadmium    | 108-1 | 9.34     | 10.68    | 10.54    | 10.19      | 7.23    | ppb   |
| Calcium    | 43-1  | 90376.13 | 89725.56 | 92672.28 | 90924.66   | 1.70    | ppb   |
| Calcium    | 44-1  | 91796.61 | 90947.25 | 93563.31 | 92102.39   | 1.45    | ppb   |
| Chromium   | 52-2  | 45.44    | 45.29    | 46.30    | 45.68      | 1.19    | ppb   |
| Cobalt     | 59-2  | 14.12    | 14.31    | 14.49    | 14.31      | 1.31    | ppb   |
| Copper     | 63-2  | 242.02   | 243.85   | 248.66   | 244.84     | 1.40    | 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 |          |          |          |            |         | %     |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 29268.13 | 30176.46 | 30073.31 | 29839.30   | 1.67    | ppb   |
| Iron       | 57-2  | 29168.39 | 29761.81 | 30243.53 | 29724.57   | 1.81    | ppb   |
| Lead       | 206-1 | 1103.20  | 1057.69  | 1100.52  | 1087.14    | 2.35    | ppb   |
| Lead       | 207-1 | 959.94   | 945.23   | 949.94   | 951.70     | 0.79    | ppb   |
| Lead       | 208-1 | 1027.86  | 1002.08  | 1019.51  | 1016.49    | 1.29    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 9240.96  | 9333.36  | 9443.89  | 9339.40    | 1.09    | ppb   |
| Manganese  | 55-2  | 1025.60  | 1048.14  | 1059.34  | 1044.36    | 1.65    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-03DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q33DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:49:39 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 2.56    | 2.39    | 2.54    | 2.50       | 3.71    | ppb   |
| Molybdenum | 95-1  | 4.31    | 4.32    | 4.17    | 4.27       | 1.94    | ppb   |
| Molybdenum | 96-1  | 3.85    | 3.99    | 3.99    | 3.94       | 1.97    | ppb   |
| Molybdenum | 97-1  | 4.12    | 4.27    | 4.37    | 4.26       | 2.96    | ppb   |
| Molybdenum | 98-1  | 4.13    | 4.09    | 4.25    | 4.15       | 1.95    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 45.78   | 46.29   | 47.11   | 46.39      | 1.45    | ppb   |
| Phosphorus | 31-2  | 6145.56 | 6412.63 | 6111.74 | 6223.31    | 2.65    | ppb   |
| Potassium  | 39-2  | 7567.38 | 7569.96 | 7675.53 | 7604.29    | 0.81    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 26.07   | 21.32   | 24.98   | 24.12      | 10.33   | ppb   |
| Selenium   | 78-2  | 5.31    | 4.56    | 6.39    | 5.42       | 16.96   | ppb   |
| Selenium   | 82-1  | 3.74    | 3.79    | 4.57    | 4.03       | 11.53   | ppb   |
| Silicon    | 28-1  | 5635.65 | 5357.78 | 5782.96 | 5592.13    | 3.86    | ppb   |
| Silver     | 109-1 | 2.54    | 2.74    | 2.60    | 2.63       | 4.02    | ppb   |
| Silver     | 107-1 | 2.69    | 2.61    | 2.61    | 2.64       | 1.74    | ppb   |
| Sodium     | 23-2  | 1076.03 | 1101.87 | 1108.96 | 1095.62    | 1.58    | ppb   |
| Strontium  | 86-1  | 462.17  | 464.24  | 460.26  | 462.23     | 0.43    | ppb   |
| Strontium  | 88-1  | 464.50  | 462.29  | 471.48  | 466.09     | 1.03    | ppb   |
| Sulfur     | 34-1  | 631.01  | 498.56  | 618.71  | 582.76     | 12.56   | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.83    | 0.80    | 0.87    | 0.83       | 3.81    | ppb   |
| Thallium   | 205-1 | 0.86    | 0.79    | 0.79    | 0.81       | 4.65    | ppb   |
| Tin        | 118-1 | 12.04   | 12.26   | 11.87   | 12.06      | 1.63    | ppb   |
| Titanium   | 47-1  | 223.89  | 217.21  | 224.44  | 221.85     | 1.82    | ppb   |
| Uranium    | 238-1 | 5.80    | 5.69    | 5.79    | 5.76       | 1.08    | ppb   |
| Vanadium   | 51-2  | 56.22   | 57.41   | 58.73   | 57.45      | 2.19    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 1859.31 | 1867.60 | 1914.33 | 1880.41    | 1.58    | ppb   |
| Zirconium  | 90-1  | 1.70    | 1.87    | 1.80    | 1.79       | 4.72    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-03DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q33DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:49:39 | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 1.56    | 1.74    | 1.62    | 1.64       | 5.49    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-14DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q44DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:53:03 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 13295.94 | 13059.09 | 12976.28 | 13110.44   | 1.27    | ppb   |
| Antimony   | 121-1 | 1.13     | 1.12     | 1.18     | 1.14       | 2.64    | ppb   |
| Arsenic    | 75-2  | 24.19    | 24.45    | 23.77    | 24.14      | 1.42    | ppb   |
| Barium     | 135-1 | 228.88   | 228.60   | 226.61   | 228.03     | 0.54    | ppb   |
| Barium     | 137-1 | 228.22   | 227.48   | 226.49   | 227.39     | 0.38    | ppb   |
| Beryllium  | 9-1   | 1.19     | 1.01     | 1.11     | 1.10       | 8.17    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 10-1  | 12.94    | 14.62    | 14.71    | 14.09      | 7.08    | ppb   |
| Boron      | 11-1  | 13.60    | 13.65    | 13.79    | 13.68      | 0.73    | ppb   |
| Cadmium    | 111-1 | 2.00     | 1.98     | 1.95     | 1.98       | 1.40    | ppb   |
| Cadmium    | 106-1 | 3.35     | 2.37     | 2.25     | 2.66       | 22.67   | ppb   |
| Cadmium    | 108-1 | 1.51     | 1.69     | 1.38     | 1.53       | 10.21   | ppb   |
| Calcium    | 43-1  | 10002.98 | 9825.30  | 9680.44  | 9836.24    | 1.64    | ppb   |
| Calcium    | 44-1  | 9696.74  | 9626.23  | 9642.15  | 9655.04    | 0.38    | ppb   |
| Chromium   | 52-2  | 14.21    | 14.05    | 13.63    | 13.96      | 2.12    | ppb   |
| Cobalt     | 59-2  | 10.38    | 10.31    | 10.17    | 10.29      | 1.06    | ppb   |
| Copper     | 63-2  | 37.81    | 38.11    | 37.77    | 37.90      | 0.49    | 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 |          |          |          |            |         | %     |
| Holmium    | 165-2 |          |          |          |            |         | %     |
| Indium     | 115-1 |          |          |          |            |         | %     |
| Indium     | 115-2 |          |          |          |            |         | %     |
| Iron       | 56-2  | 21012.07 | 20905.26 | 20727.47 | 20881.60   | 0.69    | ppb   |
| Iron       | 57-2  | 20674.56 | 20837.86 | 20541.29 | 20684.57   | 0.72    | ppb   |
| Lead       | 206-1 | 73.76    | 71.83    | 71.38    | 72.32      | 1.75    | ppb   |
| Lead       | 207-1 | 67.33    | 67.35    | 67.40    | 67.36      | 0.06    | ppb   |
| Lead       | 208-1 | 69.10    | 68.43    | 67.71    | 68.41      | 1.02    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 5575.80  | 5614.80  | 5573.84  | 5588.15    | 0.41    | ppb   |
| Manganese  | 55-2  | 484.73   | 485.03   | 478.77   | 482.84     | 0.73    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-14DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q44DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:53:03 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 1.23    | 1.40    | 1.23    | 1.29       | 7.60    | ppb   |
| Molybdenum | 95-1  | 1.45    | 1.56    | 1.57    | 1.53       | 4.52    | ppb   |
| Molybdenum | 96-1  | 1.41    | 1.53    | 1.47    | 1.47       | 3.79    | ppb   |
| Molybdenum | 97-1  | 1.46    | 1.56    | 1.57    | 1.53       | 3.94    | ppb   |
| Molybdenum | 98-1  | 1.59    | 1.53    | 1.62    | 1.58       | 2.95    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 42.07   | 41.60   | 42.08   | 41.91      | 0.66    | ppb   |
| Phosphorus | 31-2  | 1267.97 | 1245.20 | 1187.01 | 1233.39    | 3.39    | ppb   |
| Potassium  | 39-2  | 3186.44 | 3222.90 | 3197.92 | 3202.42    | 0.58    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 12.27   | 17.18   | 13.66   | 14.37      | 17.62   | ppb   |
| Selenium   | 78-2  | 2.64    | 3.78    | 3.33    | 3.25       | 17.76   | ppb   |
| Selenium   | 82-1  | 0.68    | 1.35    | 0.86    | 0.96       | 35.69   | ppb   |
| Silicon    | 28-1  | 5486.35 | 5466.75 | 5367.90 | 5440.34    | 1.17    | ppb   |
| Silver     | 109-1 | 0.48    | 0.50    | 0.51    | 0.50       | 2.64    | ppb   |
| Silver     | 107-1 | 0.52    | 0.51    | 0.50    | 0.51       | 1.45    | ppb   |
| Sodium     | 23-2  | 634.00  | 628.49  | 623.73  | 628.74     | 0.82    | ppb   |
| Strontium  | 86-1  | 88.74   | 88.61   | 90.50   | 89.28      | 1.18    | ppb   |
| Strontium  | 88-1  | 88.68   | 89.34   | 88.96   | 88.99      | 0.38    | ppb   |
| Sulfur     | 34-1  | -631.15 | -580.35 | -872.25 | -694.58    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.38    | 0.42    | 0.40    | 0.40       | 4.96    | ppb   |
| Thallium   | 205-1 | 0.40    | 0.40    | 0.41    | 0.40       | 1.29    | ppb   |
| Tin        | 118-1 | 1.01    | 1.02    | 1.00    | 1.01       | 1.20    | ppb   |
| Titanium   | 47-1  | 89.69   | 89.20   | 89.76   | 89.55      | 0.34    | ppb   |
| Uranium    | 238-1 | 1.51    | 1.53    | 1.51    | 1.52       | 0.77    | ppb   |
| Vanadium   | 51-2  | 40.99   | 40.45   | 39.92   | 40.45      | 1.32    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 120.70  | 122.39  | 121.84  | 121.64     | 0.71    | ppb   |
| Zirconium  | 90-1  | 1.10    | 1.11    | 1.08    | 1.10       | 1.40    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-14DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q44DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:53:03 | DataFile Name :   | 021SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 1.14    | 1.12    | 1.07    | 1.11       | 3.26    | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : PB103518BL Instrumnet Name : P7  
 Client Sample ID : PB103518BL Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:56:28 DataFile Name : 022SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.62    | -0.41   | 0.19    | 0.13       | 390.63  | ppb   |
| Antimony   | 121-1 | 0.03    | 0.04    | 0.04    | 0.04       | 16.15   | ppb   |
| Arsenic    | 75-2  | 0.06    | 0.06    | 0.06    | 0.06       | 8.01    | ppb   |
| Barium     | 135-1 | 0.04    | 0.05    | 0.01    | 0.03       | 51.36   | ppb   |
| Barium     | 137-1 | 0.01    | 0.01    | 0.05    | 0.02       | 96.36   | ppb   |
| Beryllium  | 9-1   | 0.04    | 0.05    | 0.05    | 0.05       | 19.67   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 2.50    | 2.59    | 2.91    | 2.66       | 8.07    | ppb   |
| Boron      | 11-1  | 2.91    | 2.42    | 2.24    | 2.52       | 13.64   | ppb   |
| Cadmium    | 111-1 | 0.08    | -0.01   | -0.04   | 0.01       | 560.97  | ppb   |
| Cadmium    | 106-1 | 1.21    | -0.10   | -0.51   | 0.20       | 450.51  | ppb   |
| Cadmium    | 108-1 | 0.06    | -0.02   | -0.02   | 0.01       | 574.54  | ppb   |
| Calcium    | 43-1  | 3.65    | -3.85   | -1.81   | -0.67      |         | ppb   |
| Calcium    | 44-1  | 34.33   | 30.39   | 35.63   | 33.45      | 8.17    | ppb   |
| Chromium   | 52-2  | -0.02   | -0.06   | -0.04   | -0.04      |         | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.12    | 0.04    | 0.04    | 0.06       | 67.74   | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 1.83    | 1.93    | 1.85    | 1.87       | 2.69    | ppb   |
| Iron       | 57-2  | 4.16    | 2.00    | 4.68    | 3.61       | 39.42   | ppb   |
| Lead       | 206-1 | 0.03    | 0.05    | 0.05    | 0.04       | 25.01   | ppb   |
| Lead       | 207-1 | 0.02    | 0.02    | 0.06    | 0.03       | 61.72   | ppb   |
| Lead       | 208-1 | 0.02    | 0.04    | 0.04    | 0.03       | 20.94   | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | -0.79   | -0.78   | -0.89   | -0.82      |         | ppb   |
| Manganese  | 55-2  | -0.01   | -0.03   | -0.01   | -0.02      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:56:28 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.02     | 0.03     | 0.02     | 0.02       | 33.28   | ppb   |
| Molybdenum | 95-1  | 0.03     | 0.01     | 0.03     | 0.02       | 44.00   | ppb   |
| Molybdenum | 96-1  | 0.02     | 0.02     | 0.04     | 0.02       | 38.30   | ppb   |
| Molybdenum | 97-1  | 0.04     | 0.03     | 0.06     | 0.05       | 32.74   | ppb   |
| Molybdenum | 98-1  | 0.04     | 0.03     | 0.03     | 0.03       | 25.89   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.01    | 0.00     | 0.00     | 0.00       |         | ppb   |
| Phosphorus | 31-2  | -16.58   | -5.12    | -11.77   | -11.16     |         | ppb   |
| Potassium  | 39-2  | 5.70     | 11.58    | 14.29    | 10.52      | 41.72   | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.77     | 0.00     | 0.00     | 0.26       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.54    | 0.59     | 0.61     | 0.22       | 301.95  | ppb   |
| Selenium   | 82-1  | 0.85     | 0.82     | 0.39     | 0.68       | 37.74   | ppb   |
| Silicon    | 28-1  | 2.15     | 2.29     | 4.45     | 2.96       | 43.45   | ppb   |
| Silver     | 109-1 | 0.07     | 0.06     | 0.05     | 0.06       | 18.90   | ppb   |
| Silver     | 107-1 | 0.07     | 0.06     | 0.05     | 0.06       | 15.76   | ppb   |
| Sodium     | 23-2  | 44.26    | 45.71    | 46.13    | 45.37      | 2.16    | ppb   |
| Strontium  | 86-1  | 0.07     | 0.03     | 0.05     | 0.05       | 45.36   | ppb   |
| Strontium  | 88-1  | 0.01     | 0.00     | 0.00     | 0.00       | 75.12   | ppb   |
| Sulfur     | 34-1  | -1914.36 | -1905.77 | -1576.32 | -1798.82   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.00     | -0.01    | -0.01    | -0.01      |         | ppb   |
| Thallium   | 205-1 | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Tin        | 118-1 | 0.03     | 0.03     | 0.01     | 0.02       | 57.97   | ppb   |
| Titanium   | 47-1  | 0.05     | 0.03     | -0.03    | 0.02       | 242.96  | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.00     | 0.00     | 0.00       | 236.69  | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | -0.43    | -0.54    | -0.60    | -0.52      |         | ppb   |
| Zirconium  | 90-1  | 0.00     | -0.01    | -0.01    | -0.01      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:56:28 | DataFile Name :   | 022SMPL.d |

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



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:59:55 | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.64    | 0.02    | 0.18    | 0.28       | 113.81  | ppb   |
| Antimony   | 121-1 | 0.02    | 0.06    | 0.05    | 0.05       | 40.77   | ppb   |
| Arsenic    | 75-2  | 0.01    | 0.01    | 0.06    | 0.03       | 119.84  | ppb   |
| Barium     | 135-1 | 0.09    | 0.13    | 0.08    | 0.10       | 26.38   | ppb   |
| Barium     | 137-1 | 0.11    | 0.08    | 0.07    | 0.09       | 25.63   | ppb   |
| Beryllium  | 9-1   | 0.04    | 0.06    | 0.06    | 0.05       | 18.40   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 3.31    | 2.24    | 2.18    | 2.58       | 24.65   | ppb   |
| Boron      | 11-1  | 2.31    | 2.51    | 2.34    | 2.39       | 4.56    | ppb   |
| Cadmium    | 111-1 | 0.04    | -0.02   | 0.01    | 0.01       | 270.04  | ppb   |
| Cadmium    | 106-1 | 0.49    | -0.33   | 0.09    | 0.08       | 509.49  | ppb   |
| Cadmium    | 108-1 | -0.06   | -0.06   | -0.06   | -0.06      |         | ppb   |
| Calcium    | 43-1  | 24.07   | 16.90   | 10.59   | 17.19      | 39.24   | ppb   |
| Calcium    | 44-1  | 47.83   | 49.64   | 54.37   | 50.61      | 6.67    | ppb   |
| Chromium   | 52-2  | -0.20   | -0.21   | -0.19   | -0.20      |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Copper     | 63-2  | 0.11    | 0.07    | 0.13    | 0.10       | 28.43   | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 1.78    | 2.02    | 1.85    | 1.88       | 6.62    | ppb   |
| Iron       | 57-2  | 0.76    | 3.28    | 2.73    | 2.26       | 58.80   | ppb   |
| Lead       | 206-1 | 496.01  | 486.84  | 500.07  | 494.31     | 1.37    | ppb   |
| Lead       | 207-1 | 497.09  | 487.71  | 503.08  | 495.96     | 1.56    | ppb   |
| Lead       | 208-1 | 497.16  | 492.29  | 502.51  | 497.32     | 1.03    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1.28    | 0.70    | -0.03   | 0.65       | 100.43  | ppb   |
| Manganese  | 55-2  | 0.32    | 0.31    | 0.31    | 0.32       | 1.87    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:59:55 | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.02     | 0.00     | 0.04     | 0.02       | 92.01   | ppb   |
| Molybdenum | 95-1  | 0.02     | 0.01     | 0.01     | 0.01       | 26.86   | ppb   |
| Molybdenum | 96-1  | 0.01     | 0.01     | 0.01     | 0.01       | 32.69   | ppb   |
| Molybdenum | 97-1  | 0.04     | 0.05     | 0.04     | 0.05       | 10.09   | ppb   |
| Molybdenum | 98-1  | 0.02     | 0.05     | 0.04     | 0.04       | 35.97   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.11     | 0.05     | 0.07     | 0.08       | 42.75   | ppb   |
| Phosphorus | 31-2  | 2.60     | -14.36   | -4.81    | -5.52      |         | ppb   |
| Potassium  | 39-2  | 14.24    | 8.07     | 13.04    | 11.78      | 27.76   | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.16    | -0.92    | -0.67    | -0.58      |         | ppb   |
| Selenium   | 82-1  | 0.62     | 0.60     | -0.33    | 0.30       | 181.73  | ppb   |
| Silicon    | 28-1  | 3.52     | 4.58     | 4.65     | 4.25       | 14.89   | ppb   |
| Silver     | 109-1 | 0.03     | 0.03     | 0.03     | 0.03       | 7.01    | ppb   |
| Silver     | 107-1 | 0.02     | 0.03     | 0.03     | 0.03       | 14.24   | ppb   |
| Sodium     | 23-2  | 41.82    | 40.77    | 42.98    | 41.86      | 2.63    | ppb   |
| Strontium  | 86-1  | 0.11     | 0.06     | 0.06     | 0.08       | 34.97   | ppb   |
| Strontium  | 88-1  | 0.02     | 0.01     | 0.01     | 0.01       | 49.25   | ppb   |
| Sulfur     | 34-1  | -1245.42 | -1309.08 | -1156.69 | -1237.06   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.00     | 0.00     | 0.01     | 0.00       | 343.27  | ppb   |
| Thallium   | 205-1 | 0.01     | 0.01     | 0.00     | 0.00       | 67.89   | ppb   |
| Tin        | 118-1 | -0.01    | 0.01     | -0.01    | 0.00       |         | ppb   |
| Titanium   | 47-1  | 0.09     | 0.00     | -0.02    | 0.02       | 240.15  | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.00     | 0.01     | 0.01       | 54.62   | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 3.58     | 3.26     | 3.58     | 3.47       | 5.27    | ppb   |
| Zirconium  | 90-1  | 0.00     | -0.01    | -0.01    | 0.00       |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:59:55 | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | -0.01   | 0.02    | 0.00    | 0.00       | 1150.20 | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : I5986-01 Instrumnet Name : P7  
 Client Sample ID : XADP-01-GYM-BRG-W3 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:03:21 DataFile Name : 024SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 4.54    | 4.47    | 5.42    | 4.81       | 10.94   | ppb   |
| Antimony   | 121-1 | 0.10    | 0.07    | 0.10    | 0.09       | 16.09   | ppb   |
| Arsenic    | 75-2  | 0.43    | 0.41    | 0.36    | 0.40       | 8.58    | ppb   |
| Barium     | 135-1 | 16.07   | 15.74   | 15.47   | 15.76      | 1.92    | ppb   |
| Barium     | 137-1 | 15.44   | 15.98   | 14.86   | 15.43      | 3.62    | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.01    | 0.06    | 0.03       | 84.16   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 5.14    | 6.39    | 6.03    | 5.85       | 11.01   | ppb   |
| Boron      | 11-1  | 5.77    | 5.87    | 5.73    | 5.79       | 1.20    | ppb   |
| Cadmium    | 111-1 | 0.13    | 0.04    | 0.04    | 0.07       | 73.03   | ppb   |
| Cadmium    | 106-1 | 1.05    | 0.04    | 0.23    | 0.44       | 123.19  | ppb   |
| Cadmium    | 108-1 | 0.24    | 0.01    | 0.28    | 0.18       | 80.93   | ppb   |
| Calcium    | 43-1  | 5951.99 | 5992.09 | 5924.31 | 5956.13    | 0.57    | ppb   |
| Calcium    | 44-1  | 6096.46 | 6017.48 | 6020.44 | 6044.79    | 0.74    | ppb   |
| Chromium   | 52-2  | -0.17   | -0.24   | -0.32   | -0.24      |         | ppb   |
| Cobalt     | 59-2  | 0.15    | 0.18    | 0.14    | 0.15       | 12.52   | ppb   |
| Copper     | 63-2  | 276.46  | 266.45  | 272.73  | 271.88     | 1.86    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 9.70    | 9.67    | 9.39    | 9.59       | 1.79    | ppb   |
| Iron       | 57-2  | 14.46   | 14.65   | 13.36   | 14.16      | 4.91    | ppb   |
| Lead       | 206-1 | 1.95    | 1.98    | 1.86    | 1.93       | 3.26    | ppb   |
| Lead       | 207-1 | 1.78    | 1.84    | 1.67    | 1.76       | 4.80    | ppb   |
| Lead       | 208-1 | 1.84    | 1.85    | 1.72    | 1.81       | 3.96    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1161.05 | 1138.85 | 1129.75 | 1143.22    | 1.41    | ppb   |
| Manganese  | 55-2  | 4.24    | 4.12    | 4.01    | 4.13       | 2.75    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-01-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:03:21 | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.10     | 0.07     | 0.08     | 0.08       | 14.68   | ppb   |
| Molybdenum | 95-1  | 0.06     | 0.05     | 0.05     | 0.05       | 8.39    | ppb   |
| Molybdenum | 96-1  | 0.07     | 0.07     | 0.07     | 0.07       | 4.22    | ppb   |
| Molybdenum | 97-1  | 0.06     | 0.09     | 0.07     | 0.08       | 18.81   | ppb   |
| Molybdenum | 98-1  | 0.04     | 0.05     | 0.06     | 0.05       | 15.53   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 22.54    | 21.94    | 21.93    | 22.14      | 1.58    | ppb   |
| Phosphorus | 31-2  | 426.80   | 440.04   | 403.31   | 423.38     | 4.39    | ppb   |
| Potassium  | 39-2  | 477.65   | 466.90   | 468.11   | 470.89     | 1.25    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.52     | -0.02    | 0.20     | 0.24       | 115.44  | ppb   |
| Selenium   | 82-1  | 0.42     | 0.33     | 0.71     | 0.48       | 41.71   | ppb   |
| Silicon    | 28-1  | 914.91   | 905.89   | 911.62   | 910.81     | 0.50    | ppb   |
| Silver     | 109-1 | 0.08     | 0.07     | 0.08     | 0.07       | 10.25   | ppb   |
| Silver     | 107-1 | 0.08     | 0.12     | 0.08     | 0.09       | 24.27   | ppb   |
| Sodium     | 23-2  | 10660.72 | 10376.53 | 10312.58 | 10449.94   | 1.77    | ppb   |
| Strontium  | 86-1  | 20.02    | 19.86    | 19.89    | 19.92      | 0.44    | ppb   |
| Strontium  | 88-1  | 20.29    | 19.83    | 19.64    | 19.92      | 1.69    | ppb   |
| Sulfur     | 34-1  | -1019.98 | -1070.34 | -1044.31 | -1044.87   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.00     | -0.01    | 0.00     | 0.00       |         | ppb   |
| Thallium   | 205-1 | 0.00     | -0.01    | -0.01    | -0.01      |         | ppb   |
| Tin        | 118-1 | 0.07     | 0.05     | 0.07     | 0.06       | 19.78   | ppb   |
| Titanium   | 47-1  | 0.20     | 0.19     | 0.07     | 0.15       | 47.93   | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       | 174.25  | ppb   |
| Vanadium   | 51-2  | 0.11     | 0.10     | 0.09     | 0.10       | 10.38   | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 379.22   | 369.29   | 370.65   | 373.05     | 1.44    | ppb   |
| Zirconium  | 90-1  | 0.12     | 0.09     | 0.10     | 0.10       | 16.52   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-01-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:03:21 | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.16    | 0.09    | 0.09    | 0.11       | 33.88   | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : I5986-02 Instrumnet Name : P7  
 Client Sample ID : XADP-02-GYM-BRG-W3 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:06:47 DataFile Name : 025SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 10.35   | 10.40   | 9.62    | 10.13      | 4.36    | ppb   |
| Antimony   | 121-1 | 0.06    | 0.08    | 0.07    | 0.07       | 10.71   | ppb   |
| Arsenic    | 75-2  | 0.32    | 0.43    | 0.43    | 0.39       | 16.04   | ppb   |
| Barium     | 135-1 | 15.14   | 14.88   | 15.14   | 15.05      | 0.98    | ppb   |
| Barium     | 137-1 | 14.75   | 14.29   | 14.55   | 14.53      | 1.59    | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.05    | 0.02    | 0.02       | 102.92  | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 4.82    | 5.09    | 5.10    | 5.00       | 3.20    | ppb   |
| Boron      | 11-1  | 5.60    | 5.68    | 6.11    | 5.79       | 4.76    | ppb   |
| Cadmium    | 111-1 | 0.07    | -0.02   | 0.04    | 0.03       | 152.93  | ppb   |
| Cadmium    | 106-1 | 0.74    | -0.36   | 0.21    | 0.20       | 277.74  | ppb   |
| Cadmium    | 108-1 | 0.01    | 0.13    | 0.02    | 0.05       | 125.56  | ppb   |
| Calcium    | 43-1  | 6448.17 | 6442.88 | 6436.27 | 6442.44    | 0.09    | ppb   |
| Calcium    | 44-1  | 6383.18 | 6445.94 | 6490.91 | 6440.01    | 0.84    | ppb   |
| Chromium   | 52-2  | -0.29   | -0.27   | -0.29   | -0.28      |         | ppb   |
| Cobalt     | 59-2  | 0.01    | 0.00    | 0.00    | 0.00       | 241.78  | ppb   |
| Copper     | 63-2  | 205.47  | 203.57  | 205.79  | 204.95     | 0.58    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 25.04   | 24.49   | 24.18   | 24.57      | 1.78    | ppb   |
| Iron       | 57-2  | 29.56   | 25.90   | 24.79   | 26.75      | 9.32    | ppb   |
| Lead       | 206-1 | 0.75    | 0.78    | 0.74    | 0.75       | 2.71    | ppb   |
| Lead       | 207-1 | 0.61    | 0.69    | 0.68    | 0.66       | 6.46    | ppb   |
| Lead       | 208-1 | 0.67    | 0.71    | 0.70    | 0.69       | 3.22    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1159.46 | 1143.86 | 1129.68 | 1144.33    | 1.30    | ppb   |
| Manganese  | 55-2  | 17.45   | 17.19   | 16.57   | 17.07      | 2.65    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-02-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:06:47 | DataFile Name :   | 025SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.07     | 0.07     | 0.08     | 0.07       | 9.38    | ppb   |
| Molybdenum | 95-1  | 0.04     | 0.06     | 0.04     | 0.05       | 23.61   | ppb   |
| Molybdenum | 96-1  | 0.04     | 0.06     | 0.04     | 0.05       | 14.34   | ppb   |
| Molybdenum | 97-1  | 0.08     | 0.04     | 0.05     | 0.06       | 31.91   | ppb   |
| Molybdenum | 98-1  | 0.05     | 0.05     | 0.05     | 0.05       | 3.71    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 1.90     | 1.91     | 1.96     | 1.92       | 1.71    | ppb   |
| Phosphorus | 31-2  | 589.22   | 671.42   | 610.76   | 623.80     | 6.83    | ppb   |
| Potassium  | 39-2  | 479.93   | 463.70   | 483.34   | 475.66     | 2.21    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 1.44     | 0.00     | 0.00     | 0.48       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.27    | -0.59    | 0.38     | -0.16      |         | ppb   |
| Selenium   | 82-1  | 0.57     | 0.69     | 0.01     | 0.42       | 85.47   | ppb   |
| Silicon    | 28-1  | 978.07   | 1006.25  | 1005.56  | 996.63     | 1.61    | ppb   |
| Silver     | 109-1 | 0.04     | 0.02     | 0.03     | 0.03       | 42.32   | ppb   |
| Silver     | 107-1 | 0.02     | 0.02     | 0.03     | 0.02       | 16.64   | ppb   |
| Sodium     | 23-2  | 10466.74 | 10509.74 | 10510.42 | 10495.63   | 0.24    | ppb   |
| Strontium  | 86-1  | 21.07    | 20.62    | 20.75    | 20.82      | 1.12    | ppb   |
| Strontium  | 88-1  | 21.14    | 21.44    | 21.02    | 21.20      | 1.03    | ppb   |
| Sulfur     | 34-1  | -805.85  | -584.76  | -433.25  | -607.95    |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Thallium   | 205-1 | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Tin        | 118-1 | 0.01     | 0.00     | 0.02     | 0.01       | 69.35   | ppb   |
| Titanium   | 47-1  | 0.30     | 0.38     | 0.24     | 0.31       | 22.31   | ppb   |
| Uranium    | 238-1 | 0.01     | 0.01     | 0.01     | 0.01       | 41.51   | ppb   |
| Vanadium   | 51-2  | 0.04     | 0.07     | 0.05     | 0.05       | 22.70   | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 144.42   | 144.52   | 145.25   | 144.73     | 0.31    | ppb   |
| Zirconium  | 90-1  | 0.07     | 0.05     | 0.08     | 0.07       | 26.73   | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-02-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:06:47 | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.06    | 0.10    | 0.08    | 0.08       | 20.67   | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : I5986-03 Instrumnet Name : P7  
 Client Sample ID : XADP-03-GYM-BRG-W2 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:10:14 DataFile Name : 026SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 14.42   | 9.53    | 12.09   | 12.01      | 20.35   | ppb   |
| Antimony   | 121-1 | 0.08    | 0.06    | 0.06    | 0.06       | 15.84   | ppb   |
| Arsenic    | 75-2  | 0.39    | 0.32    | 0.32    | 0.34       | 11.40   | ppb   |
| Barium     | 135-1 | 14.20   | 14.04   | 14.42   | 14.22      | 1.36    | ppb   |
| Barium     | 137-1 | 14.34   | 14.40   | 14.49   | 14.41      | 0.55    | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.03    | 0.02    | 0.02       | 14.40   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 5.65    | 7.04    | 6.77    | 6.49       | 11.35   | ppb   |
| Boron      | 11-1  | 5.60    | 5.71    | 5.99    | 5.77       | 3.54    | ppb   |
| Cadmium    | 111-1 | 0.10    | 0.13    | -0.04   | 0.06       | 138.89  | ppb   |
| Cadmium    | 106-1 | 1.06    | 1.41    | -0.65   | 0.61       | 180.92  | ppb   |
| Cadmium    | 108-1 | 0.17    | 0.06    | 0.06    | 0.09       | 71.25   | ppb   |
| Calcium    | 43-1  | 6525.15 | 6463.89 | 6318.03 | 6435.69    | 1.65    | ppb   |
| Calcium    | 44-1  | 6464.18 | 6501.68 | 6329.63 | 6431.83    | 1.41    | ppb   |
| Chromium   | 52-2  | -0.28   | -0.19   | -0.27   | -0.25      |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.02    | -0.01   | 0.00       | 392.67  | ppb   |
| Copper     | 63-2  | 118.77  | 122.10  | 117.56  | 119.48     | 1.97    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 17.90   | 20.06   | 18.44   | 18.80      | 5.96    | ppb   |
| Iron       | 57-2  | 22.43   | 24.57   | 23.66   | 23.55      | 4.55    | ppb   |
| Lead       | 206-1 | 1.02    | 0.99    | 0.95    | 0.99       | 3.71    | ppb   |
| Lead       | 207-1 | 0.80    | 0.89    | 0.88    | 0.86       | 5.74    | ppb   |
| Lead       | 208-1 | 0.92    | 0.92    | 0.88    | 0.91       | 2.36    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1151.12 | 1177.62 | 1123.51 | 1150.75    | 2.35    | ppb   |
| Manganese  | 55-2  | 9.74    | 10.23   | 9.54    | 9.84       | 3.65    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-03-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:10:14 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.05     | 0.05     | 0.07     | 0.06       | 22.29   | ppb   |
| Molybdenum | 95-1  | 0.07     | 0.05     | 0.05     | 0.06       | 24.51   | ppb   |
| Molybdenum | 96-1  | 0.07     | 0.05     | 0.04     | 0.05       | 25.42   | ppb   |
| Molybdenum | 97-1  | 0.07     | 0.06     | 0.05     | 0.06       | 17.63   | ppb   |
| Molybdenum | 98-1  | 0.05     | 0.07     | 0.04     | 0.05       | 30.56   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 7.13     | 7.35     | 7.35     | 7.28       | 1.76    | ppb   |
| Phosphorus | 31-2  | 626.77   | 619.78   | 582.99   | 609.84     | 3.86    | ppb   |
| Potassium  | 39-2  | 474.85   | 528.81   | 475.47   | 493.04     | 6.28    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.32    | 1.20     | -0.22    | 0.22       | 386.58  | ppb   |
| Selenium   | 82-1  | 0.20     | 0.30     | 0.10     | 0.20       | 51.26   | ppb   |
| Silicon    | 28-1  | 979.77   | 992.07   | 972.80   | 981.55     | 0.99    | ppb   |
| Silver     | 109-1 | 0.02     | 0.02     | 0.02     | 0.02       | 16.87   | ppb   |
| Silver     | 107-1 | 0.02     | 0.02     | 0.02     | 0.02       | 10.25   | ppb   |
| Sodium     | 23-2  | 10438.59 | 10824.01 | 10277.63 | 10513.41   | 2.67    | ppb   |
| Strontium  | 86-1  | 21.02    | 21.62    | 21.23    | 21.29      | 1.44    | ppb   |
| Strontium  | 88-1  | 21.58    | 21.38    | 21.09    | 21.35      | 1.15    | ppb   |
| Sulfur     | 34-1  | -456.61  | -735.92  | -905.09  | -699.20    |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Thallium   | 205-1 | 0.00     | -0.01    | -0.01    | -0.01      |         | ppb   |
| Tin        | 118-1 | -0.01    | 0.00     | -0.01    | -0.01      |         | ppb   |
| Titanium   | 47-1  | 0.35     | 0.29     | 0.38     | 0.34       | 13.48   | ppb   |
| Uranium    | 238-1 | 0.01     | 0.01     | 0.01     | 0.01       | 33.43   | ppb   |
| Vanadium   | 51-2  | 0.06     | 0.07     | 0.07     | 0.07       | 4.93    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 256.12   | 268.04   | 253.75   | 259.30     | 2.95    | ppb   |
| Zirconium  | 90-1  | 0.05     | 0.05     | 0.05     | 0.05       | 4.26    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-03-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:10:14 | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.07    | 0.06    | 0.02    | 0.05       | 51.30   | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : I5986-04 Instrumnet Name : P7  
 Client Sample ID : XADP-04-GYM-BRG-W2 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:13:39 DataFile Name : 027SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 11.26   | 12.07   | 10.94   | 11.42      | 5.09    | ppb   |
| Antimony   | 121-1 | 0.05    | 0.06    | 0.07    | 0.06       | 11.16   | ppb   |
| Arsenic    | 75-2  | 0.38    | 0.38    | 0.48    | 0.41       | 13.34   | ppb   |
| Barium     | 135-1 | 15.02   | 15.08   | 15.06   | 15.05      | 0.20    | ppb   |
| Barium     | 137-1 | 15.40   | 14.80   | 14.71   | 14.97      | 2.50    | ppb   |
| Beryllium  | 9-1   | 0.04    | 0.02    | 0.04    | 0.03       | 45.68   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 5.37    | 6.22    | 4.31    | 5.30       | 18.03   | ppb   |
| Boron      | 11-1  | 5.36    | 5.19    | 4.93    | 5.16       | 4.25    | ppb   |
| Cadmium    | 111-1 | 0.08    | 0.04    | -0.03   | 0.03       | 186.83  | ppb   |
| Cadmium    | 106-1 | 1.03    | 0.42    | -0.64   | 0.27       | 311.94  | ppb   |
| Cadmium    | 108-1 | 0.06    | -0.02   | -0.06   | -0.01      |         | ppb   |
| Calcium    | 43-1  | 6464.46 | 6645.18 | 6521.62 | 6543.76    | 1.41    | ppb   |
| Calcium    | 44-1  | 6388.21 | 6486.58 | 6438.06 | 6437.61    | 0.76    | ppb   |
| Chromium   | 52-2  | -0.25   | -0.24   | -0.26   | -0.25      |         | ppb   |
| Cobalt     | 59-2  | -0.02   | -0.01   | -0.02   | -0.02      |         | ppb   |
| Copper     | 63-2  | 85.40   | 86.30   | 84.94   | 85.54      | 0.81    | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 45.58   | 48.45   | 46.81   | 46.95      | 3.07    | ppb   |
| Iron       | 57-2  | 49.13   | 50.89   | 50.87   | 50.30      | 2.01    | ppb   |
| Lead       | 206-1 | 0.36    | 0.37    | 0.38    | 0.37       | 2.12    | ppb   |
| Lead       | 207-1 | 0.34    | 0.36    | 0.29    | 0.33       | 10.62   | ppb   |
| Lead       | 208-1 | 0.33    | 0.33    | 0.33    | 0.33       | 0.60    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1131.94 | 1134.00 | 1136.35 | 1134.10    | 0.19    | ppb   |
| Manganese  | 55-2  | 14.88   | 15.46   | 14.99   | 15.11      | 2.07    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-04-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:13:39 | DataFile Name :   | 027SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.08     | 0.06     | 0.04     | 0.06       | 28.44   | ppb   |
| Molybdenum | 95-1  | 0.05     | 0.02     | 0.04     | 0.03       | 52.32   | ppb   |
| Molybdenum | 96-1  | 0.04     | 0.04     | 0.05     | 0.04       | 9.40    | ppb   |
| Molybdenum | 97-1  | 0.05     | 0.06     | 0.04     | 0.05       | 17.38   | ppb   |
| Molybdenum | 98-1  | 0.05     | 0.07     | 0.07     | 0.06       | 16.18   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.55     | 0.58     | 0.48     | 0.54       | 9.45    | ppb   |
| Phosphorus | 31-2  | 628.78   | 673.11   | 668.85   | 656.91     | 3.72    | ppb   |
| Potassium  | 39-2  | 478.90   | 460.34   | 474.28   | 471.17     | 2.05    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.73     | 0.00     | 0.00     | 0.24       | 173.21  | ppb   |
| Selenium   | 78-2  | -1.22    | -1.32    | 0.12     | -0.81      |         | ppb   |
| Selenium   | 82-1  | -0.52    | 0.04     | 0.06     | -0.14      |         | ppb   |
| Silicon    | 28-1  | 978.03   | 989.98   | 998.21   | 988.74     | 1.03    | ppb   |
| Silver     | 109-1 | 0.02     | 0.02     | 0.03     | 0.02       | 14.89   | ppb   |
| Silver     | 107-1 | 0.03     | 0.02     | 0.02     | 0.02       | 30.51   | ppb   |
| Sodium     | 23-2  | 10389.70 | 10346.92 | 10215.37 | 10317.33   | 0.88    | ppb   |
| Strontium  | 86-1  | 21.27    | 21.04    | 21.42    | 21.24      | 0.90    | ppb   |
| Strontium  | 88-1  | 21.09    | 21.31    | 21.20    | 21.20      | 0.52    | ppb   |
| Sulfur     | 34-1  | -648.18  | -609.36  | -581.53  | -613.02    |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.00     | -0.01    | 0.00     | 0.00       |         | ppb   |
| Thallium   | 205-1 | 0.00     | 0.00     | -0.01    | 0.00       |         | ppb   |
| Tin        | 118-1 | 0.00     | 0.01     | -0.01    | 0.00       | 437.42  | ppb   |
| Titanium   | 47-1  | 0.34     | 0.34     | 0.39     | 0.36       | 7.56    | ppb   |
| Uranium    | 238-1 | 0.01     | 0.00     | 0.01     | 0.01       | 57.62   | ppb   |
| Vanadium   | 51-2  | 0.09     | 0.09     | 0.09     | 0.09       | 2.41    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 38.28    | 38.57    | 37.84    | 38.23      | 0.96    | ppb   |
| Zirconium  | 90-1  | 0.05     | 0.06     | 0.06     | 0.06       | 9.74    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-04-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:13:39 | DataFile Name :   | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.06    | 0.06    | 0.04    | 0.05       | 25.23   | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV09               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV09               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 16:17:04 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 48315.32  | 49111.35  | 48667.10  | 48697.92   | 0.82    | ppb   |
| Antimony   | 121-1 | 485.24    | 486.57    | 490.95    | 487.59     | 0.61    | ppb   |
| Arsenic    | 75-2  | 500.60    | 490.17    | 491.19    | 493.98     | 1.16    | ppb   |
| Barium     | 135-1 | 2469.64   | 2484.52   | 2505.82   | 2486.66    | 0.73    | ppb   |
| Barium     | 137-1 | 2473.06   | 2452.67   | 2479.22   | 2468.32    | 0.56    | ppb   |
| Beryllium  | 9-1   | 520.07    | 528.66    | 521.02    | 523.25     | 0.90    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 10-1  | 508.36    | 527.18    | 527.40    | 520.98     | 2.10    | ppb   |
| Boron      | 11-1  | 503.41    | 520.66    | 526.49    | 516.85     | 2.32    | ppb   |
| Cadmium    | 111-1 | 486.86    | 489.35    | 496.76    | 490.99     | 1.05    | ppb   |
| Cadmium    | 106-1 | 489.52    | 483.68    | 490.05    | 487.75     | 0.73    | ppb   |
| Cadmium    | 108-1 | 494.54    | 485.36    | 485.88    | 488.59     | 1.06    | ppb   |
| Calcium    | 43-1  | 253035.74 | 259658.33 | 252959.92 | 255217.99  | 1.51    | ppb   |
| Calcium    | 44-1  | 253144.96 | 255317.96 | 254989.20 | 254484.04  | 0.46    | ppb   |
| Chromium   | 52-2  | 511.85    | 513.57    | 508.80    | 511.41     | 0.47    | ppb   |
| Cobalt     | 59-2  | 491.49    | 495.66    | 491.82    | 492.99     | 0.47    | ppb   |
| Copper     | 63-2  | 944.60    | 968.17    | 956.16    | 956.31     | 1.23    | 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 |           |           |           |            |         | %     |
| Holmium    | 165-2 |           |           |           |            |         | %     |
| Indium     | 115-1 |           |           |           |            |         | %     |
| Indium     | 115-2 |           |           |           |            |         | %     |
| Iron       | 56-2  | 122996.96 | 124131.39 | 122623.31 | 123250.55  | 0.64    | ppb   |
| Iron       | 57-2  | 123875.16 | 124753.02 | 122682.54 | 123770.24  | 0.84    | ppb   |
| Lead       | 206-1 | 515.65    | 516.00    | 512.91    | 514.85     | 0.33    | ppb   |
| Lead       | 207-1 | 515.88    | 519.93    | 516.81    | 517.54     | 0.41    | ppb   |
| Lead       | 208-1 | 499.43    | 511.59    | 508.66    | 506.56     | 1.25    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 244024.94 | 247180.00 | 242427.55 | 244544.16  | 0.99    | ppb   |
| Manganese  | 55-2  | 1010.84   | 1015.47   | 1000.82   | 1009.05    | 0.74    | ppb   |



|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV09               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV09               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 16:17:04 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 495.75    | 507.70    | 500.73    | 501.39     | 1.20    | ppb   |
| Molybdenum | 95-1  | 510.84    | 518.02    | 511.65    | 513.50     | 0.77    | ppb   |
| Molybdenum | 96-1  | 505.79    | 512.84    | 506.11    | 508.25     | 0.78    | ppb   |
| Molybdenum | 97-1  | 509.17    | 514.60    | 504.28    | 509.35     | 1.01    | ppb   |
| Molybdenum | 98-1  | 497.93    | 506.41    | 492.81    | 499.05     | 1.38    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 489.21    | 504.62    | 493.24    | 495.69     | 1.61    | ppb   |
| Phosphorus | 31-2  | 10561.77  | 10394.24  | 10021.00  | 10325.67   | 2.68    | ppb   |
| Potassium  | 39-2  | 121122.64 | 123270.46 | 121130.41 | 121841.17  | 1.02    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 491.35    | 467.59    | 464.44    | 474.46     | 3.10    | ppb   |
| Selenium   | 78-2  | 485.88    | 497.62    | 500.57    | 494.69     | 1.57    | ppb   |
| Selenium   | 82-1  | 492.68    | 497.44    | 494.24    | 494.79     | 0.49    | ppb   |
| Silicon    | 28-1  | 544.62    | 560.82    | 548.42    | 551.29     | 1.54    | ppb   |
| Silver     | 109-1 | 474.64    | 478.58    | 479.23    | 477.48     | 0.52    | ppb   |
| Silver     | 107-1 | 479.10    | 480.67    | 477.76    | 479.18     | 0.30    | ppb   |
| Sodium     | 23-2  | 248104.96 | 254124.15 | 247371.38 | 249866.83  | 1.48    | ppb   |
| Strontium  | 86-1  | 517.58    | 528.65    | 520.95    | 522.40     | 1.09    | ppb   |
| Strontium  | 88-1  | 515.73    | 522.45    | 508.13    | 515.44     | 1.39    | ppb   |
| Sulfur     | 34-1  | 9948.32   | 10642.69  | 10125.02  | 10238.68   | 3.52    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 504.54    | 506.81    | 507.23    | 506.19     | 0.29    | ppb   |
| Thallium   | 205-1 | 502.01    | 503.38    | 512.67    | 506.02     | 1.15    | ppb   |
| Tin        | 118-1 | 486.05    | 487.96    | 491.44    | 488.48     | 0.56    | ppb   |
| Titanium   | 47-1  | 495.67    | 505.41    | 500.48    | 500.52     | 0.97    | ppb   |
| Uranium    | 238-1 | 509.13    | 505.17    | 504.95    | 506.42     | 0.47    | ppb   |
| Vanadium   | 51-2  | 506.03    | 508.11    | 501.26    | 505.13     | 0.70    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 974.28    | 974.57    | 968.84    | 972.56     | 0.33    | ppb   |
| Zirconium  | 90-1  | 502.31    | 511.51    | 502.21    | 505.34     | 1.06    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV09               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV09               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 16:17:04 | DataFile Name :   | 028CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 502.14  | 512.56  | 502.34  | 505.68     | 1.18    | ppb   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : CCB09 Instrumnet Name : P7  
 Client Sample ID : CCB09 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:20:27 DataFile Name : 029CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.11    | 1.25    | 0.24    | 0.53       | 116.53  | ppb   |
| Antimony   | 121-1 | 1.33    | 1.28    | 1.22    | 1.27       | 4.45    | ppb   |
| Arsenic    | 75-2  | 0.12    | 0.16    | 0.12    | 0.14       | 16.33   | ppb   |
| Barium     | 135-1 | 0.03    | 0.05    | 0.05    | 0.05       | 24.16   | ppb   |
| Barium     | 137-1 | 0.03    | 0.03    | 0.02    | 0.02       | 23.37   | ppb   |
| Beryllium  | 9-1   | 0.14    | 0.14    | 0.11    | 0.13       | 13.14   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 10-1  | 13.74   | 13.92   | 12.43   | 13.36      | 6.08    | ppb   |
| Boron      | 11-1  | 14.85   | 13.60   | 11.19   | 13.21      | 14.09   | ppb   |
| Cadmium    | 111-1 | 0.23    | 0.11    | 0.14    | 0.16       | 38.41   | ppb   |
| Cadmium    | 106-1 | 2.67    | 0.81    | 1.66    | 1.72       | 54.35   | ppb   |
| Cadmium    | 108-1 | -0.06   | -0.06   | -0.02   | -0.05      |         | ppb   |
| Calcium    | 43-1  | -1.19   | -0.85   | 1.01    | -0.34      |         | ppb   |
| Calcium    | 44-1  | 47.71   | 44.25   | 40.93   | 44.30      | 7.65    | ppb   |
| Chromium   | 52-2  | -0.03   | -0.03   | -0.06   | -0.04      |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 66.83   | ppb   |
| Copper     | 63-2  | 0.06    | 0.04    | 0.04    | 0.05       | 20.24   | 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 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 3.86    | 3.91    | 3.88    | 3.89       | 0.59    | ppb   |
| Iron       | 57-2  | 5.55    | 4.61    | 3.11    | 4.42       | 27.75   | ppb   |
| Lead       | 206-1 | 0.11    | 0.11    | 0.11    | 0.11       | 1.10    | ppb   |
| Lead       | 207-1 | 0.11    | 0.10    | 0.07    | 0.09       | 23.94   | ppb   |
| Lead       | 208-1 | 0.11    | 0.09    | 0.08    | 0.10       | 17.25   | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 3.67    | 4.51    | 2.58    | 3.59       | 27.05   | ppb   |
| Manganese  | 55-2  | -0.02   | 0.03    | -0.01   | 0.00       |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB09               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB09               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:20:27 | DataFile Name :   | 029CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.17    | 0.17    | 0.20    | 0.18       | 8.55    | ppb   |
| Molybdenum | 95-1  | 0.30    | 0.30    | 0.28    | 0.29       | 4.44    | ppb   |
| Molybdenum | 96-1  | 0.24    | 0.26    | 0.22    | 0.24       | 8.42    | ppb   |
| Molybdenum | 97-1  | 0.27    | 0.31    | 0.27    | 0.28       | 7.83    | ppb   |
| Molybdenum | 98-1  | 0.30    | 0.29    | 0.23    | 0.27       | 13.33   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.03   | 0.02    | 0.02    | 0.00       | 1448.30 | ppb   |
| Phosphorus | 31-2  | -8.03   | -14.66  | 0.94    | -7.25      |         | ppb   |
| Potassium  | 39-2  | 41.90   | 30.75   | 26.07   | 32.91      | 24.72   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.12   | 0.51    | 0.27    | 0.22       | 144.20  | ppb   |
| Selenium   | 82-1  | 0.90    | -0.04   | 0.38    | 0.41       | 114.19  | ppb   |
| Silicon    | 28-1  | 5.64    | 6.33    | 4.18    | 5.38       | 20.34   | ppb   |
| Silver     | 109-1 | 0.03    | 0.02    | 0.02    | 0.02       | 42.25   | ppb   |
| Silver     | 107-1 | 0.02    | 0.03    | 0.03    | 0.03       | 10.36   | ppb   |
| Sodium     | 23-2  | 62.77   | 63.56   | 62.42   | 62.92      | 0.93    | ppb   |
| Strontium  | 86-1  | 0.03    | 0.00    | -0.01   | 0.01       | 253.38  | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 322.58  | ppb   |
| Sulfur     | 34-1  | -221.33 | -228.93 | -587.20 | -345.82    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.14    | 0.12    | 0.10    | 0.12       | 17.03   | ppb   |
| Thallium   | 205-1 | 0.15    | 0.12    | 0.10    | 0.12       | 21.73   | ppb   |
| Tin        | 118-1 | 0.29    | 0.32    | 0.35    | 0.32       | 9.62    | ppb   |
| Titanium   | 47-1  | -0.01   | 0.01    | -0.05   | -0.02      |         | ppb   |
| Uranium    | 238-1 | 0.01    | 0.01    | 0.01    | 0.01       | 8.04    | ppb   |
| Vanadium   | 51-2  | 0.02    | 0.02    | 0.00    | 0.01       | 72.99   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | -0.70   | -0.58   | -0.63   | -0.63      |         | ppb   |
| Zirconium  | 90-1  | 0.12    | 0.11    | 0.10    | 0.11       | 11.61   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB09               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB09               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:20:27 | DataFile Name :   | 029CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.13    | 0.13    | 0.10    | 0.12       | 16.09   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:37:49 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 117     | 83      | 83      | 94      | 20.37  | cps   |
| Antimony   | 121-1 | 100     | 100     | 167     | 122     | 31.49  | cps   |
| Arsenic    | 75-2  | 2       | 4       | 0       | 2       | 100.00 | cps   |
| Barium     | 135-1 | 33      | 25      | 17      | 25      | 33.32  | cps   |
| Barium     | 137-1 | 83      | 67      | 75      | 75      | 11.11  | cps   |
| Beryllium  | 9-1   | 44      | 11      | 28      | 28      | 60.01  | cps   |
| Bismuth    | 209-1 | 5523878 | 5511528 | 5542543 | 5525983 | 0.28   | cps   |
| Bismuth    | 209-2 | 3015252 | 3110095 | 3063782 | 3063043 | 1.55   | cps   |
| Boron      | 10-1  | 83      | 83      | 83      | 83      | 0.00   | cps   |
| Boron      | 11-1  | 400     | 417     | 375     | 397     | 5.28   | cps   |
| Cadmium    | 111-1 | 1166    | 1306    | 1214    | 1229    | 5.75   | cps   |
| Cadmium    | 106-1 | 1667    | 1834    | 1734    | 1745    | 4.81   | cps   |
| Cadmium    | 108-1 | 13      | 4       | 17      | 11      | 57.27  | cps   |
| Calcium    | 43-1  | 442     | 475     | 425     | 447     | 5.69   | cps   |
| Calcium    | 44-1  | 32729   | 33355   | 31585   | 32556   | 2.76   | cps   |
| Chromium   | 52-2  | 1303    | 1253    | 1363    | 1307    | 4.22   | cps   |
| Cobalt     | 59-2  | 143     | 127     | 117     | 129     | 10.45  | cps   |
| Copper     | 63-2  | 907     | 920     | 1000    | 942     | 5.36   | cps   |
| Dysprosium | 156-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 7       | 0       | 3       | 3       | 100.05 | cps   |
| Erbium     | 164-1 | 25      | 17      | 25      | 22      | 21.64  | cps   |
| Erbium     | 164-2 | 17      | 13      | 13      | 14      | 13.35  | cps   |
| Gadolinium | 160-1 | 42      | 42      | 50      | 44      | 10.82  | cps   |
| Gadolinium | 160-2 | 50      | 53      | 70      | 58      | 18.55  | cps   |
| Holmium    | 165-1 | 9643060 | 9531896 | 9564191 | 9579716 | 0.60   | cps   |
| Holmium    | 165-2 | 4444057 | 4480460 | 4400310 | 4441609 | 0.90   | cps   |
| Indium     | 115-1 | 7738957 | 7707909 | 7644966 | 7697278 | 0.62   | cps   |
| Indium     | 115-2 | 1324676 | 1359640 | 1325995 | 1336770 | 1.48   | cps   |
| Iron       | 56-2  | 4851    | 4651    | 4801    | 4768    | 2.18   | cps   |
| Iron       | 57-2  | 206     | 206     | 233     | 215     | 7.47   | cps   |
| Lead       | 206-1 | 589     | 739     | 711     | 680     | 11.74  | cps   |
| Lead       | 207-1 | 689     | 589     | 633     | 637     | 7.87   | cps   |
| Lead       | 208-1 | 2772    | 3034    | 2795    | 2867    | 5.05   | cps   |
| Lithium    | 6-1   | 1130594 | 1135535 | 1127481 | 1131203 | 0.36   | cps   |
| Magnesium  | 24-2  | 600     | 575     | 658     | 611     | 7.00   | cps   |
| Manganese  | 55-2  | 87      | 123     | 130     | 113     | 20.59  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:37:49 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 200     | 183     | 117     | 167     | 26.46  | cps   |
| Molybdenum | 95-1  | 58      | 92      | 67      | 72      | 24.02  | cps   |
| Molybdenum | 96-1  | 150     | 142     | 150     | 147     | 3.27   | cps   |
| Molybdenum | 97-1  | 42      | 58      | 50      | 50      | 16.67  | cps   |
| Molybdenum | 98-1  | 75      | 83      | 133     | 97      | 32.45  | cps   |
| Neodymium  | 150-1 | 0       | 13      | 0       | 4       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 90      | 113     | 80      | 94      | 18.12  | cps   |
| Phosphorus | 31-2  | 100     | 108     | 100     | 103     | 4.68   | cps   |
| Potassium  | 39-2  | 25039   | 26107   | 26408   | 25851   | 2.78   | cps   |
| Rhodium    | 103-1 | 7444341 | 7462266 | 7554348 | 7486985 | 0.79   | cps   |
| Rhodium    | 103-2 | 3224703 | 3312650 | 3231519 | 3256291 | 1.50   | cps   |
| Scandium   | 45-1  | 4943616 | 4990725 | 4921141 | 4951827 | 0.72   | cps   |
| Scandium   | 45-2  | 230395  | 237793  | 233100  | 233762  | 1.60   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 52      | 54      | 72      | 59      | 19.01  | cps   |
| Selenium   | 82-1  | 46      | 17      | -29     | 11      | 330.01 | cps   |
| Silicon    | 28-1  | 285012  | 283133  | 284337  | 284161  | 0.33   | cps   |
| Silver     | 109-1 | 42      | 58      | 50      | 50      | 16.67  | cps   |
| Silver     | 107-1 | 92      | 67      | 83      | 81      | 15.80  | cps   |
| Sodium     | 23-2  | 13473   | 12864   | 13840   | 13393   | 3.68   | cps   |
| Strontium  | 86-1  | 492     | 517     | 492     | 500     | 2.89   | cps   |
| Strontium  | 88-1  | 267     | 400     | 317     | 328     | 20.55  | cps   |
| Sulfur     | 34-1  | 375231  | 373408  | 368627  | 372422  | 0.92   | cps   |
| Terbium    | 159-1 | 9872468 | 9797946 | 9877358 | 9849257 | 0.45   | cps   |
| Terbium    | 159-2 | 4398840 | 4549385 | 4427444 | 4458556 | 1.79   | cps   |
| Thallium   | 203-1 | 117     | 108     | 125     | 117     | 7.14   | cps   |
| Thallium   | 205-1 | 283     | 217     | 233     | 244     | 14.19  | cps   |
| Tin        | 118-1 | 542     | 675     | 733     | 650     | 15.12  | cps   |
| Titanium   | 47-1  | 117     | 158     | 125     | 133     | 16.54  | cps   |
| Uranium    | 238-1 | 75      | 92      | 42      | 69      | 36.66  | cps   |
| Vanadium   | 51-2  | 17      | 13      | 0       | 10      | 88.20  | cps   |
| Yttrium    | 89-1  | 8263743 | 8196528 | 8090830 | 8183700 | 1.07   | cps   |
| Yttrium    | 89-2  | 1101500 | 1131937 | 1095551 | 1109663 | 1.76   | cps   |
| Zinc       | 66-2  | 377     | 377     | 397     | 383     | 3.01   | cps   |
| Zirconium  | 90-1  | 658     | 575     | 558     | 597     | 8.97   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:37:49 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 183  | 92   | 100  | 125     | 40.55  | cps   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:45:29 | DataFile Name :   | 005CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 1133    | 1067    | 1133    | 1111    | 3.46   | cps   |
| Antimony   | 121-1 | 11555   | 10880   | 11355   | 11263   | 3.08   | cps   |
| Arsenic    | 75-2  | 254     | 209     | 244     | 236     | 9.95   | cps   |
| Barium     | 135-1 | 12464   | 11580   | 11864   | 11970   | 3.77   | cps   |
| Barium     | 137-1 | 20942   | 20733   | 20950   | 20875   | 0.59   | cps   |
| Beryllium  | 9-1   | 1039    | 967     | 1033    | 1013    | 3.97   | cps   |
| Bismuth    | 209-1 | 5059979 | 4977525 | 5035637 | 5024380 | 0.84   | cps   |
| Bismuth    | 209-2 | 3045220 | 3073201 | 3079174 | 3065865 | 0.59   | cps   |
| Boron      | 10-1  | 3100    | 3334    | 3409    | 3281    | 4.90   | cps   |
| Boron      | 11-1  | 15967   | 16493   | 16785   | 16415   | 2.52   | cps   |
| Cadmium    | 111-1 | 2506    | 2534    | 2562    | 2534    | 1.11   | cps   |
| Cadmium    | 106-1 | 2067    | 1984    | 2050    | 2034    | 2.17   | cps   |
| Cadmium    | 108-1 | 113     | 125     | 117     | 118     | 5.39   | cps   |
| Calcium    | 43-1  | 8494    | 7961    | 8244    | 8233    | 3.24   | cps   |
| Calcium    | 44-1  | 158043  | 157346  | 157304  | 157564  | 0.26   | cps   |
| Chromium   | 52-2  | 5031    | 4921    | 4848    | 4933    | 1.87   | cps   |
| Cobalt     | 59-2  | 2890    | 2920    | 3084    | 2965    | 3.51   | cps   |
| Copper     | 63-2  | 5094    | 5028    | 5218    | 5113    | 1.89   | cps   |
| Dysprosium | 156-1 | 17      | 0       | 8       | 8       | 100.02 | cps   |
| Dysprosium | 156-2 | 0       | 7       | 0       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 8       | 50      | 58      | 39      | 68.89  | cps   |
| Erbium     | 164-2 | 3       | 10      | 10      | 8       | 49.52  | cps   |
| Gadolinium | 160-1 | 42      | 33      | 50      | 42      | 20.00  | cps   |
| Gadolinium | 160-2 | 47      | 73      | 33      | 51      | 39.86  | cps   |
| Holmium    | 165-1 | 8854289 | 8682077 | 8964477 | 8833614 | 1.61   | cps   |
| Holmium    | 165-2 | 4095838 | 4111546 | 4125406 | 4110930 | 0.36   | cps   |
| Indium     | 115-1 | 7202695 | 7062964 | 7346847 | 7204169 | 1.97   | cps   |
| Indium     | 115-2 | 1339580 | 1326309 | 1332381 | 1332756 | 0.50   | cps   |
| Iron       | 56-2  | 77537   | 76376   | 78510   | 77474   | 1.38   | cps   |
| Iron       | 57-2  | 2028    | 2145    | 2111    | 2095    | 2.87   | cps   |
| Lead       | 206-1 | 4356    | 4034    | 4506    | 4299    | 5.61   | cps   |
| Lead       | 207-1 | 4062    | 3984    | 4017    | 4021    | 0.97   | cps   |
| Lead       | 208-1 | 18144   | 17049   | 18350   | 17848   | 3.92   | cps   |
| Lithium    | 6-1   | 1125642 | 1106386 | 1128223 | 1120084 | 1.07   | cps   |
| Magnesium  | 24-2  | 69177   | 68742   | 67586   | 68502   | 1.20   | cps   |
| Manganese  | 55-2  | 1010    | 997     | 970     | 992     | 2.05   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:45:29 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 10854   | 10846   | 11013   | 10905   | 0.86   | cps   |
| Molybdenum | 95-1  | 13799   | 13632   | 13549   | 13660   | 0.93   | cps   |
| Molybdenum | 96-1  | 15000   | 15276   | 15175   | 15150   | 0.92   | cps   |
| Molybdenum | 97-1  | 8611    | 8553    | 8495    | 8553    | 0.68   | cps   |
| Molybdenum | 98-1  | 21192   | 21392   | 21901   | 21495   | 1.70   | cps   |
| Neodymium  | 150-1 | 0       | 0       | 13      | 4       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 940     | 887     | 870     | 899     | 4.07   | cps   |
| Phosphorus | 31-2  | 108     | 83      | 133     | 108     | 23.08  | cps   |
| Potassium  | 39-2  | 86334   | 85881   | 86602   | 86273   | 0.42   | cps   |
| Rhodium    | 103-1 | 7071224 | 6944806 | 7202504 | 7072845 | 1.82   | cps   |
| Rhodium    | 103-2 | 3225925 | 3232049 | 3268735 | 3242236 | 0.71   | cps   |
| Scandium   | 45-1  | 4741957 | 4719328 | 4847245 | 4769510 | 1.43   | cps   |
| Scandium   | 45-2  | 231588  | 231526  | 232294  | 231802  | 0.18   | cps   |
| Selenium   | 77-2  | 10      | 13      | 47      | 23      | 86.91  | cps   |
| Selenium   | 78-2  | 133     | 128     | 137     | 133     | 3.51   | cps   |
| Selenium   | 82-1  | 498     | 553     | 475     | 509     | 7.87   | cps   |
| Silicon    | 28-1  | 338828  | 336874  | 339229  | 338310  | 0.37   | cps   |
| Silver     | 109-1 | 6468    | 6302    | 6402    | 6391    | 1.31   | cps   |
| Silver     | 107-1 | 6802    | 6702    | 6902    | 6802    | 1.47   | cps   |
| Sodium     | 23-2  | 146148  | 145644  | 145358  | 145717  | 0.27   | cps   |
| Strontium  | 86-1  | 2059    | 2217    | 2059    | 2111    | 4.33   | cps   |
| Strontium  | 88-1  | 14249   | 14641   | 14816   | 14569   | 1.99   | cps   |
| Sulfur     | 34-1  | 365246  | 368039  | 369055  | 367446  | 0.54   | cps   |
| Terbium    | 159-1 | 9201173 | 9120433 | 9385263 | 9235623 | 1.47   | cps   |
| Terbium    | 159-2 | 4102058 | 4114904 | 4029922 | 4082295 | 1.12   | cps   |
| Thallium   | 203-1 | 4593    | 4868    | 4543    | 4668    | 3.75   | cps   |
| Thallium   | 205-1 | 11214   | 10746   | 11280   | 11080   | 2.63   | cps   |
| Tin        | 118-1 | 20941   | 21008   | 21267   | 21072   | 0.82   | cps   |
| Titanium   | 47-1  | 3942    | 3801    | 4167    | 3970    | 4.66   | cps   |
| Uranium    | 238-1 | 16436   | 15209   | 15218   | 15621   | 4.52   | cps   |
| Vanadium   | 51-2  | 7332    | 7479    | 7249    | 7353    | 1.58   | cps   |
| Yttrium    | 89-1  | 7637326 | 7617031 | 7882108 | 7712155 | 1.91   | cps   |
| Yttrium    | 89-2  | 1104656 | 1106722 | 1115867 | 1109082 | 0.54   | cps   |
| Zinc       | 66-2  | 1047    | 987     | 1030    | 1021    | 3.03   | cps   |
| Zirconium  | 90-1  | 9896    | 9495    | 9345    | 9579    | 2.97   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:45:29 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 2042 | 2284 | 2225 | 2184    | 5.78   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : S3 Instrumnet Name : P7  
 Client Sample ID : S3 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 14:49:14 DataFile Name : 006CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 60556   | 61017   | 59930   | 60501   | 0.90   | cps   |
| Antimony   | 121-1 | 314323  | 316550  | 314379  | 315084  | 0.40   | cps   |
| Arsenic    | 75-2  | 12318   | 12370   | 12192   | 12294   | 0.74   | cps   |
| Barium     | 135-1 | 331831  | 330683  | 328137  | 330217  | 0.57   | cps   |
| Barium     | 137-1 | 572062  | 577852  | 580752  | 576889  | 0.77   | cps   |
| Beryllium  | 9-1   | 56466   | 57013   | 56143   | 56541   | 0.78   | cps   |
| Bismuth    | 209-1 | 5017180 | 5035956 | 5048264 | 5033800 | 0.31   | cps   |
| Bismuth    | 209-2 | 3066668 | 3089457 | 3077625 | 3077917 | 0.37   | cps   |
| Boron      | 10-1  | 7335    | 7460    | 7285    | 7360    | 1.23   | cps   |
| Boron      | 11-1  | 37205   | 36387   | 36963   | 36851   | 1.14   | cps   |
| Cadmium    | 111-1 | 73844   | 73909   | 74602   | 74118   | 0.57   | cps   |
| Cadmium    | 106-1 | 9362    | 9612    | 9353    | 9442    | 1.56   | cps   |
| Cadmium    | 108-1 | 5118    | 5389    | 4988    | 5165    | 3.95   | cps   |
| Calcium    | 43-1  | 89671   | 88347   | 89244   | 89087   | 0.76   | cps   |
| Calcium    | 44-1  | 1445161 | 1456195 | 1453568 | 1451641 | 0.40   | cps   |
| Chromium   | 52-2  | 98208   | 97815   | 99496   | 98506   | 0.89   | cps   |
| Cobalt     | 59-2  | 157044  | 158267  | 159012  | 158107  | 0.63   | cps   |
| Copper     | 63-2  | 228826  | 229595  | 230322  | 229581  | 0.33   | cps   |
| Dysprosium | 156-1 | 17      | 8       | 8       | 11      | 43.34  | cps   |
| Dysprosium | 156-2 | 3       | 7       | 10      | 7       | 50.03  | cps   |
| Erbium     | 164-1 | 33      | 8       | 8       | 17      | 86.62  | cps   |
| Erbium     | 164-2 | 7       | 13      | 13      | 11      | 34.61  | cps   |
| Gadolinium | 160-1 | 75      | 50      | 33      | 53      | 39.74  | cps   |
| Gadolinium | 160-2 | 70      | 33      | 33      | 46      | 46.48  | cps   |
| Holmium    | 165-1 | 8912536 | 8795719 | 8861843 | 8856700 | 0.66   | cps   |
| Holmium    | 165-2 | 4071965 | 4102952 | 4043597 | 4072838 | 0.73   | cps   |
| Indium     | 115-1 | 7101212 | 7146011 | 7262257 | 7169827 | 1.16   | cps   |
| Indium     | 115-2 | 1323405 | 1345758 | 1357907 | 1342357 | 1.30   | cps   |
| Iron       | 56-2  | 3795503 | 3791585 | 3792660 | 3793249 | 0.05   | cps   |
| Iron       | 57-2  | 97757   | 98680   | 98087   | 98175   | 0.48   | cps   |
| Lead       | 206-1 | 207381  | 208849  | 208696  | 208309  | 0.39   | cps   |
| Lead       | 207-1 | 190440  | 188957  | 187895  | 189097  | 0.68   | cps   |
| Lead       | 208-1 | 851941  | 851809  | 845057  | 849602  | 0.46   | cps   |
| Lithium    | 6-1   | 1128468 | 1127165 | 1128717 | 1128117 | 0.07   | cps   |
| Magnesium  | 24-2  | 757140  | 759187  | 757797  | 758041  | 0.14   | cps   |
| Manganese  | 55-2  | 105159  | 105918  | 105935  | 105671  | 0.42   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:49:14 | DataFile Name :   | 006CALS.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 277699  | 274666  | 278504  | 276956  | 0.73   | cps   |
| Molybdenum | 95-1  | 149846  | 150074  | 152577  | 150832  | 1.00   | cps   |
| Molybdenum | 96-1  | 193521  | 191359  | 191130  | 192003  | 0.69   | cps   |
| Molybdenum | 97-1  | 92776   | 92499   | 95283   | 93520   | 1.64   | cps   |
| Molybdenum | 98-1  | 239571  | 242086  | 245679  | 242445  | 1.27   | cps   |
| Neodymium  | 150-1 | 27      | 13      | 13      | 18      | 43.33  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 41823   | 42662   | 42642   | 42376   | 1.13   | cps   |
| Phosphorus | 31-2  | 3551    | 3967    | 4076    | 3865    | 7.17   | cps   |
| Potassium  | 39-2  | 361182  | 367792  | 360074  | 363016  | 1.15   | cps   |
| Rhodium    | 103-1 | 7000060 | 6904888 | 6929779 | 6944909 | 0.71   | cps   |
| Rhodium    | 103-2 | 3241550 | 3276876 | 3278401 | 3265609 | 0.64   | cps   |
| Scandium   | 45-1  | 4763857 | 4731498 | 4781801 | 4759052 | 0.54   | cps   |
| Scandium   | 45-2  | 230464  | 232862  | 230499  | 231275  | 0.59   | cps   |
| Selenium   | 77-2  | 240     | 250     | 193     | 228     | 13.28  | cps   |
| Selenium   | 78-2  | 898     | 869     | 793     | 853     | 6.38   | cps   |
| Selenium   | 82-1  | 5007    | 4986    | 5149    | 5048    | 1.76   | cps   |
| Silicon    | 28-1  | 478231  | 479527  | 480613  | 479457  | 0.25   | cps   |
| Silver     | 109-1 | 339092  | 345662  | 341027  | 341927  | 0.99   | cps   |
| Silver     | 107-1 | 358335  | 359879  | 358715  | 358976  | 0.22   | cps   |
| Sodium     | 23-2  | 1471004 | 1486802 | 1472086 | 1476631 | 0.60   | cps   |
| Strontium  | 86-1  | 91524   | 89202   | 91827   | 90851   | 1.58   | cps   |
| Strontium  | 88-1  | 778000  | 785927  | 786446  | 783457  | 0.60   | cps   |
| Sulfur     | 34-1  | 404349  | 396587  | 397198  | 399378  | 1.08   | cps   |
| Terbium    | 159-1 | 9312191 | 9201266 | 9316475 | 9276644 | 0.70   | cps   |
| Terbium    | 159-2 | 4030107 | 4032070 | 4113012 | 4058397 | 1.17   | cps   |
| Thallium   | 203-1 | 249245  | 251179  | 248193  | 249539  | 0.61   | cps   |
| Thallium   | 205-1 | 596041  | 590264  | 601445  | 595916  | 0.94   | cps   |
| Tin        | 118-1 | 234026  | 231401  | 233839  | 233089  | 0.63   | cps   |
| Titanium   | 47-1  | 43340   | 44251   | 43808   | 43799   | 1.04   | cps   |
| Uranium    | 238-1 | 862244  | 868332  | 854474  | 861683  | 0.81   | cps   |
| Vanadium   | 51-2  | 80284   | 81269   | 81021   | 80858   | 0.63   | cps   |
| Yttrium    | 89-1  | 7810765 | 7691486 | 7727161 | 7743137 | 0.79   | cps   |
| Yttrium    | 89-2  | 1106660 | 1118669 | 1121718 | 1115682 | 0.71   | cps   |
| Zinc       | 66-2  | 31908   | 31851   | 31377   | 31712   | 0.92   | cps   |
| Zirconium  | 90-1  | 524592  | 521808  | 522394  | 522931  | 0.28   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:49:14 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 115859 | 118252 | 116664 | 116925  | 1.04   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : S4 Instrumnet Name : P7  
 Client Sample ID : S4 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 14:52:59 DataFile Name : 007CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 147690  | 150517  | 151047  | 149751  | 1.21   | cps   |
| Antimony   | 121-1 | 786483  | 785021  | 796007  | 789170  | 0.76   | cps   |
| Arsenic    | 75-2  | 30753   | 30291   | 29749   | 30264   | 1.66   | cps   |
| Barium     | 135-1 | 821948  | 817421  | 827229  | 822200  | 0.60   | cps   |
| Barium     | 137-1 | 1416235 | 1423692 | 1428782 | 1422903 | 0.44   | cps   |
| Beryllium  | 9-1   | 139311  | 140090  | 140174  | 139858  | 0.34   | cps   |
| Bismuth    | 209-1 | 5023195 | 5074885 | 5087206 | 5061762 | 0.67   | cps   |
| Bismuth    | 209-2 | 3071774 | 3139277 | 3122500 | 3111184 | 1.13   | cps   |
| Boron      | 10-1  | 17911   | 18529   | 18962   | 18467   | 2.86   | cps   |
| Boron      | 11-1  | 87754   | 92800   | 90729   | 90428   | 2.80   | cps   |
| Cadmium    | 111-1 | 180748  | 182740  | 181269  | 181586  | 0.57   | cps   |
| Cadmium    | 106-1 | 21300   | 21258   | 20858   | 21139   | 1.16   | cps   |
| Cadmium    | 108-1 | 13148   | 12522   | 12748   | 12806   | 2.47   | cps   |
| Calcium    | 43-1  | 216631  | 219497  | 222713  | 219614  | 1.39   | cps   |
| Calcium    | 44-1  | 3496078 | 3528222 | 3533912 | 3519404 | 0.58   | cps   |
| Chromium   | 52-2  | 241440  | 241412  | 240870  | 241241  | 0.13   | cps   |
| Cobalt     | 59-2  | 384901  | 385644  | 388815  | 386453  | 0.54   | cps   |
| Copper     | 63-2  | 552703  | 552135  | 556397  | 553745  | 0.42   | cps   |
| Dysprosium | 156-1 | 25      | 25      | 17      | 22      | 21.64  | cps   |
| Dysprosium | 156-2 | 13      | 17      | 3       | 11      | 62.48  | cps   |
| Erbium     | 164-1 | 0       | 50      | 67      | 39      | 89.22  | cps   |
| Erbium     | 164-2 | 17      | 10      | 13      | 13      | 25.01  | cps   |
| Gadolinium | 160-1 | 42      | 50      | 67      | 53      | 24.12  | cps   |
| Gadolinium | 160-2 | 50      | 70      | 47      | 56      | 22.71  | cps   |
| Holmium    | 165-1 | 8849659 | 8841947 | 8974640 | 8888749 | 0.84   | cps   |
| Holmium    | 165-2 | 4101532 | 4069728 | 4095631 | 4088964 | 0.41   | cps   |
| Indium     | 115-1 | 7267325 | 7114381 | 7097347 | 7159684 | 1.31   | cps   |
| Indium     | 115-2 | 1323790 | 1340469 | 1340349 | 1334869 | 0.72   | cps   |
| Iron       | 56-2  | 9321055 | 9210429 | 9195319 | 9242268 | 0.74   | cps   |
| Iron       | 57-2  | 242856  | 240733  | 242631  | 242073  | 0.48   | cps   |
| Lead       | 206-1 | 520600  | 519031  | 517542  | 519058  | 0.29   | cps   |
| Lead       | 207-1 | 460364  | 468450  | 470662  | 466492  | 1.16   | cps   |
| Lead       | 208-1 | 2075466 | 2097197 | 2105880 | 2092848 | 0.75   | cps   |
| Lithium    | 6-1   | 1144763 | 1143736 | 1148094 | 1145531 | 0.20   | cps   |
| Magnesium  | 24-2  | 1843255 | 1861387 | 1861487 | 1855376 | 0.57   | cps   |
| Manganese  | 55-2  | 259070  | 258541  | 258452  | 258687  | 0.13   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : S4 Instrumnet Name : P7  
 Client Sample ID : S4 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 14:52:59 DataFile Name : 007CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 690792  | 683778  | 682191  | 685587  | 0.67   | cps   |
| Molybdenum | 95-1  | 371887  | 369826  | 371573  | 371095  | 0.30   | cps   |
| Molybdenum | 96-1  | 478120  | 479051  | 475312  | 477495  | 0.41   | cps   |
| Molybdenum | 97-1  | 233515  | 233132  | 234246  | 233631  | 0.24   | cps   |
| Molybdenum | 98-1  | 590926  | 597953  | 599430  | 596103  | 0.76   | cps   |
| Neodymium  | 150-1 | 60      | 33      | 27      | 40      | 44.09  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 101864  | 102347  | 102066  | 102092  | 0.24   | cps   |
| Phosphorus | 31-2  | 8895    | 9587    | 9186    | 9223    | 3.77   | cps   |
| Potassium  | 39-2  | 848365  | 853902  | 855770  | 852679  | 0.45   | cps   |
| Rhodium    | 103-1 | 6912349 | 6981733 | 6965095 | 6953059 | 0.52   | cps   |
| Rhodium    | 103-2 | 3233660 | 3242315 | 3274575 | 3250183 | 0.66   | cps   |
| Scandium   | 45-1  | 4742966 | 4722990 | 4726494 | 4730817 | 0.23   | cps   |
| Scandium   | 45-2  | 228634  | 229646  | 228065  | 228782  | 0.35   | cps   |
| Selenium   | 77-2  | 607     | 550     | 573     | 577     | 4.94   | cps   |
| Selenium   | 78-2  | 2006    | 1887    | 1965    | 1953    | 3.08   | cps   |
| Selenium   | 82-1  | 12542   | 12532   | 12544   | 12539   | 0.05   | cps   |
| Silicon    | 28-1  | 759885  | 757416  | 765984  | 761095  | 0.58   | cps   |
| Silver     | 109-1 | 840156  | 838596  | 836851  | 838534  | 0.20   | cps   |
| Silver     | 107-1 | 880375  | 870875  | 882747  | 877999  | 0.72   | cps   |
| Sodium     | 23-2  | 3555679 | 3598522 | 3605731 | 3586644 | 0.75   | cps   |
| Strontium  | 86-1  | 224280  | 222957  | 220553  | 222597  | 0.85   | cps   |
| Strontium  | 88-1  | 1927584 | 1909922 | 1918881 | 1918795 | 0.46   | cps   |
| Sulfur     | 34-1  | 433604  | 434754  | 428496  | 432285  | 0.77   | cps   |
| Terbium    | 159-1 | 9170859 | 9197303 | 9232358 | 9200174 | 0.34   | cps   |
| Terbium    | 159-2 | 4069038 | 4088707 | 4093813 | 4083853 | 0.32   | cps   |
| Thallium   | 203-1 | 618993  | 626388  | 626892  | 624091  | 0.71   | cps   |
| Thallium   | 205-1 | 1455631 | 1477753 | 1460407 | 1464597 | 0.79   | cps   |
| Tin        | 118-1 | 575265  | 574731  | 571278  | 573758  | 0.38   | cps   |
| Titanium   | 47-1  | 107574  | 108052  | 108615  | 108080  | 0.48   | cps   |
| Uranium    | 238-1 | 2144479 | 2103945 | 2161199 | 2136541 | 1.38   | cps   |
| Vanadium   | 51-2  | 197954  | 200727  | 199832  | 199504  | 0.71   | cps   |
| Yttrium    | 89-1  | 7777947 | 7656527 | 7680416 | 7704963 | 0.83   | cps   |
| Yttrium    | 89-2  | 1115045 | 1115027 | 1127900 | 1119324 | 0.66   | cps   |
| Zinc       | 66-2  | 77364   | 77149   | 77384   | 77299   | 0.17   | cps   |
| Zirconium  | 90-1  | 1301524 | 1300173 | 1282589 | 1294762 | 0.82   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:52:59 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 292915 | 294087 | 293142 | 293382  | 0.21   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:56:41 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 294777   | 294151   | 294457   | 294462   | 0.11   | cps   |
| Antimony   | 121-1 | 1574571  | 1567298  | 1580356  | 1574075  | 0.42   | cps   |
| Arsenic    | 75-2  | 60328    | 59947    | 59688    | 59988    | 0.54   | cps   |
| Barium     | 135-1 | 1646958  | 1637212  | 1644460  | 1642877  | 0.31   | cps   |
| Barium     | 137-1 | 2811222  | 2800971  | 2804480  | 2805558  | 0.19   | cps   |
| Beryllium  | 9-1   | 273557   | 269718   | 270818   | 271364   | 0.73   | cps   |
| Bismuth    | 209-1 | 5032183  | 5050060  | 5011643  | 5031295  | 0.38   | cps   |
| Bismuth    | 209-2 | 3056848  | 3080091  | 3063022  | 3066654  | 0.39   | cps   |
| Boron      | 10-1  | 35142    | 35918    | 36370    | 35810    | 1.73   | cps   |
| Boron      | 11-1  | 177017   | 180896   | 182893   | 180268   | 1.66   | cps   |
| Cadmium    | 111-1 | 358598   | 358034   | 357194   | 357942   | 0.20   | cps   |
| Cadmium    | 106-1 | 39899    | 38478    | 39983    | 39453    | 2.14   | cps   |
| Cadmium    | 108-1 | 26095    | 25728    | 25916    | 25913    | 0.71   | cps   |
| Calcium    | 43-1  | 433970   | 429807   | 433665   | 432481   | 0.54   | cps   |
| Calcium    | 44-1  | 6907738  | 6839013  | 6890539  | 6879097  | 0.52   | cps   |
| Chromium   | 52-2  | 473897   | 468404   | 475754   | 472685   | 0.81   | cps   |
| Cobalt     | 59-2  | 747848   | 749925   | 747892   | 748555   | 0.16   | cps   |
| Copper     | 63-2  | 1083570  | 1081440  | 1077848  | 1080953  | 0.27   | cps   |
| Dysprosium | 156-1 | 42       | 50       | 33       | 42       | 20.00  | cps   |
| Dysprosium | 156-2 | 10       | 0        | 23       | 11       | 105.35 | cps   |
| Erbium     | 164-1 | 17       | 17       | 33       | 22       | 43.28  | cps   |
| Erbium     | 164-2 | 17       | 7        | 7        | 10       | 57.72  | cps   |
| Gadolinium | 160-1 | 50       | 33       | 92       | 58       | 51.51  | cps   |
| Gadolinium | 160-2 | 47       | 60       | 80       | 62       | 26.96  | cps   |
| Holmium    | 165-1 | 8827104  | 8805925  | 8898654  | 8843894  | 0.55   | cps   |
| Holmium    | 165-2 | 4105984  | 4089028  | 4049061  | 4081358  | 0.72   | cps   |
| Indium     | 115-1 | 7059640  | 7067932  | 7042256  | 7056609  | 0.19   | cps   |
| Indium     | 115-2 | 1316689  | 1318278  | 1319188  | 1318052  | 0.10   | cps   |
| Iron       | 56-2  | 18075572 | 18052325 | 17973245 | 18033714 | 0.30   | cps   |
| Iron       | 57-2  | 475101   | 472864   | 470763   | 472909   | 0.46   | cps   |
| Lead       | 206-1 | 1019035  | 1024717  | 1031194  | 1024982  | 0.59   | cps   |
| Lead       | 207-1 | 938165   | 937258   | 928379   | 934600   | 0.58   | cps   |
| Lead       | 208-1 | 4154799  | 4166351  | 4151740  | 4157630  | 0.19   | cps   |
| Lithium    | 6-1   | 1131429  | 1127719  | 1135234  | 1131461  | 0.33   | cps   |
| Magnesium  | 24-2  | 3656037  | 3601504  | 3589316  | 3615619  | 0.98   | cps   |
| Manganese  | 55-2  | 506500   | 508545   | 512926   | 509323   | 0.64   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 14:56:41 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 1346260 | 1364449 | 1363974 | 1358228 | 0.76   | cps   |
| Molybdenum | 95-1  | 745843  | 740352  | 735059  | 740418  | 0.73   | cps   |
| Molybdenum | 96-1  | 949960  | 952469  | 953341  | 951923  | 0.18   | cps   |
| Molybdenum | 97-1  | 458874  | 464804  | 463960  | 462546  | 0.69   | cps   |
| Molybdenum | 98-1  | 1173135 | 1188621 | 1187494 | 1183083 | 0.73   | cps   |
| Neodymium  | 150-1 | 93      | 53      | 80      | 76      | 26.95  | cps   |
| Neodymium  | 150-2 | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Nickel     | 60-2  | 197045  | 200036  | 200246  | 199109  | 0.90   | cps   |
| Phosphorus | 31-2  | 18020   | 18337   | 18771   | 18376   | 2.05   | cps   |
| Potassium  | 39-2  | 1667133 | 1655411 | 1646379 | 1656308 | 0.63   | cps   |
| Rhodium    | 103-1 | 6812637 | 6687376 | 6777125 | 6759046 | 0.96   | cps   |
| Rhodium    | 103-2 | 3186245 | 3189063 | 3205566 | 3193624 | 0.33   | cps   |
| Scandium   | 45-1  | 4649305 | 4682045 | 4640802 | 4657384 | 0.47   | cps   |
| Scandium   | 45-2  | 227847  | 224902  | 228428  | 227059  | 0.83   | cps   |
| Selenium   | 77-2  | 1053    | 943     | 1157    | 1051    | 10.15  | cps   |
| Selenium   | 78-2  | 3878    | 3799    | 3699    | 3792    | 2.37   | cps   |
| Selenium   | 82-1  | 25114   | 24763   | 24756   | 24878   | 0.82   | cps   |
| Silicon    | 28-1  | 1227357 | 1237637 | 1234805 | 1233267 | 0.43   | cps   |
| Silver     | 109-1 | 1644881 | 1656842 | 1660194 | 1653972 | 0.49   | cps   |
| Silver     | 107-1 | 1736479 | 1742469 | 1726868 | 1735272 | 0.45   | cps   |
| Sodium     | 23-2  | 6964789 | 6988480 | 6935368 | 6962879 | 0.38   | cps   |
| Strontium  | 86-1  | 443493  | 444354  | 442519  | 443455  | 0.21   | cps   |
| Strontium  | 88-1  | 3770379 | 3742571 | 3741439 | 3751463 | 0.44   | cps   |
| Sulfur     | 34-1  | 493161  | 490966  | 484552  | 489560  | 0.91   | cps   |
| Terbium    | 159-1 | 9054051 | 9130007 | 9276280 | 9153446 | 1.23   | cps   |
| Terbium    | 159-2 | 4090404 | 4032005 | 4064823 | 4062411 | 0.72   | cps   |
| Thallium   | 203-1 | 1228786 | 1228952 | 1238985 | 1232241 | 0.47   | cps   |
| Thallium   | 205-1 | 2886218 | 2887012 | 2893437 | 2888889 | 0.14   | cps   |
| Tin        | 118-1 | 1143748 | 1149706 | 1146212 | 1146555 | 0.26   | cps   |
| Titanium   | 47-1  | 215047  | 217137  | 214479  | 215555  | 0.65   | cps   |
| Uranium    | 238-1 | 4334875 | 4287818 | 4331861 | 4318185 | 0.61   | cps   |
| Vanadium   | 51-2  | 391289  | 390485  | 393527  | 391767  | 0.40   | cps   |
| Yttrium    | 89-1  | 7639027 | 7551072 | 7642290 | 7610796 | 0.68   | cps   |
| Yttrium    | 89-2  | 1108877 | 1089403 | 1104589 | 1100956 | 0.93   | cps   |
| Zinc       | 66-2  | 148537  | 151874  | 150890  | 150434  | 1.14   | cps   |
| Zirconium  | 90-1  | 2535925 | 2553329 | 2550683 | 2546646 | 0.37   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 14:56:41 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 579656 | 582598 | 583709 | 581987  | 0.36   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:00:19 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 576083   | 583452   | 574662   | 578066   | 0.82   | cps   |
| Antimony   | 121-1 | 3012216  | 3048165  | 3061549  | 3040643  | 0.84   | cps   |
| Arsenic    | 75-2  | 117262   | 120007   | 119549   | 118939   | 1.24   | cps   |
| Barium     | 135-1 | 3108093  | 3143408  | 3183754  | 3145085  | 1.20   | cps   |
| Barium     | 137-1 | 5490196  | 5562023  | 5535062  | 5529093  | 0.66   | cps   |
| Beryllium  | 9-1   | 522627   | 524281   | 524302   | 523737   | 0.18   | cps   |
| Bismuth    | 209-1 | 4888377  | 4887544  | 4848579  | 4874833  | 0.47   | cps   |
| Bismuth    | 209-2 | 3055378  | 3064708  | 3111117  | 3077068  | 0.97   | cps   |
| Boron      | 10-1  | 70808    | 71126    | 71452    | 71129    | 0.45   | cps   |
| Boron      | 11-1  | 344234   | 353702   | 356215   | 351384   | 1.80   | cps   |
| Cadmium    | 111-1 | 687516   | 690445   | 689834   | 689265   | 0.22   | cps   |
| Cadmium    | 106-1 | 73391    | 75492    | 75928    | 74937    | 1.81   | cps   |
| Cadmium    | 108-1 | 48822    | 50456    | 49411    | 49563    | 1.67   | cps   |
| Calcium    | 43-1  | 845847   | 848905   | 839594   | 844782   | 0.56   | cps   |
| Calcium    | 44-1  | 13430237 | 13626115 | 13428957 | 13495103 | 0.84   | cps   |
| Chromium   | 52-2  | 918967   | 934421   | 940038   | 931142   | 1.17   | cps   |
| Cobalt     | 59-2  | 1471709  | 1470642  | 1477551  | 1473301  | 0.25   | cps   |
| Copper     | 63-2  | 2074612  | 2094542  | 2105781  | 2091645  | 0.75   | cps   |
| Dysprosium | 156-1 | 42       | 58       | 50       | 50       | 16.67  | cps   |
| Dysprosium | 156-2 | 20       | 50       | 23       | 31       | 52.86  | cps   |
| Erbium     | 164-1 | 58       | 8        | 83       | 50       | 76.38  | cps   |
| Erbium     | 164-2 | 23       | 20       | 20       | 21       | 9.11   | cps   |
| Gadolinium | 160-1 | 50       | 58       | 108      | 72       | 43.68  | cps   |
| Gadolinium | 160-2 | 63       | 73       | 57       | 64       | 13.01  | cps   |
| Holmium    | 165-1 | 8720378  | 8726227  | 8687696  | 8711434  | 0.24   | cps   |
| Holmium    | 165-2 | 4063565  | 4034449  | 4091791  | 4063268  | 0.71   | cps   |
| Indium     | 115-1 | 6951381  | 6815000  | 6868441  | 6878274  | 1.00   | cps   |
| Indium     | 115-2 | 1312457  | 1309039  | 1323704  | 1315067  | 0.58   | cps   |
| Iron       | 56-2  | 35215505 | 35579662 | 35752329 | 35515832 | 0.77   | cps   |
| Iron       | 57-2  | 918055   | 925127   | 935382   | 926188   | 0.94   | cps   |
| Lead       | 206-1 | 1977959  | 1978768  | 1991010  | 1982579  | 0.37   | cps   |
| Lead       | 207-1 | 1786414  | 1804015  | 1822177  | 1804202  | 0.99   | cps   |
| Lead       | 208-1 | 8085443  | 8187403  | 8171065  | 8147971  | 0.67   | cps   |
| Lithium    | 6-1   | 1105286  | 1110805  | 1103729  | 1106607  | 0.34   | cps   |
| Magnesium  | 24-2  | 7087293  | 7092263  | 7175227  | 7118261  | 0.69   | cps   |
| Manganese  | 55-2  | 990461   | 1002491  | 1002877  | 998610   | 0.71   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:00:19 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 2628213  | 2638968  | 2657234  | 2641471  | 0.56   | cps   |
| Molybdenum | 95-1  | 1436020  | 1454750  | 1441582  | 1444117  | 0.67   | cps   |
| Molybdenum | 96-1  | 1852667  | 1844264  | 1852534  | 1849822  | 0.26   | cps   |
| Molybdenum | 97-1  | 906735   | 904619   | 903127   | 904827   | 0.20   | cps   |
| Molybdenum | 98-1  | 2316518  | 2303048  | 2343054  | 2320873  | 0.88   | cps   |
| Neodymium  | 150-1 | 93       | 93       | 120      | 102      | 15.06  | cps   |
| Neodymium  | 150-2 | 27       | 17       | 13       | 19       | 36.75  | cps   |
| Nickel     | 60-2  | 387948   | 388715   | 394396   | 390353   | 0.90   | cps   |
| Phosphorus | 31-2  | 36487    | 36069    | 36028    | 36195    | 0.70   | cps   |
| Potassium  | 39-2  | 3205923  | 3202952  | 3229660  | 3212845  | 0.46   | cps   |
| Rhodium    | 103-1 | 6564145  | 6587965  | 6617319  | 6589810  | 0.40   | cps   |
| Rhodium    | 103-2 | 3127824  | 3176196  | 3207396  | 3170472  | 1.26   | cps   |
| Scandium   | 45-1  | 4554532  | 4667666  | 4575878  | 4599359  | 1.31   | cps   |
| Scandium   | 45-2  | 224837   | 226364   | 229522   | 226908   | 1.05   | cps   |
| Selenium   | 77-2  | 2097     | 2374     | 2004     | 2158     | 8.92   | cps   |
| Selenium   | 78-2  | 7598     | 7463     | 7511     | 7524     | 0.91   | cps   |
| Selenium   | 82-1  | 47916    | 48384    | 48738    | 48346    | 0.85   | cps   |
| Silicon    | 28-1  | 2117852  | 2118664  | 2126174  | 2120896  | 0.22   | cps   |
| Silver     | 109-1 | 3133097  | 3167073  | 3176638  | 3158936  | 0.72   | cps   |
| Silver     | 107-1 | 3266008  | 3311360  | 3312402  | 3296590  | 0.80   | cps   |
| Sodium     | 23-2  | 13662317 | 13800283 | 13804263 | 13755621 | 0.59   | cps   |
| Strontium  | 86-1  | 847145   | 869326   | 865020   | 860497   | 1.37   | cps   |
| Strontium  | 88-1  | 7483297  | 7486879  | 7445658  | 7471945  | 0.31   | cps   |
| Sulfur     | 34-1  | 609937   | 611916   | 608070   | 609974   | 0.32   | cps   |
| Terbium    | 159-1 | 8937128  | 9090605  | 8930817  | 8986183  | 1.01   | cps   |
| Terbium    | 159-2 | 4035078  | 4017372  | 4077200  | 4043217  | 0.76   | cps   |
| Thallium   | 203-1 | 2386726  | 2411335  | 2388476  | 2395512  | 0.57   | cps   |
| Thallium   | 205-1 | 5715335  | 5860290  | 5786379  | 5787335  | 1.25   | cps   |
| Tin        | 118-1 | 2202666  | 2195062  | 2239188  | 2212305  | 1.07   | cps   |
| Titanium   | 47-1  | 418164   | 421023   | 420014   | 419734   | 0.35   | cps   |
| Uranium    | 238-1 | 8558768  | 8707386  | 8383541  | 8549898  | 1.90   | cps   |
| Vanadium   | 51-2  | 772169   | 776062   | 784095   | 777442   | 0.78   | cps   |
| Yttrium    | 89-1  | 7553309  | 7459647  | 7449238  | 7487398  | 0.77   | cps   |
| Yttrium    | 89-2  | 1103112  | 1098593  | 1109812  | 1103839  | 0.51   | cps   |
| Zinc       | 66-2  | 291810   | 296904   | 298112   | 295609   | 1.13   | cps   |
| Zirconium  | 90-1  | 5092890  | 5051220  | 5080639  | 5074916  | 0.42   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:00:19 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1129608 | 1127005 | 1135086 | 1130566 | 0.36   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : S7 Instrumnet Name : P7  
 Client Sample ID : S7 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:03:53 DataFile Name : 010CAL.S.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1146539  | 1148242  | 1149824  | 1148201  | 0.14   | cps   |
| Antimony   | 121-1 | 6128299  | 6131950  | 6191358  | 6150536  | 0.58   | cps   |
| Arsenic    | 75-2  | 238210   | 237082   | 239944   | 238412   | 0.60   | cps   |
| Barium     | 135-1 | 6403536  | 6292686  | 6383525  | 6359916  | 0.93   | cps   |
| Barium     | 137-1 | 11104464 | 11082463 | 11139809 | 11108912 | 0.26   | cps   |
| Beryllium  | 9-1   | 1026406  | 1028805  | 1038937  | 1031383  | 0.64   | cps   |
| Bismuth    | 209-1 | 4821444  | 4808175  | 4840937  | 4823519  | 0.34   | cps   |
| Bismuth    | 209-2 | 2997510  | 2999260  | 3008020  | 3001596  | 0.19   | cps   |
| Boron      | 10-1  | 135477   | 141237   | 142222   | 139645   | 2.61   | cps   |
| Boron      | 11-1  | 690059   | 696775   | 707901   | 698245   | 1.29   | cps   |
| Cadmium    | 111-1 | 1333926  | 1341424  | 1350491  | 1341947  | 0.62   | cps   |
| Cadmium    | 106-1 | 146626   | 146222   | 147889   | 146912   | 0.59   | cps   |
| Cadmium    | 108-1 | 97546    | 98770    | 99953    | 98756    | 1.22   | cps   |
| Calcium    | 43-1  | 1672970  | 1669917  | 1690960  | 1677949  | 0.68   | cps   |
| Calcium    | 44-1  | 26767628 | 26687026 | 27109815 | 26854823 | 0.84   | cps   |
| Chromium   | 52-2  | 1943520  | 1971582  | 1972645  | 1962582  | 0.84   | cps   |
| Cobalt     | 59-2  | 2866079  | 2884525  | 2889329  | 2879978  | 0.43   | cps   |
| Copper     | 63-2  | 4114659  | 4133318  | 4139490  | 4129156  | 0.31   | cps   |
| Dysprosium | 156-1 | 117      | 117      | 125      | 119      | 4.03   | cps   |
| Dysprosium | 156-2 | 60       | 50       | 50       | 53       | 10.83  | cps   |
| Erbium     | 164-1 | 42       | 25       | 25       | 31       | 31.50  | cps   |
| Erbium     | 164-2 | 30       | 7        | 17       | 18       | 65.83  | cps   |
| Gadolinium | 160-1 | 100      | 50       | 58       | 69       | 38.57  | cps   |
| Gadolinium | 160-2 | 87       | 57       | 80       | 74       | 21.16  | cps   |
| Holmium    | 165-1 | 8681790  | 8784624  | 8779070  | 8748495  | 0.66   | cps   |
| Holmium    | 165-2 | 4011858  | 3976088  | 4017825  | 4001923  | 0.56   | cps   |
| Indium     | 115-1 | 6921093  | 6788041  | 6869305  | 6859480  | 0.98   | cps   |
| Indium     | 115-2 | 1283786  | 1300604  | 1298078  | 1294156  | 0.70   | cps   |
| Iron       | 56-2  | 71593657 | 71417590 | 71355471 | 71455573 | 0.17   | cps   |
| Iron       | 57-2  | 1829062  | 1838608  | 1854274  | 1840648  | 0.69   | cps   |
| Lead       | 206-1 | 3741685  | 3796834  | 3942864  | 3827128  | 2.72   | cps   |
| Lead       | 207-1 | 3451003  | 3497312  | 3475190  | 3474502  | 0.67   | cps   |
| Lead       | 208-1 | 15803586 | 15930968 | 16114676 | 15949743 | 0.98   | cps   |
| Lithium    | 6-1   | 1097960  | 1092706  | 1096674  | 1095780  | 0.25   | cps   |
| Magnesium  | 24-2  | 14217001 | 14101236 | 14139824 | 14152687 | 0.42   | cps   |
| Manganese  | 55-2  | 1980444  | 2006674  | 2000529  | 1995883  | 0.69   | cps   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:03:53 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5393732  | 5366948  | 5389872  | 5383517  | 0.27   | cps   |
| Molybdenum | 95-1  | 2850536  | 2837086  | 2887578  | 2858400  | 0.91   | cps   |
| Molybdenum | 96-1  | 3671464  | 3668370  | 3815720  | 3718518  | 2.26   | cps   |
| Molybdenum | 97-1  | 1797934  | 1823182  | 1815021  | 1812046  | 0.71   | cps   |
| Molybdenum | 98-1  | 4703583  | 4770026  | 4783818  | 4752476  | 0.90   | cps   |
| Neodymium  | 150-1 | 187      | 200      | 253      | 213      | 16.54  | cps   |
| Neodymium  | 150-2 | 23       | 13       | 17       | 18       | 28.64  | cps   |
| Nickel     | 60-2  | 795132   | 801220   | 801132   | 799162   | 0.44   | cps   |
| Phosphorus | 31-2  | 74209    | 72728    | 71639    | 72859    | 1.77   | cps   |
| Potassium  | 39-2  | 6443508  | 6468703  | 6408370  | 6440194  | 0.47   | cps   |
| Rhodium    | 103-1 | 6599083  | 6521474  | 6559915  | 6560157  | 0.59   | cps   |
| Rhodium    | 103-2 | 3087988  | 3117252  | 3129895  | 3111712  | 0.69   | cps   |
| Scandium   | 45-1  | 4593013  | 4622095  | 4621734  | 4612281  | 0.36   | cps   |
| Scandium   | 45-2  | 225946   | 227931   | 229142   | 227673   | 0.71   | cps   |
| Selenium   | 77-2  | 4614     | 4294     | 4444     | 4451     | 3.60   | cps   |
| Selenium   | 78-2  | 14717    | 14411    | 14691    | 14606    | 1.16   | cps   |
| Selenium   | 82-1  | 93876    | 95704    | 96465    | 95348    | 1.40   | cps   |
| Silicon    | 28-1  | 3466556  | 3462377  | 3476368  | 3468434  | 0.21   | cps   |
| Silver     | 109-1 | 6334329  | 6286611  | 6308736  | 6309892  | 0.38   | cps   |
| Silver     | 107-1 | 6631084  | 6570001  | 6501865  | 6567650  | 0.98   | cps   |
| Sodium     | 23-2  | 27250462 | 27283450 | 27629751 | 27387887 | 0.77   | cps   |
| Strontium  | 86-1  | 1684890  | 1705147  | 1704595  | 1698211  | 0.68   | cps   |
| Strontium  | 88-1  | 14935960 | 15106994 | 14766950 | 14936635 | 1.14   | cps   |
| Sulfur     | 34-1  | 894597   | 888832   | 893559   | 892330   | 0.34   | cps   |
| Terbium    | 159-1 | 9111273  | 9031890  | 9053451  | 9065538  | 0.45   | cps   |
| Terbium    | 159-2 | 3998880  | 4059697  | 3974238  | 4010938  | 1.10   | cps   |
| Thallium   | 203-1 | 4761518  | 4875247  | 4755804  | 4797523  | 1.40   | cps   |
| Thallium   | 205-1 | 11347987 | 11516997 | 11400695 | 11421893 | 0.76   | cps   |
| Tin        | 118-1 | 4480191  | 4483235  | 4531456  | 4498294  | 0.64   | cps   |
| Titanium   | 47-1  | 824369   | 827514   | 842294   | 831393   | 1.15   | cps   |
| Uranium    | 238-1 | 17011751 | 17113118 | 17132827 | 17085899 | 0.38   | cps   |
| Vanadium   | 51-2  | 1534586  | 1559739  | 1563236  | 1552520  | 1.01   | cps   |
| Yttrium    | 89-1  | 7488231  | 7563326  | 7637829  | 7563129  | 0.99   | cps   |
| Yttrium    | 89-2  | 1087491  | 1107243  | 1099073  | 1097936  | 0.90   | cps   |
| Zinc       | 66-2  | 573027   | 575700   | 578399   | 575709   | 0.47   | cps   |
| Zirconium  | 90-1  | 10089517 | 10198629 | 10188470 | 10158872 | 0.59   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:03:53 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 2223195 | 2229985 | 2260771 | 2237984 | 0.89   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:07:22 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 5909193   | 5973964   | 6058996   | 5980718   | 1.26   | cps   |
| Antimony   | 121-1 | 17453     | 15326     | 15501     | 16093     | 7.34   | cps   |
| Arsenic    | 75-2  | 85        | 131       | 130       | 115       | 22.70  | cps   |
| Barium     | 135-1 | 1617      | 1709      | 1859      | 1728      | 7.06   | cps   |
| Barium     | 137-1 | 2817      | 2975      | 2825      | 2873      | 3.10   | cps   |
| Beryllium  | 9-1   | 411       | 406       | 350       | 389       | 8.69   | cps   |
| Bismuth    | 209-1 | 4288648   | 4244876   | 4264652   | 4266058   | 0.51   | cps   |
| Bismuth    | 209-2 | 2653023   | 2687412   | 2702342   | 2680926   | 0.94   | cps   |
| Boron      | 10-1  | 5810      | 5210      | 4918      | 5312      | 8.56   | cps   |
| Boron      | 11-1  | 28394     | 25172     | 23027     | 25531     | 10.58  | cps   |
| Cadmium    | 111-1 | 1553      | 1323      | 1423      | 1433      | 8.03   | cps   |
| Cadmium    | 106-1 | 1967      | 1667      | 1842      | 1825      | 8.26   | cps   |
| Cadmium    | 108-1 | 17        | 21        | 29        | 22        | 28.64  | cps   |
| Calcium    | 43-1  | 8246334   | 8257619   | 8339826   | 8281260   | 0.62   | cps   |
| Calcium    | 44-1  | 132487353 | 132334361 | 135124853 | 133315522 | 1.18   | cps   |
| Chromium   | 52-2  | 24584     | 25312     | 25185     | 25027     | 1.55   | cps   |
| Cobalt     | 59-2  | 3694      | 3761      | 3837      | 3764      | 1.91   | cps   |
| Copper     | 63-2  | 7699      | 7439      | 7355      | 7498      | 2.39   | cps   |
| Dysprosium | 156-1 | 67        | 58        | 25        | 50        | 44.10  | cps   |
| Dysprosium | 156-2 | 23        | 30        | 37        | 30        | 22.23  | cps   |
| Erbium     | 164-1 | 42        | 33        | 25        | 33        | 25.01  | cps   |
| Erbium     | 164-2 | 13        | 20        | 20        | 18        | 21.66  | cps   |
| Gadolinium | 160-1 | 125       | 42        | 75        | 81        | 52.07  | cps   |
| Gadolinium | 160-2 | 73        | 40        | 53        | 56        | 30.20  | cps   |
| Holmium    | 165-1 | 8451603   | 8273076   | 8351320   | 8358666   | 1.07   | cps   |
| Holmium    | 165-2 | 3919737   | 3855973   | 3897635   | 3891115   | 0.83   | cps   |
| Indium     | 115-1 | 6515037   | 6549030   | 6443309   | 6502459   | 0.83   | cps   |
| Indium     | 115-2 | 1250886   | 1257477   | 1258367   | 1255576   | 0.33   | cps   |
| Iron       | 56-2  | 352921263 | 353379597 | 353089597 | 353130152 | 0.07   | cps   |
| Iron       | 57-2  | 9021644   | 9146877   | 9230130   | 9132884   | 1.15   | cps   |
| Lead       | 206-1 | 5874      | 5707      | 5751      | 5777      | 1.50   | cps   |
| Lead       | 207-1 | 4768      | 4851      | 4529      | 4716      | 3.55   | cps   |
| Lead       | 208-1 | 22842     | 21846     | 22275     | 22321     | 2.24   | cps   |
| Lithium    | 6-1   | 1049759   | 1059307   | 1035363   | 1048143   | 1.15   | cps   |
| Magnesium  | 24-2  | 72722993  | 72333229  | 72983702  | 72679975  | 0.45   | cps   |
| Manganese  | 55-2  | 6205      | 5775      | 6115      | 6031      | 3.76   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:07:22 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Molybdenum | 94-1  | 4968      | 5093      | 5276      | 5112      | 3.03   | cps   |
| Molybdenum | 95-1  | 7511      | 7277      | 7569      | 7452      | 2.07   | cps   |
| Molybdenum | 96-1  | 9829      | 9303      | 9796      | 9643      | 3.05   | cps   |
| Molybdenum | 97-1  | 4709      | 4843      | 4593      | 4715      | 2.65   | cps   |
| Molybdenum | 98-1  | 12206     | 12106     | 11472     | 11928     | 3.34   | cps   |
| Neodymium  | 150-1 | 80        | 40        | 60        | 60        | 33.33  | cps   |
| Neodymium  | 150-2 | 17        | 30        | 20        | 22        | 31.22  | cps   |
| Nickel     | 60-2  | 7829      | 7856      | 8066      | 7917      | 1.64   | cps   |
| Phosphorus | 31-2  | 50        | 150       | 125       | 108       | 48.04  | cps   |
| Potassium  | 39-2  | 32803702  | 33120879  | 33593071  | 33172550  | 1.20   | cps   |
| Rhodium    | 103-1 | 6126164   | 6080095   | 6007460   | 6071240   | 0.99   | cps   |
| Rhodium    | 103-2 | 2834983   | 2869581   | 2863863   | 2856142   | 0.65   | cps   |
| Scandium   | 45-1  | 4627616   | 4628722   | 4679003   | 4645114   | 0.63   | cps   |
| Scandium   | 45-2  | 226689    | 227970    | 231119    | 228593    | 1.00   | cps   |
| Selenium   | 77-2  | 0         | 0         | 0         | 0         | 0.00   | cps   |
| Selenium   | 78-2  | 61        | 74        | 56        | 64        | 14.95  | cps   |
| Selenium   | 82-1  | 143       | 65        | 50        | 86        | 58.20  | cps   |
| Silicon    | 28-1  | 380797    | 387694    | 390629    | 386374    | 1.31   | cps   |
| Silver     | 109-1 | 808       | 842       | 867       | 839       | 3.49   | cps   |
| Silver     | 107-1 | 767       | 842       | 892       | 833       | 7.55   | cps   |
| Sodium     | 23-2  | 137564245 | 137279711 | 138847203 | 137897053 | 0.61   | cps   |
| Strontium  | 86-1  | 59524     | 59616     | 58109     | 59083     | 1.43   | cps   |
| Strontium  | 88-1  | 503641    | 498890    | 503491    | 502007    | 0.54   | cps   |
| Sulfur     | 34-1  | 351375    | 356931    | 355783    | 354696    | 0.83   | cps   |
| Terbium    | 159-1 | 8786079   | 8777319   | 8688833   | 8750744   | 0.61   | cps   |
| Terbium    | 159-2 | 3891820   | 3896677   | 3921642   | 3903380   | 0.41   | cps   |
| Thallium   | 203-1 | 1884      | 1775      | 1475      | 1711      | 12.36  | cps   |
| Thallium   | 205-1 | 4409      | 3801      | 3909      | 4040      | 8.04   | cps   |
| Tin        | 118-1 | 5418      | 5576      | 5901      | 5632      | 4.38   | cps   |
| Titanium   | 47-1  | 708       | 575       | 650       | 644       | 10.37  | cps   |
| Uranium    | 238-1 | 1300      | 1050      | 983       | 1111      | 15.03  | cps   |
| Vanadium   | 51-2  | 333       | 347       | 297       | 326       | 7.95   | cps   |
| Yttrium    | 89-1  | 7281266   | 7384986   | 7278581   | 7314945   | 0.83   | cps   |
| Yttrium    | 89-2  | 1086073   | 1095217   | 1091715   | 1091002   | 0.42   | cps   |
| Zinc       | 66-2  | 2014      | 1893      | 2134      | 2014      | 5.96   | cps   |
| Zirconium  | 90-1  | 2259      | 2250      | 2325      | 2278      | 1.80   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:07:22 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 550  | 533  | 600  | 561     | 6.18   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P7  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:16:42 DataFile Name : 012ICV01.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 31050   | 30641   | 31343   | 31011   | 1.14   | cps   |
| Antimony   | 121-1 | 1203652 | 1206414 | 1216038 | 1208701 | 0.54   | cps   |
| Arsenic    | 75-2  | 49246   | 49095   | 48666   | 49003   | 0.61   | cps   |
| Barium     | 135-1 | 129751  | 129743  | 129794  | 129763  | 0.02   | cps   |
| Barium     | 137-1 | 226102  | 226589  | 225347  | 226012  | 0.28   | cps   |
| Beryllium  | 9-1   | 106913  | 108345  | 109514  | 108257  | 1.20   | cps   |
| Bismuth    | 209-1 | 5028681 | 4938387 | 4932937 | 4966668 | 1.08   | cps   |
| Bismuth    | 209-2 | 3111694 | 3080231 | 3123157 | 3105028 | 0.72   | cps   |
| Boron      | 10-1  | 78311   | 79476   | 79534   | 79107   | 0.87   | cps   |
| Boron      | 11-1  | 391210  | 396273  | 394241  | 393908  | 0.65   | cps   |
| Cadmium    | 111-1 | 146320  | 146105  | 146323  | 146249  | 0.09   | cps   |
| Cadmium    | 106-1 | 26492   | 26651   | 25800   | 26314   | 1.72   | cps   |
| Cadmium    | 108-1 | 13227   | 13886   | 13986   | 13700   | 3.01   | cps   |
| Calcium    | 43-1  | 38560   | 39270   | 38618   | 38816   | 1.02   | cps   |
| Calcium    | 44-1  | 630922  | 628723  | 634053  | 631232  | 0.42   | cps   |
| Chromium   | 52-2  | 191642  | 189002  | 192536  | 191060  | 0.96   | cps   |
| Cobalt     | 59-2  | 309502  | 310242  | 313909  | 311218  | 0.76   | cps   |
| Copper     | 63-2  | 222434  | 222866  | 224081  | 223127  | 0.38   | cps   |
| Dysprosium | 156-1 | 8       | 25      | 33      | 22      | 57.29  | cps   |
| Dysprosium | 156-2 | 17      | 7       | 7       | 10      | 57.72  | cps   |
| Erbium     | 164-1 | 75      | 67      | 42      | 61      | 28.38  | cps   |
| Erbium     | 164-2 | 43      | 33      | 23      | 33      | 30.00  | cps   |
| Gadolinium | 160-1 | 75      | 83      | 50      | 69      | 24.98  | cps   |
| Gadolinium | 160-2 | 57      | 43      | 63      | 54      | 18.71  | cps   |
| Holmium    | 165-1 | 8779450 | 8751670 | 8804556 | 8778559 | 0.30   | cps   |
| Holmium    | 165-2 | 4125078 | 4090266 | 4151829 | 4122391 | 0.75   | cps   |
| Indium     | 115-1 | 7139603 | 7065255 | 7178608 | 7127822 | 0.81   | cps   |
| Indium     | 115-2 | 1355310 | 1359312 | 1363568 | 1359396 | 0.30   | cps   |
| Iron       | 56-2  | 1557584 | 1551207 | 1561381 | 1556724 | 0.33   | cps   |
| Iron       | 57-2  | 38958   | 38841   | 39259   | 39019   | 0.55   | cps   |
| Lead       | 206-1 | 798121  | 804401  | 805710  | 802744  | 0.51   | cps   |
| Lead       | 207-1 | 696513  | 707981  | 708311  | 704268  | 0.95   | cps   |
| Lead       | 208-1 | 3167827 | 3202760 | 3204002 | 3191529 | 0.64   | cps   |
| Lithium    | 6-1   | 1119134 | 1133890 | 1130933 | 1127986 | 0.69   | cps   |
| Magnesium  | 24-2  | 178855  | 175805  | 180804  | 178488  | 1.41   | cps   |
| Manganese  | 55-2  | 104156  | 103786  | 104958  | 104300  | 0.57   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:16:42 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 2545965 | 2578963 | 2578963 | 2567964 | 0.74   | cps   |
| Molybdenum | 95-1  | 1409091 | 1411165 | 1402221 | 1407492 | 0.33   | cps   |
| Molybdenum | 96-1  | 1797725 | 1801325 | 1816783 | 1805277 | 0.56   | cps   |
| Molybdenum | 97-1  | 880717  | 881726  | 882939  | 881794  | 0.13   | cps   |
| Molybdenum | 98-1  | 2234174 | 2255661 | 2265589 | 2251808 | 0.71   | cps   |
| Neodymium  | 150-1 | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Neodymium  | 150-2 | 0       | 7       | 7       | 4       | 86.60  | cps   |
| Nickel     | 60-2  | 83614   | 82048   | 83419   | 83027   | 1.03   | cps   |
| Phosphorus | 31-2  | 142     | 150     | 58      | 117     | 43.45  | cps   |
| Potassium  | 39-2  | 299452  | 299485  | 303474  | 300803  | 0.77   | cps   |
| Rhodium    | 103-1 | 6991829 | 6990231 | 7045758 | 7009273 | 0.45   | cps   |
| Rhodium    | 103-2 | 3256336 | 3277477 | 3313938 | 3282584 | 0.89   | cps   |
| Scandium   | 45-1  | 4822301 | 4853139 | 4820832 | 4832090 | 0.38   | cps   |
| Scandium   | 45-2  | 238760  | 238509  | 239086  | 238785  | 0.12   | cps   |
| Selenium   | 77-2  | 840     | 890     | 930     | 887     | 5.09   | cps   |
| Selenium   | 78-2  | 3243    | 3169    | 3080    | 3164    | 2.58   | cps   |
| Selenium   | 82-1  | 19896   | 20076   | 19799   | 19924   | 0.70   | cps   |
| Silicon    | 28-1  | 2075616 | 2085656 | 2085545 | 2082272 | 0.28   | cps   |
| Silver     | 109-1 | 656991  | 655936  | 662736  | 658554  | 0.56   | cps   |
| Silver     | 107-1 | 691651  | 699213  | 695510  | 695458  | 0.54   | cps   |
| Sodium     | 23-2  | 596913  | 598431  | 601543  | 598962  | 0.39   | cps   |
| Strontium  | 86-1  | 840741  | 848730  | 853627  | 847699  | 0.77   | cps   |
| Strontium  | 88-1  | 7402322 | 7444184 | 7489599 | 7445368 | 0.59   | cps   |
| Sulfur     | 34-1  | 356908  | 358957  | 359469  | 358445  | 0.38   | cps   |
| Terbium    | 159-1 | 9137825 | 9013120 | 9067637 | 9072861 | 0.69   | cps   |
| Terbium    | 159-2 | 4113897 | 4084590 | 4222113 | 4140200 | 1.75   | cps   |
| Thallium   | 203-1 | 971861  | 979326  | 979140  | 976776  | 0.44   | cps   |
| Thallium   | 205-1 | 2273708 | 2304117 | 2295948 | 2291258 | 0.69   | cps   |
| Tin        | 118-1 | 2147249 | 2142344 | 2165670 | 2151754 | 0.57   | cps   |
| Titanium   | 47-1  | 415649  | 421063  | 417023  | 417912  | 0.67   | cps   |
| Uranium    | 238-1 | 8695262 | 8678578 | 8626994 | 8666944 | 0.41   | cps   |
| Vanadium   | 51-2  | 159024  | 161015  | 159839  | 159959  | 0.63   | cps   |
| Yttrium    | 89-1  | 7834653 | 7807474 | 7787261 | 7809796 | 0.30   | cps   |
| Yttrium    | 89-2  | 1136576 | 1139152 | 1145207 | 1140312 | 0.39   | cps   |
| Zinc       | 66-2  | 62835   | 63709   | 63367   | 63303   | 0.70   | cps   |
| Zirconium  | 90-1  | 4982868 | 5021428 | 4950936 | 4985077 | 0.71   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB91015             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-10-21 15:16:42 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1105695 | 1105232 | 1102497 | 1104475 | 0.16   | cps   |



LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:20:08 DataFile Name : 013CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 50      | 58      | 100     | 69      | 38.57  | cps   |
| Antimony   | 121-1 | 5768    | 5310    | 5093    | 5390    | 6.40   | cps   |
| Arsenic    | 75-2  | 11      | 17      | 30      | 19      | 49.66  | cps   |
| Barium     | 135-1 | 50      | 8       | 67      | 42      | 72.12  | cps   |
| Barium     | 137-1 | 117     | 100     | 50      | 89      | 39.03  | cps   |
| Beryllium  | 9-1   | 94      | 100     | 111     | 102     | 8.33   | cps   |
| Bismuth    | 209-1 | 4950846 | 4928923 | 4973217 | 4950995 | 0.45   | cps   |
| Bismuth    | 209-2 | 3045296 | 3049828 | 3071412 | 3055512 | 0.46   | cps   |
| Boron      | 10-1  | 1800    | 1500    | 1492    | 1597    | 11.00  | cps   |
| Boron      | 11-1  | 8036    | 8253    | 8052    | 8114    | 1.49   | cps   |
| Cadmium    | 111-1 | 1271    | 1187    | 1335    | 1264    | 5.89   | cps   |
| Cadmium    | 106-1 | 1800    | 1684    | 1900    | 1795    | 6.04   | cps   |
| Cadmium    | 108-1 | 8       | 0       | 17      | 8       | 100.02 | cps   |
| Calcium    | 43-1  | 500     | 533     | 458     | 497     | 7.56   | cps   |
| Calcium    | 44-1  | 42186   | 42354   | 42370   | 42303   | 0.24   | cps   |
| Chromium   | 52-2  | 1233    | 1157    | 1413    | 1268    | 10.39  | cps   |
| Cobalt     | 59-2  | 113     | 100     | 100     | 104     | 7.37   | cps   |
| Copper     | 63-2  | 923     | 923     | 873     | 907     | 3.18   | cps   |
| Dysprosium | 156-1 | 8       | 0       | 8       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 0       | 7       | 0       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 25      | 17      | 0       | 14      | 91.65  | cps   |
| Erbium     | 164-2 | 20      | 10      | 10      | 13      | 43.30  | cps   |
| Gadolinium | 160-1 | 58      | 75      | 67      | 67      | 12.49  | cps   |
| Gadolinium | 160-2 | 20      | 53      | 73      | 49      | 55.11  | cps   |
| Holmium    | 165-1 | 8817127 | 8762585 | 8807086 | 8795600 | 0.33   | cps   |
| Holmium    | 165-2 | 4024260 | 4128482 | 4121937 | 4091559 | 1.43   | cps   |
| Indium     | 115-1 | 7140427 | 7161195 | 7266411 | 7189345 | 0.94   | cps   |
| Indium     | 115-2 | 1329715 | 1360122 | 1349970 | 1346602 | 1.15   | cps   |
| Iron       | 56-2  | 5835    | 5735    | 5779    | 5783    | 0.87   | cps   |
| Iron       | 57-2  | 250     | 300     | 306     | 285     | 10.73  | cps   |
| Lead       | 206-1 | 933     | 900     | 928     | 920     | 1.94   | cps   |
| Lead       | 207-1 | 794     | 750     | 928     | 824     | 11.23  | cps   |
| Lead       | 208-1 | 3867    | 3411    | 4217    | 3832    | 10.54  | cps   |
| Lithium    | 6-1   | 1135976 | 1128623 | 1127966 | 1130855 | 0.39   | cps   |
| Magnesium  | 24-2  | 633     | 433     | 483     | 517     | 20.15  | cps   |
| Manganese  | 55-2  | 87      | 137     | 97      | 107     | 24.80  | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:20:08 DataFile Name : 013CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 842     | 792     | 683     | 772     | 10.48  | cps   |
| Molybdenum | 95-1  | 850     | 850     | 800     | 833     | 3.46   | cps   |
| Molybdenum | 96-1  | 1192    | 1000    | 867     | 1020    | 16.03  | cps   |
| Molybdenum | 97-1  | 617     | 517     | 458     | 531     | 15.09  | cps   |
| Molybdenum | 98-1  | 1542    | 1417    | 1442    | 1467    | 4.51   | cps   |
| Neodymium  | 150-1 | 0       | 7       | 7       | 4       | 86.60  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 113     | 110     | 103     | 109     | 4.68   | cps   |
| Phosphorus | 31-2  | 58      | 58      | 83      | 67      | 21.65  | cps   |
| Potassium  | 39-2  | 28437   | 28712   | 29280   | 28809   | 1.49   | cps   |
| Rhodium    | 103-1 | 6969487 | 6908671 | 6917905 | 6932021 | 0.47   | cps   |
| Rhodium    | 103-2 | 3209792 | 3254329 | 3262821 | 3242314 | 0.88   | cps   |
| Scandium   | 45-1  | 4874126 | 4782061 | 4702461 | 4786216 | 1.79   | cps   |
| Scandium   | 45-2  | 232575  | 235368  | 234087  | 234010  | 0.60   | cps   |
| Selenium   | 77-2  | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 63      | 74      | 56      | 64      | 14.51  | cps   |
| Selenium   | 82-1  | 43      | 3       | 18      | 21      | 94.23  | cps   |
| Silicon    | 28-1  | 297182  | 292915  | 297668  | 295921  | 0.88   | cps   |
| Silver     | 109-1 | 133     | 167     | 167     | 156     | 12.37  | cps   |
| Silver     | 107-1 | 133     | 133     | 150     | 139     | 6.93   | cps   |
| Sodium     | 23-2  | 28670   | 27835   | 28561   | 28355   | 1.60   | cps   |
| Strontium  | 86-1  | 500     | 542     | 525     | 522     | 4.02   | cps   |
| Strontium  | 88-1  | 267     | 392     | 350     | 336     | 18.94  | cps   |
| Sulfur     | 34-1  | 364191  | 363394  | 365554  | 364379  | 0.30   | cps   |
| Terbium    | 159-1 | 9176099 | 9113644 | 8938842 | 9076195 | 1.35   | cps   |
| Terbium    | 159-2 | 4152489 | 4099377 | 4077722 | 4109863 | 0.94   | cps   |
| Thallium   | 203-1 | 375     | 400     | 383     | 386     | 3.30   | cps   |
| Thallium   | 205-1 | 1058    | 1000    | 858     | 972     | 10.58  | cps   |
| Tin        | 118-1 | 2242    | 2150    | 2050    | 2147    | 4.46   | cps   |
| Titanium   | 47-1  | 92      | 100     | 167     | 119     | 34.42  | cps   |
| Uranium    | 238-1 | 358     | 233     | 317     | 303     | 21.02  | cps   |
| Vanadium   | 51-2  | 17      | 13      | 13      | 14      | 13.35  | cps   |
| Yttrium    | 89-1  | 7728221 | 7711822 | 7727994 | 7722679 | 0.12   | cps   |
| Yttrium    | 89-2  | 1107447 | 1125063 | 1129870 | 1120793 | 1.05   | cps   |
| Zinc       | 66-2  | 403     | 353     | 410     | 389     | 7.96   | cps   |
| Zirconium  | 90-1  | 1100    | 1142    | 1167    | 1136    | 2.96   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:20:08 | DataFile Name :   | 013CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 217  | 200  | 267  | 228     | 15.23  | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P7  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:23:35 DataFile Name : 014ICSA01.d

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 5423333   | 5461846   | 5521604   | 5468928   | 0.91   | cps   |
| Antimony   | 121-1 | 11021     | 10121     | 10830     | 10657     | 4.45   | cps   |
| Arsenic    | 75-2  | 85        | 85        | 89        | 86        | 2.47   | cps   |
| Barium     | 135-1 | 1734      | 2034      | 1875      | 1881      | 7.98   | cps   |
| Barium     | 137-1 | 3476      | 3526      | 3092      | 3364      | 7.05   | cps   |
| Beryllium  | 9-1   | 333       | 389       | 378       | 367       | 8.02   | cps   |
| Bismuth    | 209-1 | 4740046   | 4727394   | 4840869   | 4769436   | 1.30   | cps   |
| Bismuth    | 209-2 | 2814321   | 2937293   | 2986307   | 2912640   | 3.04   | cps   |
| Boron      | 10-1  | 1258      | 1242      | 1158      | 1220      | 4.39   | cps   |
| Boron      | 11-1  | 6352      | 5868      | 5985      | 6068      | 4.16   | cps   |
| Cadmium    | 111-1 | 1846      | 1892      | 1813      | 1850      | 2.14   | cps   |
| Cadmium    | 106-1 | 1834      | 1817      | 1775      | 1809      | 1.66   | cps   |
| Cadmium    | 108-1 | 971       | 942       | 929       | 947       | 2.26   | cps   |
| Calcium    | 43-1  | 1694367   | 1663596   | 1668258   | 1675407   | 0.99   | cps   |
| Calcium    | 44-1  | 26993741  | 27006809  | 27143827  | 27048126  | 0.31   | cps   |
| Chromium   | 52-2  | 38731     | 38972     | 38734     | 38812     | 0.36   | cps   |
| Cobalt     | 59-2  | 3644      | 3500      | 3647      | 3597      | 2.33   | cps   |
| Copper     | 63-2  | 17798     | 17581     | 17911     | 17763     | 0.95   | cps   |
| Dysprosium | 156-1 | 8         | 42        | 33        | 28        | 62.46  | cps   |
| Dysprosium | 156-2 | 17        | 7         | 20        | 14        | 48.02  | cps   |
| Erbium     | 164-1 | 33        | 33        | 25        | 31        | 15.74  | cps   |
| Erbium     | 164-2 | 17        | 13        | 17        | 16        | 12.40  | cps   |
| Gadolinium | 160-1 | 83        | 100       | 67        | 83        | 20.00  | cps   |
| Gadolinium | 160-2 | 27        | 63        | 47        | 46        | 40.29  | cps   |
| Holmium    | 165-1 | 8862854   | 8727818   | 8671147   | 8753940   | 1.13   | cps   |
| Holmium    | 165-2 | 3939905   | 4005471   | 4069334   | 4004904   | 1.62   | cps   |
| Indium     | 115-1 | 6962357   | 7064276   | 6999814   | 7008816   | 0.74   | cps   |
| Indium     | 115-2 | 1263603   | 1310042   | 1315754   | 1296467   | 2.21   | cps   |
| Iron       | 56-2  | 141262986 | 140688475 | 143150275 | 141700579 | 0.91   | cps   |
| Iron       | 57-2  | 3558037   | 3598433   | 3601121   | 3585863   | 0.67   | cps   |
| Lead       | 206-1 | 19036     | 18892     | 18597     | 18842     | 1.19   | cps   |
| Lead       | 207-1 | 14853     | 15598     | 14937     | 15129     | 2.70   | cps   |
| Lead       | 208-1 | 71749     | 72016     | 70797     | 71521     | 0.90   | cps   |
| Lithium    | 6-1   | 1097407   | 1078536   | 1080293   | 1085412   | 0.96   | cps   |
| Magnesium  | 24-2  | 14276122  | 14150784  | 14133669  | 14186858  | 0.55   | cps   |
| Manganese  | 55-2  | 8039      | 8016      | 8042      | 8032      | 0.18   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P7  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:23:35 DataFile Name : 014ICSA01.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 3112991  | 3141970  | 3115508  | 3123490  | 0.51   | cps   |
| Molybdenum | 95-1  | 5640627  | 5625447  | 5676622  | 5647565  | 0.47   | cps   |
| Molybdenum | 96-1  | 6113432  | 6245943  | 6144032  | 6167802  | 1.12   | cps   |
| Molybdenum | 97-1  | 3389936  | 3410349  | 3397819  | 3399368  | 0.30   | cps   |
| Molybdenum | 98-1  | 9182425  | 9069875  | 9175667  | 9142656  | 0.69   | cps   |
| Neodymium  | 150-1 | 13       | 33       | 13       | 20       | 57.74  | cps   |
| Neodymium  | 150-2 | 23       | 3        | 10       | 12       | 83.33  | cps   |
| Nickel     | 60-2  | 4347     | 4344     | 4564     | 4419     | 2.85   | cps   |
| Phosphorus | 31-2  | 354861   | 359135   | 359437   | 357811   | 0.72   | cps   |
| Potassium  | 39-2  | 12959391 | 12817806 | 12808005 | 12861734 | 0.66   | cps   |
| Rhodium    | 103-1 | 6640305  | 6565133  | 6647653  | 6617697  | 0.69   | cps   |
| Rhodium    | 103-2 | 2991446  | 3116400  | 3123502  | 3077116  | 2.41   | cps   |
| Scandium   | 45-1  | 4765624  | 4758237  | 4682654  | 4735505  | 0.97   | cps   |
| Scandium   | 45-2  | 222417   | 231555   | 231517   | 228496   | 2.30   | cps   |
| Selenium   | 77-2  | 0        | 0        | 13       | 4        | 173.21 | cps   |
| Selenium   | 78-2  | 46       | 65       | 63       | 58       | 17.57  | cps   |
| Selenium   | 82-1  | 31       | -15      | -2       | 5        | 501.75 | cps   |
| Silicon    | 28-1  | 403853   | 404850   | 401239   | 403314   | 0.46   | cps   |
| Silver     | 109-1 | 717      | 800      | 958      | 825      | 14.88  | cps   |
| Silver     | 107-1 | 867      | 817      | 1042     | 908      | 13.01  | cps   |
| Sodium     | 23-2  | 27804082 | 27580310 | 27443770 | 27609387 | 0.66   | cps   |
| Strontium  | 86-1  | 59934    | 59759    | 58889    | 59527    | 0.94   | cps   |
| Strontium  | 88-1  | 521738   | 518073   | 516488   | 518766   | 0.52   | cps   |
| Sulfur     | 34-1  | 3117228  | 3144138  | 3090004  | 3117123  | 0.87   | cps   |
| Terbium    | 159-1 | 9077347  | 9101107  | 9086228  | 9088227  | 0.13   | cps   |
| Terbium    | 159-2 | 3845013  | 4006345  | 4024547  | 3958635  | 2.50   | cps   |
| Thallium   | 203-1 | 592      | 592      | 492      | 558      | 10.34  | cps   |
| Thallium   | 205-1 | 1267     | 1508     | 1342     | 1372     | 9.01   | cps   |
| Tin        | 118-1 | 1825     | 1609     | 1784     | 1739     | 6.61   | cps   |
| Titanium   | 47-1  | 1637914  | 1641543  | 1632225  | 1637227  | 0.29   | cps   |
| Uranium    | 238-1 | 592      | 567      | 325      | 494      | 29.79  | cps   |
| Vanadium   | 51-2  | 280      | 247      | 253      | 260      | 6.79   | cps   |
| Yttrium    | 89-1  | 7707781  | 7511156  | 7620301  | 7613080  | 1.29   | cps   |
| Yttrium    | 89-2  | 1070456  | 1107192  | 1108884  | 1095511  | 1.98   | cps   |
| Zinc       | 66-2  | 3661     | 3814     | 3951     | 3808     | 3.81   | cps   |
| Zirconium  | 90-1  | 3442     | 2750     | 2384     | 2859     | 18.80  | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB91015             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-10-21 15:23:35 | DataFile Name :   | 014ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 758  | 742  | 683  | 728     | 5.41   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : ICSAB01 Instrumnet Name : P7  
 Client Sample ID : ICSAB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:26:59 DataFile Name : 015ICSB.d

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 5455954   | 5469392   | 5425779   | 5450375   | 0.41   | cps   |
| Antimony   | 121-1 | 130527    | 133800    | 132917    | 132415    | 1.28   | cps   |
| Arsenic    | 75-2  | 4927      | 4806      | 4977      | 4903      | 1.79   | cps   |
| Barium     | 135-1 | 29298     | 29399     | 29850     | 29516     | 1.00   | cps   |
| Barium     | 137-1 | 49974     | 49958     | 50092     | 50008     | 0.15   | cps   |
| Beryllium  | 9-1   | 21688     | 22239     | 21415     | 21781     | 1.93   | cps   |
| Bismuth    | 209-1 | 4737265   | 4764148   | 4705433   | 4735615   | 0.62   | cps   |
| Bismuth    | 209-2 | 2911538   | 2918945   | 3037453   | 2955979   | 2.39   | cps   |
| Boron      | 10-1  | 6193      | 6360      | 6193      | 6249      | 1.54   | cps   |
| Boron      | 11-1  | 29972     | 30699     | 31868     | 30846     | 3.10   | cps   |
| Cadmium    | 111-1 | 28938     | 29407     | 29341     | 29229     | 0.87   | cps   |
| Cadmium    | 106-1 | 4734      | 5184      | 5009      | 4976      | 4.56   | cps   |
| Cadmium    | 108-1 | 3142      | 3250      | 3175      | 3189      | 1.74   | cps   |
| Calcium    | 43-1  | 1662963   | 1667459   | 1672193   | 1667538   | 0.28   | cps   |
| Calcium    | 44-1  | 26455793  | 26922738  | 27256895  | 26878475  | 1.50   | cps   |
| Chromium   | 52-2  | 76179     | 76504     | 76220     | 76301     | 0.23   | cps   |
| Cobalt     | 59-2  | 63219     | 64605     | 65107     | 64310     | 1.52   | cps   |
| Copper     | 63-2  | 60592     | 61763     | 61164     | 61173     | 0.96   | cps   |
| Dysprosium | 156-1 | 8         | 33        | 33        | 25        | 57.75  | cps   |
| Dysprosium | 156-2 | 10        | 7         | 20        | 12        | 56.76  | cps   |
| Erbium     | 164-1 | 67        | 33        | 33        | 44        | 43.31  | cps   |
| Erbium     | 164-2 | 27        | 40        | 17        | 28        | 42.13  | cps   |
| Gadolinium | 160-1 | 75        | 75        | 100       | 83        | 17.32  | cps   |
| Gadolinium | 160-2 | 47        | 93        | 77        | 72        | 32.74  | cps   |
| Holmium    | 165-1 | 8609151   | 8700489   | 8818117   | 8709252   | 1.20   | cps   |
| Holmium    | 165-2 | 4089351   | 4043766   | 4128584   | 4087234   | 1.04   | cps   |
| Indium     | 115-1 | 6974240   | 7049329   | 6884791   | 6969453   | 1.18   | cps   |
| Indium     | 115-2 | 1314839   | 1298794   | 1360535   | 1324723   | 2.42   | cps   |
| Iron       | 56-2  | 140696875 | 141439875 | 139553245 | 140563332 | 0.68   | cps   |
| Iron       | 57-2  | 3531905   | 3583147   | 3581112   | 3565388   | 0.81   | cps   |
| Lead       | 206-1 | 100712    | 102555    | 101909    | 101725    | 0.92   | cps   |
| Lead       | 207-1 | 84328     | 84300     | 84852     | 84493     | 0.37   | cps   |
| Lead       | 208-1 | 392408    | 395090    | 394575    | 394024    | 0.36   | cps   |
| Lithium    | 6-1   | 1060250   | 1068617   | 1044171   | 1057679   | 1.17   | cps   |
| Magnesium  | 24-2  | 13928807  | 14115704  | 14129484  | 14057998  | 0.80   | cps   |
| Manganese  | 55-2  | 29219     | 28768     | 29286     | 29091     | 0.97   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:26:59 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 3337996  | 3319310  | 3302447  | 3319918  | 0.54   | cps   |
| Molybdenum | 95-1  | 5747843  | 5764765  | 5756921  | 5756510  | 0.15   | cps   |
| Molybdenum | 96-1  | 6257331  | 6190105  | 6332227  | 6259888  | 1.14   | cps   |
| Molybdenum | 97-1  | 3484459  | 3461366  | 3497314  | 3481046  | 0.52   | cps   |
| Molybdenum | 98-1  | 9412391  | 9350150  | 9332890  | 9365143  | 0.45   | cps   |
| Neodymium  | 150-1 | 40       | 33       | 27       | 33       | 20.00  | cps   |
| Neodymium  | 150-2 | 23       | 0        | 3        | 9        | 142.00 | cps   |
| Nickel     | 60-2  | 20404    | 20418    | 20254    | 20359    | 0.45   | cps   |
| Phosphorus | 31-2  | 354795   | 357607   | 358373   | 356925   | 0.53   | cps   |
| Potassium  | 39-2  | 12883053 | 13074039 | 12876540 | 12944544 | 0.87   | cps   |
| Rhodium    | 103-1 | 6489990  | 6647723  | 6623182  | 6586965  | 1.29   | cps   |
| Rhodium    | 103-2 | 3129162  | 3099414  | 3194257  | 3140944  | 1.54   | cps   |
| Scandium   | 45-1  | 4650567  | 4710335  | 4757115  | 4706006  | 1.13   | cps   |
| Scandium   | 45-2  | 234069   | 228632   | 238411   | 233704   | 2.10   | cps   |
| Selenium   | 77-2  | 77       | 90       | 83       | 83       | 8.00   | cps   |
| Selenium   | 78-2  | 344      | 378      | 415      | 379      | 9.29   | cps   |
| Selenium   | 82-1  | 1947     | 1934     | 2026     | 1969     | 2.55   | cps   |
| Silicon    | 28-1  | 535874   | 542601   | 540188   | 539554   | 0.63   | cps   |
| Silver     | 109-1 | 125327   | 127773   | 128203   | 127101   | 1.22   | cps   |
| Silver     | 107-1 | 133054   | 133324   | 131918   | 132765   | 0.56   | cps   |
| Sodium     | 23-2  | 27453310 | 27376506 | 27576791 | 27468869 | 0.37   | cps   |
| Strontium  | 86-1  | 120754   | 121200   | 121360   | 121105   | 0.26   | cps   |
| Strontium  | 88-1  | 1047943  | 1054213  | 1050022  | 1050726  | 0.30   | cps   |
| Sulfur     | 34-1  | 3043706  | 3098701  | 3091517  | 3077975  | 0.97   | cps   |
| Terbium    | 159-1 | 8994786  | 9128358  | 9111780  | 9078308  | 0.80   | cps   |
| Terbium    | 159-2 | 4071691  | 3984899  | 4092832  | 4049807  | 1.41   | cps   |
| Thallium   | 203-1 | 97406    | 99681    | 97708    | 98265    | 1.26   | cps   |
| Thallium   | 205-1 | 237534   | 236372   | 239161   | 237689   | 0.59   | cps   |
| Tin        | 118-1 | 158045   | 161990   | 159489   | 159841   | 1.25   | cps   |
| Titanium   | 47-1  | 1658704  | 1670687  | 1682819  | 1670737  | 0.72   | cps   |
| Uranium    | 238-1 | 589229   | 595127   | 583617   | 589325   | 0.98   | cps   |
| Vanadium   | 51-2  | 31791    | 32225    | 32429    | 32149    | 1.01   | cps   |
| Yttrium    | 89-1  | 7654964  | 7656279  | 7677111  | 7662785  | 0.16   | cps   |
| Yttrium    | 89-2  | 1113783  | 1103755  | 1142062  | 1119866  | 1.77   | cps   |
| Zinc       | 66-2  | 9884     | 9660     | 9603     | 9716     | 1.52   | cps   |
| Zirconium  | 90-1  | 363390   | 354396   | 359240   | 359009   | 1.25   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:26:59 | DataFile Name :   | 015ICSB.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zirconium | 91-1 | 80880 | 78449 | 82554 | 80627   | 2.56   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV08               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV08               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 15:30:24 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 2943504   | 2986684   | 2968050   | 2966079   | 0.73   | cps   |
| Antimony   | 121-1 | 3003019   | 3035747   | 3038106   | 3025624   | 0.65   | cps   |
| Arsenic    | 75-2  | 121355    | 121908    | 122021    | 121761    | 0.29   | cps   |
| Barium     | 135-1 | 3195405   | 3195738   | 3174271   | 3188471   | 0.39   | cps   |
| Barium     | 137-1 | 5551137   | 5530178   | 5590174   | 5557163   | 0.55   | cps   |
| Beryllium  | 9-1   | 517356    | 528112    | 527356    | 524275    | 1.15   | cps   |
| Bismuth    | 209-1 | 4713422   | 4578220   | 4661268   | 4650970   | 1.47   | cps   |
| Bismuth    | 209-2 | 2928098   | 2917208   | 2941797   | 2929034   | 0.42   | cps   |
| Boron      | 10-1  | 69518     | 72834     | 73579     | 71977     | 3.00   | cps   |
| Boron      | 11-1  | 350895    | 357489    | 360924    | 356436    | 1.43   | cps   |
| Cadmium    | 111-1 | 671185    | 669712    | 663779    | 668225    | 0.59   | cps   |
| Cadmium    | 106-1 | 73466     | 74605     | 72444     | 73505     | 1.47   | cps   |
| Cadmium    | 108-1 | 47918     | 49286     | 48842     | 48682     | 1.43   | cps   |
| Calcium    | 43-1  | 4284043   | 4292645   | 4279627   | 4285438   | 0.15   | cps   |
| Calcium    | 44-1  | 68855724  | 68962237  | 68543089  | 68787017  | 0.32   | cps   |
| Chromium   | 52-2  | 1016052   | 1021057   | 1025045   | 1020718   | 0.44   | cps   |
| Cobalt     | 59-2  | 1464537   | 1480747   | 1489290   | 1478191   | 0.85   | cps   |
| Copper     | 63-2  | 2031285   | 2043368   | 2049583   | 2041412   | 0.46   | cps   |
| Dysprosium | 156-1 | 75        | 42        | 58        | 58        | 28.57  | cps   |
| Dysprosium | 156-2 | 33        | 33        | 37        | 34        | 5.60   | cps   |
| Erbium     | 164-1 | 83        | 67        | 50        | 67        | 25.00  | cps   |
| Erbium     | 164-2 | 7         | 23        | 27        | 19        | 56.72  | cps   |
| Gadolinium | 160-1 | 100       | 83        | 50        | 78        | 32.74  | cps   |
| Gadolinium | 160-2 | 83        | 70        | 73        | 76        | 9.18   | cps   |
| Holmium    | 165-1 | 8956901   | 8632466   | 8774942   | 8788103   | 1.85   | cps   |
| Holmium    | 165-2 | 4052188   | 4030400   | 4021409   | 4034666   | 0.39   | cps   |
| Indium     | 115-1 | 6895151   | 6757000   | 6853060   | 6835070   | 1.04   | cps   |
| Indium     | 115-2 | 1335498   | 1322992   | 1320765   | 1326418   | 0.60   | cps   |
| Iron       | 56-2  | 176441004 | 176321793 | 176337432 | 176366743 | 0.04   | cps   |
| Iron       | 57-2  | 4586601   | 4657093   | 4636507   | 4626734   | 0.78   | cps   |
| Lead       | 206-1 | 1911784   | 1896855   | 1915882   | 1908174   | 0.52   | cps   |
| Lead       | 207-1 | 1746399   | 1745762   | 1742655   | 1744938   | 0.11   | cps   |
| Lead       | 208-1 | 7833475   | 7749025   | 7858761   | 7813753   | 0.74   | cps   |
| Lithium    | 6-1   | 1050105   | 1052684   | 1055731   | 1052840   | 0.27   | cps   |
| Magnesium  | 24-2  | 36195645  | 35982496  | 35904403  | 36027514  | 0.42   | cps   |
| Manganese  | 55-2  | 1031294   | 1035356   | 1039002   | 1035217   | 0.37   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV08               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV08               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 15:30:24 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 2703869  | 2691894  | 2708295  | 2701353  | 0.31   | cps   |
| Molybdenum | 95-1  | 1506817  | 1483176  | 1487391  | 1492462  | 0.84   | cps   |
| Molybdenum | 96-1  | 1920153  | 1906812  | 1893653  | 1906873  | 0.69   | cps   |
| Molybdenum | 97-1  | 922695   | 925571   | 923186   | 923817   | 0.17   | cps   |
| Molybdenum | 98-1  | 2371390  | 2394518  | 2378842  | 2381583  | 0.50   | cps   |
| Neodymium  | 150-1 | 173      | 153      | 187      | 171      | 9.81   | cps   |
| Neodymium  | 150-2 | 40       | 30       | 10       | 27       | 57.28  | cps   |
| Nickel     | 60-2  | 402235   | 406750   | 406669   | 405218   | 0.64   | cps   |
| Phosphorus | 31-2  | 38074    | 37807    | 37907    | 37930    | 0.36   | cps   |
| Potassium  | 39-2  | 16488227 | 16712676 | 16651007 | 16617303 | 0.70   | cps   |
| Rhodium    | 103-1 | 6522367  | 6442672  | 6370745  | 6445261  | 1.18   | cps   |
| Rhodium    | 103-2 | 3115641  | 3041371  | 3081080  | 3079364  | 1.21   | cps   |
| Scandium   | 45-1  | 4741099  | 4745941  | 4741122  | 4742721  | 0.06   | cps   |
| Scandium   | 45-2  | 238147   | 235121   | 235270   | 236179   | 0.72   | cps   |
| Selenium   | 77-2  | 2170     | 2084     | 2100     | 2118     | 2.17   | cps   |
| Selenium   | 78-2  | 7493     | 7482     | 7408     | 7461     | 0.62   | cps   |
| Selenium   | 82-1  | 47459    | 47976    | 47734    | 47723    | 0.54   | cps   |
| Silicon    | 28-1  | 2159197  | 2169961  | 2185929  | 2171696  | 0.62   | cps   |
| Silver     | 109-1 | 3054331  | 3040236  | 3059834  | 3051467  | 0.33   | cps   |
| Silver     | 107-1 | 3184730  | 3187685  | 3201151  | 3191189  | 0.27   | cps   |
| Sodium     | 23-2  | 70290127 | 69963752 | 69744533 | 69999470 | 0.39   | cps   |
| Strontium  | 86-1  | 901517   | 903444   | 904345   | 903102   | 0.16   | cps   |
| Strontium  | 88-1  | 7757904  | 7797258  | 7860023  | 7805062  | 0.66   | cps   |
| Sulfur     | 34-1  | 620899   | 630135   | 627250   | 626095   | 0.75   | cps   |
| Terbium    | 159-1 | 9080024  | 9078139  | 8971462  | 9043208  | 0.69   | cps   |
| Terbium    | 159-2 | 4094554  | 4052062  | 4037046  | 4061221  | 0.73   | cps   |
| Thallium   | 203-1 | 2325886  | 2319346  | 2330900  | 2325378  | 0.25   | cps   |
| Thallium   | 205-1 | 5534811  | 5541009  | 5568885  | 5548235  | 0.33   | cps   |
| Tin        | 118-1 | 2200795  | 2222343  | 2218360  | 2213833  | 0.52   | cps   |
| Titanium   | 47-1  | 426002   | 428684   | 429302   | 427996   | 0.41   | cps   |
| Uranium    | 238-1 | 8268677  | 8236581  | 8282772  | 8262677  | 0.29   | cps   |
| Vanadium   | 51-2  | 804290   | 810847   | 804470   | 806536   | 0.46   | cps   |
| Yttrium    | 89-1  | 7731216  | 7565467  | 7534219  | 7610301  | 1.39   | cps   |
| Yttrium    | 89-2  | 1144606  | 1114079  | 1140658  | 1133115  | 1.47   | cps   |
| Zinc       | 66-2  | 286702   | 291068   | 292730   | 290167   | 1.07   | cps   |
| Zirconium  | 90-1  | 5154311  | 5183871  | 5178038  | 5172073  | 0.30   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV08               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV08               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 15:30:24 | DataFile Name :   | 016CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1148175 | 1156553 | 1145523 | 1150084 | 0.50   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB08               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB08               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:33:48 | DataFile Name :   | 017CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 117     | 192     | 183     | 164     | 25.08  | cps   |
| Antimony   | 121-1 | 8820    | 8386    | 7911    | 8372    | 5.43   | cps   |
| Arsenic    | 75-2  | 26      | 19      | 33      | 26      | 28.56  | cps   |
| Barium     | 135-1 | 83      | 142     | 75      | 100     | 36.32  | cps   |
| Barium     | 137-1 | 142     | 108     | 175     | 142     | 23.53  | cps   |
| Beryllium  | 9-1   | 228     | 233     | 283     | 248     | 12.33  | cps   |
| Bismuth    | 209-1 | 4887441 | 5053320 | 4981754 | 4974171 | 1.67   | cps   |
| Bismuth    | 209-2 | 3055710 | 3055287 | 2993655 | 3034884 | 1.18   | cps   |
| Boron      | 10-1  | 2325    | 2184    | 1867    | 2125    | 11.04  | cps   |
| Boron      | 11-1  | 11913   | 11054   | 10913   | 11293   | 4.80   | cps   |
| Cadmium    | 111-1 | 1488    | 1262    | 1285    | 1345    | 9.26   | cps   |
| Cadmium    | 106-1 | 2109    | 1767    | 1792    | 1889    | 10.08  | cps   |
| Cadmium    | 108-1 | 13      | 0       | 4       | 6       | 114.53 | cps   |
| Calcium    | 43-1  | 442     | 392     | 442     | 425     | 6.79   | cps   |
| Calcium    | 44-1  | 49392   | 48272   | 47528   | 48397   | 1.94   | cps   |
| Chromium   | 52-2  | 1220    | 1330    | 1220    | 1257    | 5.05   | cps   |
| Cobalt     | 59-2  | 153     | 100     | 150     | 134     | 22.22  | cps   |
| Copper     | 63-2  | 1363    | 1283    | 1260    | 1302    | 4.16   | cps   |
| Dysprosium | 156-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 8       | 25      | 25      | 19      | 49.50  | cps   |
| Erbium     | 164-2 | 7       | 10      | 27      | 14      | 74.18  | cps   |
| Gadolinium | 160-1 | 33      | 17      | 25      | 25      | 33.32  | cps   |
| Gadolinium | 160-2 | 50      | 33      | 67      | 50      | 33.34  | cps   |
| Holmium    | 165-1 | 8829448 | 8853028 | 8919116 | 8867197 | 0.52   | cps   |
| Holmium    | 165-2 | 4045592 | 4128526 | 4010035 | 4061385 | 1.50   | cps   |
| Indium     | 115-1 | 7181123 | 7222776 | 7186786 | 7196895 | 0.31   | cps   |
| Indium     | 115-2 | 1351964 | 1361254 | 1327021 | 1346747 | 1.31   | cps   |
| Iron       | 56-2  | 11677   | 12550   | 12550   | 12259   | 4.11   | cps   |
| Iron       | 57-2  | 467     | 522     | 394     | 461     | 13.90  | cps   |
| Lead       | 206-1 | 1122    | 895     | 939     | 985     | 12.26  | cps   |
| Lead       | 207-1 | 961     | 911     | 833     | 902     | 7.14   | cps   |
| Lead       | 208-1 | 4028    | 3945    | 3900    | 3958    | 1.64   | cps   |
| Lithium    | 6-1   | 1108808 | 1112179 | 1109295 | 1110094 | 0.16   | cps   |
| Magnesium  | 24-2  | 1317    | 1467    | 1433    | 1406    | 5.60   | cps   |
| Manganese  | 55-2  | 127     | 113     | 110     | 117     | 7.56   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB08               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB08               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:33:48 | DataFile Name :   | 017CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 1500    | 1508    | 1750    | 1586    | 8.95   | cps   |
| Molybdenum | 95-1  | 1558    | 1350    | 1175    | 1361    | 14.10  | cps   |
| Molybdenum | 96-1  | 1934    | 1859    | 1650    | 1814    | 8.09   | cps   |
| Molybdenum | 97-1  | 1033    | 950     | 917     | 967     | 6.22   | cps   |
| Molybdenum | 98-1  | 2325    | 2325    | 2125    | 2259    | 5.11   | cps   |
| Neodymium  | 150-1 | 7       | 7       | 7       | 7       | 0.00   | cps   |
| Neodymium  | 150-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 103     | 70      | 113     | 96      | 23.75  | cps   |
| Phosphorus | 31-2  | 92      | 117     | 58      | 89      | 32.92  | cps   |
| Potassium  | 39-2  | 33338   | 33781   | 33514   | 33544   | 0.66   | cps   |
| Rhodium    | 103-1 | 7034213 | 7029127 | 6990960 | 7018100 | 0.34   | cps   |
| Rhodium    | 103-2 | 3259867 | 3264265 | 3179754 | 3234629 | 1.47   | cps   |
| Scandium   | 45-1  | 4931141 | 4873601 | 4823620 | 4876121 | 1.10   | cps   |
| Scandium   | 45-2  | 236568  | 238060  | 231138  | 235255  | 1.55   | cps   |
| Selenium   | 77-2  | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 96      | 72      | 70      | 80      | 18.17  | cps   |
| Selenium   | 82-1  | 21      | 71      | 3       | 32      | 109.73 | cps   |
| Silicon    | 28-1  | 302683  | 305105  | 303395  | 303728  | 0.41   | cps   |
| Silver     | 109-1 | 417     | 442     | 400     | 419     | 5.00   | cps   |
| Silver     | 107-1 | 525     | 342     | 467     | 444     | 21.07  | cps   |
| Sodium     | 23-2  | 40012   | 41141   | 40781   | 40645   | 1.42   | cps   |
| Strontium  | 86-1  | 558     | 508     | 567     | 544     | 5.80   | cps   |
| Strontium  | 88-1  | 375     | 367     | 358     | 367     | 2.27   | cps   |
| Sulfur     | 34-1  | 357865  | 357142  | 351968  | 355658  | 0.90   | cps   |
| Terbium    | 159-1 | 9105676 | 9214902 | 9164948 | 9161842 | 0.60   | cps   |
| Terbium    | 159-2 | 4099429 | 4084591 | 4001314 | 4061778 | 1.30   | cps   |
| Thallium   | 203-1 | 758     | 542     | 617     | 639     | 17.22  | cps   |
| Thallium   | 205-1 | 1825    | 1725    | 1592    | 1714    | 6.83   | cps   |
| Tin        | 118-1 | 2184    | 1875    | 1884    | 1981    | 8.87   | cps   |
| Titanium   | 47-1  | 150     | 200     | 158     | 169     | 15.81  | cps   |
| Uranium    | 238-1 | 350     | 408     | 350     | 369     | 9.12   | cps   |
| Vanadium   | 51-2  | 23      | 13      | 30      | 22      | 37.76  | cps   |
| Yttrium    | 89-1  | 7830192 | 7773513 | 7859664 | 7821123 | 0.56   | cps   |
| Yttrium    | 89-2  | 1129249 | 1128966 | 1106004 | 1121407 | 1.19   | cps   |
| Zinc       | 66-2  | 177     | 233     | 177     | 196     | 16.73  | cps   |
| Zirconium  | 90-1  | 1934    | 1984    | 1859    | 1925    | 3.27   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB08               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB08               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:33:48 | DataFile Name :   | 017CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 367  | 458  | 375  | 400     | 12.67  | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : CRI Instrumnet Name : P7  
 Client Sample ID : CRI Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:37:14 DataFile Name : 018SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 1258    | 1225    | 1275    | 1253    | 2.03   | cps   |
| Antimony   | 121-1 | 14033   | 14742   | 14666   | 14480   | 2.69   | cps   |
| Arsenic    | 75-2  | 269     | 276     | 228     | 257     | 10.07  | cps   |
| Barium     | 135-1 | 12156   | 11831   | 12348   | 12111   | 2.16   | cps   |
| Barium     | 137-1 | 21426   | 21417   | 22093   | 21645   | 1.79   | cps   |
| Beryllium  | 9-1   | 1178    | 1178    | 1300    | 1219    | 5.79   | cps   |
| Bismuth    | 209-1 | 4875893 | 4940269 | 4858905 | 4891689 | 0.88   | cps   |
| Bismuth    | 209-2 | 3033093 | 3049919 | 3046130 | 3043047 | 0.29   | cps   |
| Boron      | 10-1  | 4367    | 4234    | 4292    | 4298    | 1.56   | cps   |
| Boron      | 11-1  | 19864   | 20423   | 20439   | 20242   | 1.62   | cps   |
| Cadmium    | 111-1 | 2484    | 2633    | 2531    | 2550    | 2.98   | cps   |
| Cadmium    | 106-1 | 1825    | 2017    | 1875    | 1906    | 5.22   | cps   |
| Cadmium    | 108-1 | 92      | 71      | 117     | 93      | 24.66  | cps   |
| Calcium    | 43-1  | 8903    | 8444    | 8928    | 8758    | 3.11   | cps   |
| Calcium    | 44-1  | 175715  | 173430  | 173766  | 174304  | 0.71   | cps   |
| Chromium   | 52-2  | 5024    | 5048    | 5108    | 5060    | 0.85   | cps   |
| Cobalt     | 59-2  | 3060    | 3197    | 3080    | 3113    | 2.37   | cps   |
| Copper     | 63-2  | 5408    | 5231    | 5331    | 5323    | 1.66   | cps   |
| Dysprosium | 156-1 | 50      | 42      | 0       | 31      | 87.67  | cps   |
| Dysprosium | 156-2 | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Erbium     | 164-1 | 42      | 42      | 58      | 47      | 20.38  | cps   |
| Erbium     | 164-2 | 23      | 20      | 17      | 20      | 16.65  | cps   |
| Gadolinium | 160-1 | 58      | 67      | 42      | 56      | 22.91  | cps   |
| Gadolinium | 160-2 | 47      | 40      | 33      | 40      | 16.68  | cps   |
| Holmium    | 165-1 | 8839424 | 8678723 | 8722227 | 8746791 | 0.95   | cps   |
| Holmium    | 165-2 | 4200668 | 4108540 | 4146569 | 4151926 | 1.12   | cps   |
| Indium     | 115-1 | 7217159 | 7294253 | 7318986 | 7276799 | 0.73   | cps   |
| Indium     | 115-2 | 1355713 | 1369770 | 1350155 | 1358546 | 0.74   | cps   |
| Iron       | 56-2  | 83621   | 84392   | 85157   | 84390   | 0.91   | cps   |
| Iron       | 57-2  | 2278    | 2322    | 2156    | 2252    | 3.83   | cps   |
| Lead       | 206-1 | 4601    | 4718    | 4884    | 4734    | 3.01   | cps   |
| Lead       | 207-1 | 4240    | 4167    | 4023    | 4143    | 2.66   | cps   |
| Lead       | 208-1 | 19000   | 19428   | 19251   | 19226   | 1.12   | cps   |
| Lithium    | 6-1   | 1109239 | 1111170 | 1108134 | 1109514 | 0.14   | cps   |
| Magnesium  | 24-2  | 71094   | 70734   | 70432   | 70754   | 0.47   | cps   |
| Manganese  | 55-2  | 1167    | 1260    | 1090    | 1172    | 7.26   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:37:14 | DataFile Name :   | 018SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 12906   | 12673   | 12147   | 12575   | 3.09   | cps   |
| Molybdenum | 95-1  | 13924   | 13749   | 13640   | 13771   | 1.04   | cps   |
| Molybdenum | 96-1  | 15701   | 16260   | 15793   | 15918   | 1.88   | cps   |
| Molybdenum | 97-1  | 8778    | 8803    | 8911    | 8831    | 0.80   | cps   |
| Molybdenum | 98-1  | 22477   | 22109   | 22994   | 22527   | 1.97   | cps   |
| Neodymium  | 150-1 | 13      | 7       | 0       | 7       | 99.98  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 7       | 3       | 100.05 | cps   |
| Nickel     | 60-2  | 910     | 980     | 943     | 944     | 3.71   | cps   |
| Phosphorus | 31-2  | 117     | 175     | 125     | 139     | 22.72  | cps   |
| Potassium  | 39-2  | 94801   | 94080   | 94802   | 94561   | 0.44   | cps   |
| Rhodium    | 103-1 | 7020237 | 6980367 | 7007704 | 7002769 | 0.29   | cps   |
| Rhodium    | 103-2 | 3264328 | 3290964 | 3259075 | 3271456 | 0.52   | cps   |
| Scandium   | 45-1  | 4811461 | 4809819 | 4904003 | 4841761 | 1.11   | cps   |
| Scandium   | 45-2  | 235859  | 237042  | 235304  | 236068  | 0.38   | cps   |
| Selenium   | 77-2  | 13      | 33      | 13      | 20      | 57.74  | cps   |
| Selenium   | 78-2  | 135     | 133     | 131     | 133     | 1.39   | cps   |
| Selenium   | 82-1  | 568     | 490     | 471     | 510     | 10.07  | cps   |
| Silicon    | 28-1  | 349962  | 351741  | 349704  | 350469  | 0.32   | cps   |
| Silver     | 109-1 | 7002    | 6719    | 6944    | 6888    | 2.17   | cps   |
| Silver     | 107-1 | 7469    | 7102    | 7035    | 7202    | 3.24   | cps   |
| Sodium     | 23-2  | 172782  | 169970  | 171742  | 171498  | 0.83   | cps   |
| Strontium  | 86-1  | 2159    | 2150    | 2467    | 2259    | 7.99   | cps   |
| Strontium  | 88-1  | 14925   | 14766   | 15234   | 14975   | 1.59   | cps   |
| Sulfur     | 34-1  | 352227  | 348206  | 346719  | 349051  | 0.82   | cps   |
| Terbium    | 159-1 | 8981907 | 9017440 | 9275780 | 9091709 | 1.76   | cps   |
| Terbium    | 159-2 | 4100289 | 4124752 | 4067025 | 4097356 | 0.71   | cps   |
| Thallium   | 203-1 | 4701    | 4801    | 4876    | 4793    | 1.83   | cps   |
| Thallium   | 205-1 | 11822   | 11389   | 11964   | 11725   | 2.56   | cps   |
| Tin        | 118-1 | 22477   | 22260   | 22252   | 22330   | 0.57   | cps   |
| Titanium   | 47-1  | 3717    | 4242    | 4034    | 3998    | 6.61   | cps   |
| Uranium    | 238-1 | 15134   | 15735   | 15585   | 15485   | 2.02   | cps   |
| Vanadium   | 51-2  | 7329    | 7312    | 7429    | 7356    | 0.86   | cps   |
| Yttrium    | 89-1  | 7647467 | 7817491 | 7736152 | 7733703 | 1.10   | cps   |
| Yttrium    | 89-2  | 1134662 | 1130797 | 1128635 | 1131364 | 0.27   | cps   |
| Zinc       | 66-2  | 840     | 887     | 810     | 846     | 4.57   | cps   |
| Zirconium  | 90-1  | 12347   | 12865   | 12181   | 12464   | 2.86   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:37:14 | DataFile Name :   | 018SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 2759 | 2725 | 2767 | 2750    | 0.80   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-01DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q30DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:46:14 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 691871   | 694314   | 701275   | 695820   | 0.70   | cps   |
| Antimony   | 121-1 | 12606    | 12131    | 11530    | 12089    | 4.46   | cps   |
| Arsenic    | 75-2  | 3832     | 3597     | 3745     | 3725     | 3.19   | cps   |
| Barium     | 135-1 | 758906   | 751442   | 739308   | 749885   | 1.32   | cps   |
| Barium     | 137-1 | 1292013  | 1294510  | 1299819  | 1295447  | 0.31   | cps   |
| Beryllium  | 9-1   | 1395     | 1422     | 1500     | 1439     | 3.80   | cps   |
| Bismuth    | 209-1 | 4938041  | 4946877  | 4916122  | 4933680  | 0.32   | cps   |
| Bismuth    | 209-2 | 3032229  | 3002544  | 3051182  | 3028652  | 0.81   | cps   |
| Boron      | 10-1  | 2525     | 2359     | 2742     | 2542     | 7.56   | cps   |
| Boron      | 11-1  | 12481    | 12122    | 11880    | 12161    | 2.48   | cps   |
| Cadmium    | 111-1 | 7447     | 7325     | 7497     | 7423     | 1.19   | cps   |
| Cadmium    | 106-1 | 2392     | 2517     | 2625     | 2511     | 4.65   | cps   |
| Cadmium    | 108-1 | 488      | 471      | 429      | 463      | 6.50   | cps   |
| Calcium    | 43-1  | 1873975  | 1883032  | 1895954  | 1884320  | 0.59   | cps   |
| Calcium    | 44-1  | 30287654 | 30830305 | 30632499 | 30583486 | 0.90   | cps   |
| Chromium   | 52-2  | 64400    | 64387    | 65130    | 64639    | 0.66   | cps   |
| Cobalt     | 59-2  | 32469    | 32727    | 33455    | 32884    | 1.55   | cps   |
| Copper     | 63-2  | 161740   | 163860   | 163421   | 163007   | 0.69   | cps   |
| Dysprosium | 156-1 | 32514    | 33625    | 33175    | 33105    | 1.69   | cps   |
| Dysprosium | 156-2 | 14691    | 15022    | 14751    | 14822    | 1.19   | cps   |
| Erbium     | 164-1 | 26635    | 26718    | 26577    | 26643    | 0.27   | cps   |
| Erbium     | 164-2 | 12422    | 12756    | 13043    | 12741    | 2.44   | cps   |
| Gadolinium | 160-1 | 28773    | 30034    | 28781    | 29196    | 2.49   | cps   |
| Gadolinium | 160-2 | 15659    | 15936    | 16380    | 15992    | 2.27   | cps   |
| Holmium    | 165-1 | 8946007  | 8930003  | 8943119  | 8939710  | 0.10   | cps   |
| Holmium    | 165-2 | 4134803  | 4083853  | 4132835  | 4117163  | 0.70   | cps   |
| Indium     | 115-1 | 7179841  | 7124371  | 7170107  | 7158106  | 0.41   | cps   |
| Indium     | 115-2 | 1336105  | 1337791  | 1336638  | 1336845  | 0.06   | cps   |
| Iron       | 56-2  | 37717222 | 37414894 | 37182819 | 37438311 | 0.72   | cps   |
| Iron       | 57-2  | 960214   | 968265   | 966008   | 964829   | 0.43   | cps   |
| Lead       | 206-1 | 1702047  | 1711589  | 1693009  | 1702215  | 0.55   | cps   |
| Lead       | 207-1 | 1447781  | 1437264  | 1442639  | 1442562  | 0.36   | cps   |
| Lead       | 208-1 | 6587315  | 6613728  | 6592182  | 6597742  | 0.21   | cps   |
| Lithium    | 6-1   | 1090356  | 1076633  | 1082649  | 1083213  | 0.64   | cps   |
| Magnesium  | 24-2  | 988488   | 984247   | 995488   | 989408   | 0.57   | cps   |
| Manganese  | 55-2  | 961704   | 961767   | 967120   | 963531   | 0.32   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-01DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q30DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:46:14 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 11055    | 10704    | 10196    | 10652    | 4.05   | cps   |
| Molybdenum | 95-1  | 7127     | 6944     | 7269     | 7113     | 2.29   | cps   |
| Molybdenum | 96-1  | 9070     | 9270     | 8228     | 8856     | 6.25   | cps   |
| Molybdenum | 97-1  | 4626     | 4501     | 4618     | 4581     | 1.53   | cps   |
| Molybdenum | 98-1  | 11505    | 11255    | 11880    | 11547    | 2.73   | cps   |
| Neodymium  | 150-1 | 53444    | 54006    | 52340    | 53264    | 1.59   | cps   |
| Neodymium  | 150-2 | 19871    | 20088    | 20122    | 20027    | 0.68   | cps   |
| Nickel     | 60-2  | 90913    | 91185    | 92178    | 91425    | 0.73   | cps   |
| Phosphorus | 31-2  | 6627     | 6668     | 6635     | 6643     | 0.33   | cps   |
| Potassium  | 39-2  | 402246   | 403140   | 404645   | 403344   | 0.30   | cps   |
| Rhodium    | 103-1 | 6845669  | 6837424  | 6971050  | 6884714  | 1.09   | cps   |
| Rhodium    | 103-2 | 3216601  | 3198218  | 3211223  | 3208680  | 0.29   | cps   |
| Scandium   | 45-1  | 4838318  | 4867304  | 4874050  | 4859891  | 0.39   | cps   |
| Scandium   | 45-2  | 233574   | 232502   | 237031   | 234369   | 1.01   | cps   |
| Selenium   | 77-2  | 60       | 97       | 63       | 73       | 27.65  | cps   |
| Selenium   | 78-2  | 120      | 152      | 131      | 135      | 11.86  | cps   |
| Selenium   | 82-1  | 123      | 199      | 225      | 182      | 29.23  | cps   |
| Silicon    | 28-1  | 20107008 | 19186230 | 19387848 | 19560362 | 2.47   | cps   |
| Silver     | 109-1 | 8403     | 8753     | 9037     | 8731     | 3.64   | cps   |
| Silver     | 107-1 | 8936     | 8653     | 8836     | 8809     | 1.63   | cps   |
| Sodium     | 23-2  | 117693   | 119078   | 118886   | 118552   | 0.63   | cps   |
| Strontium  | 86-1  | 524514   | 527566   | 523682   | 525254   | 0.39   | cps   |
| Strontium  | 88-1  | 4657149  | 4653675  | 4597104  | 4635976  | 0.73   | cps   |
| Sulfur     | 34-1  | 365110   | 369020   | 367471   | 367200   | 0.54   | cps   |
| Terbium    | 159-1 | 9091019  | 9252755  | 9110088  | 9151287  | 0.97   | cps   |
| Terbium    | 159-2 | 4139329  | 4067607  | 4138526  | 4115154  | 1.00   | cps   |
| Thallium   | 203-1 | 2209     | 2309     | 2100     | 2206     | 4.72   | cps   |
| Thallium   | 205-1 | 5568     | 5026     | 5151     | 5248     | 5.41   | cps   |
| Tin        | 118-1 | 21350    | 20666    | 22385    | 21467    | 4.03   | cps   |
| Titanium   | 47-1  | 182600   | 179262   | 182401   | 181421   | 1.03   | cps   |
| Uranium    | 238-1 | 42002    | 41292    | 41284    | 41526    | 0.99   | cps   |
| Vanadium   | 51-2  | 86700    | 87638    | 88370    | 87569    | 0.96   | cps   |
| Yttrium    | 89-1  | 8138895  | 8165187  | 8109595  | 8137892  | 0.34   | cps   |
| Yttrium    | 89-2  | 1177399  | 1174087  | 1182794  | 1178093  | 0.37   | cps   |
| Zinc       | 66-2  | 268606   | 269255   | 267529   | 268463   | 0.32   | cps   |
| Zirconium  | 90-1  | 18555    | 17086    | 18012    | 17884    | 4.15   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-01DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q30DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:46:14 | DataFile Name :   | 019SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 4192 | 4051 | 3776 | 4006    | 5.29   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-03DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q33DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:49:39 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 832639   | 827805   | 832062   | 830835   | 0.32   | cps   |
| Antimony   | 121-1 | 25716    | 26751    | 25232    | 25900    | 3.00   | cps   |
| Arsenic    | 75-2  | 34768    | 34131    | 34901    | 34600    | 1.19   | cps   |
| Barium     | 135-1 | 1018568  | 1019387  | 1011582  | 1016512  | 0.42   | cps   |
| Barium     | 137-1 | 1740627  | 1730072  | 1741182  | 1737294  | 0.36   | cps   |
| Beryllium  | 9-1   | 1772     | 1756     | 1633     | 1721     | 4.41   | cps   |
| Bismuth    | 209-1 | 4937294  | 4998288  | 4935963  | 4957182  | 0.72   | cps   |
| Bismuth    | 209-2 | 3006368  | 2991800  | 3028201  | 3008789  | 0.61   | cps   |
| Boron      | 10-1  | 5835     | 5993     | 5485     | 5771     | 4.51   | cps   |
| Boron      | 11-1  | 28336    | 28778    | 29697    | 28937    | 2.40   | cps   |
| Cadmium    | 111-1 | 15265    | 15377    | 14559    | 15067    | 2.94   | cps   |
| Cadmium    | 106-1 | 3184     | 3501     | 3484     | 3389     | 5.26   | cps   |
| Cadmium    | 108-1 | 958      | 1079     | 1075     | 1038     | 6.61   | cps   |
| Calcium    | 43-1  | 1563582  | 1557675  | 1572289  | 1564515  | 0.47   | cps   |
| Calcium    | 44-1  | 25576532 | 25427425 | 25564011 | 25522656 | 0.32   | cps   |
| Chromium   | 52-2  | 91760    | 90408    | 91166    | 91112    | 0.74   | cps   |
| Cobalt     | 59-2  | 42187    | 42281    | 42234    | 42234    | 0.11   | cps   |
| Copper     | 63-2  | 516938   | 514799   | 517972   | 516570   | 0.31   | cps   |
| Dysprosium | 156-1 | 34753    | 35522    | 35806    | 35360    | 1.54   | cps   |
| Dysprosium | 156-2 | 16487    | 16403    | 16517    | 16469    | 0.36   | cps   |
| Erbium     | 164-1 | 30761    | 30911    | 30276    | 30649    | 1.08   | cps   |
| Erbium     | 164-2 | 14711    | 14875    | 14591    | 14726    | 0.97   | cps   |
| Gadolinium | 160-1 | 33267    | 33008    | 33450    | 33241    | 0.67   | cps   |
| Gadolinium | 160-2 | 17939    | 17975    | 18386    | 18100    | 1.37   | cps   |
| Holmium    | 165-1 | 9077675  | 9008627  | 8981341  | 9022548  | 0.55   | cps   |
| Holmium    | 165-2 | 4185203  | 4043526  | 4090728  | 4106486  | 1.76   | cps   |
| Indium     | 115-1 | 7247717  | 7138005  | 7042789  | 7142837  | 1.44   | cps   |
| Indium     | 115-2 | 1337054  | 1317340  | 1327217  | 1327204  | 0.74   | cps   |
| Iron       | 56-2  | 42304312 | 43111012 | 42393479 | 42602934 | 1.04   | cps   |
| Iron       | 57-2  | 1090341  | 1099612  | 1102577  | 1097510  | 0.58   | cps   |
| Lead       | 206-1 | 4349217  | 4221325  | 4337457  | 4302666  | 1.64   | cps   |
| Lead       | 207-1 | 3437813  | 3426966  | 3401074  | 3421951  | 0.55   | cps   |
| Lead       | 208-1 | 16814564 | 16595378 | 16673395 | 16694446 | 0.67   | cps   |
| Lithium    | 6-1   | 1086598  | 1082330  | 1082087  | 1083672  | 0.23   | cps   |
| Magnesium  | 24-2  | 1372528  | 1370161  | 1367981  | 1370223  | 0.17   | cps   |
| Manganese  | 55-2  | 1052987  | 1063640  | 1060737  | 1059121  | 0.52   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-03DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q33DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:49:39 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 15317    | 14291    | 14992    | 14867    | 3.53   | cps   |
| Molybdenum | 95-1  | 13690    | 13707    | 13082    | 13493    | 2.64   | cps   |
| Molybdenum | 96-1  | 15935    | 16469    | 16260    | 16221    | 1.66   | cps   |
| Molybdenum | 97-1  | 8286     | 8570     | 8670     | 8508     | 2.34   | cps   |
| Molybdenum | 98-1  | 21592    | 21383    | 21926    | 21634    | 1.27   | cps   |
| Neodymium  | 150-1 | 56061    | 56142    | 55164    | 55789    | 0.97   | cps   |
| Neodymium  | 150-2 | 20906    | 21454    | 20993    | 21117    | 1.39   | cps   |
| Nickel     | 60-2  | 37508    | 37488    | 37645    | 37547    | 0.23   | cps   |
| Phosphorus | 31-2  | 23043    | 23761    | 22351    | 23052    | 3.06   | cps   |
| Potassium  | 39-2  | 1050096  | 1038258  | 1038414  | 1042256  | 0.65   | cps   |
| Rhodium    | 103-1 | 6884460  | 6960625  | 6847953  | 6897679  | 0.83   | cps   |
| Rhodium    | 103-2 | 3203421  | 3184794  | 3186258  | 3191491  | 0.32   | cps   |
| Scandium   | 45-1  | 4845384  | 4862068  | 4751677  | 4819710  | 1.23   | cps   |
| Scandium   | 45-2  | 233684   | 230973   | 227907   | 230855   | 1.25   | cps   |
| Selenium   | 77-2  | 123      | 100      | 117      | 113      | 10.61  | cps   |
| Selenium   | 78-2  | 146      | 133      | 161      | 147      | 9.46   | cps   |
| Selenium   | 82-1  | 406      | 411      | 487      | 434      | 10.46  | cps   |
| Silicon    | 28-1  | 20051632 | 19142343 | 20170685 | 19788220 | 2.84   | cps   |
| Silver     | 109-1 | 16502    | 17595    | 16836    | 16977    | 3.30   | cps   |
| Silver     | 107-1 | 18263    | 17495    | 17628    | 17795    | 2.31   | cps   |
| Sodium     | 23-2  | 316739   | 320265   | 317962   | 318322   | 0.56   | cps   |
| Strontium  | 86-1  | 869011   | 871576   | 853953   | 864847   | 1.10   | cps   |
| Strontium  | 88-1  | 7645770  | 7597772  | 7657892  | 7633812  | 0.42   | cps   |
| Sulfur     | 34-1  | 386699   | 384277   | 378880   | 383285   | 1.04   | cps   |
| Terbium    | 159-1 | 9275744  | 9148249  | 9232465  | 9218819  | 0.70   | cps   |
| Terbium    | 159-2 | 4134270  | 4028834  | 4007513  | 4056872  | 1.67   | cps   |
| Thallium   | 203-1 | 4167     | 4084     | 4343     | 4198     | 3.14   | cps   |
| Thallium   | 205-1 | 10246    | 9587     | 9487     | 9773     | 4.22   | cps   |
| Tin        | 118-1 | 55963    | 56197    | 54916    | 55692    | 1.22   | cps   |
| Titanium   | 47-1  | 196387   | 191183   | 193064   | 193545   | 1.36   | cps   |
| Uranium    | 238-1 | 101183   | 100420   | 100915   | 100839   | 0.38   | cps   |
| Vanadium   | 51-2  | 89751    | 90596    | 91454    | 90600    | 0.94   | cps   |
| Yttrium    | 89-1  | 8316574  | 8303962  | 8206472  | 8275669  | 0.73   | cps   |
| Yttrium    | 89-2  | 1177423  | 1167653  | 1162698  | 1169258  | 0.64   | cps   |
| Zinc       | 66-2  | 554124   | 550135   | 556408   | 553556   | 0.57   | cps   |
| Zirconium  | 90-1  | 19664    | 21518    | 20459    | 20547    | 4.53   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-03DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q33DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:49:39 | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 3992 | 4426 | 4092 | 4170    | 5.44   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-14DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q44DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:53:03 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 789957   | 778570   | 780111   | 782879   | 0.79   | cps   |
| Antimony   | 121-1 | 7177     | 7052     | 7502     | 7244     | 3.21   | cps   |
| Arsenic    | 75-2  | 6033     | 6148     | 5951     | 6044     | 1.63   | cps   |
| Barium     | 135-1 | 295562   | 293293   | 294453   | 294436   | 0.39   | cps   |
| Barium     | 137-1 | 514809   | 509837   | 514086   | 512911   | 0.52   | cps   |
| Beryllium  | 9-1   | 1222     | 1045     | 1128     | 1132     | 7.86   | cps   |
| Bismuth    | 209-1 | 4942956  | 4994803  | 4978341  | 4972033  | 0.53   | cps   |
| Bismuth    | 209-2 | 2974941  | 3037063  | 3017969  | 3009991  | 1.06   | cps   |
| Boron      | 10-1  | 1834     | 2067     | 2050     | 1984     | 6.56   | cps   |
| Boron      | 11-1  | 9578     | 9637     | 9595     | 9603     | 0.31   | cps   |
| Cadmium    | 111-1 | 3895     | 3848     | 3845     | 3862     | 0.73   | cps   |
| Cadmium    | 106-1 | 2125     | 1967     | 1975     | 2022     | 4.41   | cps   |
| Cadmium    | 108-1 | 163      | 179      | 150      | 164      | 8.93   | cps   |
| Calcium    | 43-1  | 170876   | 168063   | 166797   | 168579   | 1.24   | cps   |
| Calcium    | 44-1  | 2689718  | 2673793  | 2697668  | 2687060  | 0.45   | cps   |
| Chromium   | 52-2  | 28798    | 28585    | 28017    | 28467    | 1.42   | cps   |
| Cobalt     | 59-2  | 30235    | 30121    | 29961    | 30106    | 0.46   | cps   |
| Copper     | 63-2  | 79387    | 80272    | 80226    | 79962    | 0.62   | cps   |
| Dysprosium | 156-1 | 35672    | 35564    | 34720    | 35319    | 1.48   | cps   |
| Dysprosium | 156-2 | 16313    | 16193    | 16770    | 16426    | 1.85   | cps   |
| Erbium     | 164-1 | 30084    | 29224    | 29992    | 29767    | 1.59   | cps   |
| Erbium     | 164-2 | 14084    | 13874    | 13473    | 13810    | 2.25   | cps   |
| Gadolinium | 160-1 | 33007    | 34403    | 32723    | 33378    | 2.69   | cps   |
| Gadolinium | 160-2 | 17715    | 17662    | 18002    | 17793    | 1.03   | cps   |
| Holmium    | 165-1 | 8797002  | 8835604  | 8874357  | 8835654  | 0.44   | cps   |
| Holmium    | 165-2 | 4072023  | 4040466  | 4023262  | 4045250  | 0.61   | cps   |
| Indium     | 115-1 | 7123174  | 7102247  | 7300573  | 7175331  | 1.52   | cps   |
| Indium     | 115-2 | 1309971  | 1319278  | 1320464  | 1316571  | 0.44   | cps   |
| Iron       | 56-2  | 29561143 | 29512585 | 29506674 | 29526801 | 0.10   | cps   |
| Iron       | 57-2  | 752255   | 760816   | 756272   | 756448   | 0.57   | cps   |
| Lead       | 206-1 | 291677   | 287046   | 284299   | 287674   | 1.30   | cps   |
| Lead       | 207-1 | 241944   | 244535   | 243933   | 243471   | 0.56   | cps   |
| Lead       | 208-1 | 1134116  | 1134839  | 1119200  | 1129385  | 0.78   | cps   |
| Lithium    | 6-1   | 1063577  | 1066639  | 1051306  | 1060507  | 0.77   | cps   |
| Magnesium  | 24-2  | 806272   | 814715   | 815548   | 812179   | 0.63   | cps   |
| Manganese  | 55-2  | 484439   | 486421   | 484157   | 485006   | 0.25   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-14DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q44DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:53:03 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 7319     | 8313     | 7260     | 7631     | 7.75   | cps   |
| Molybdenum | 95-1  | 4559     | 4909     | 4918     | 4795     | 4.27   | cps   |
| Molybdenum | 96-1  | 5835     | 6293     | 6027     | 6052     | 3.81   | cps   |
| Molybdenum | 97-1  | 2917     | 3117     | 3109     | 3048     | 3.71   | cps   |
| Molybdenum | 98-1  | 8236     | 7919     | 8311     | 8155     | 2.55   | cps   |
| Neodymium  | 150-1 | 58317    | 58752    | 57661    | 58244    | 0.94   | cps   |
| Neodymium  | 150-2 | 22211    | 21641    | 22282    | 22045    | 1.59   | cps   |
| Nickel     | 60-2  | 33555    | 33295    | 33963    | 33604    | 1.00   | cps   |
| Phosphorus | 31-2  | 4709     | 4643     | 4468     | 4606     | 2.71   | cps   |
| Potassium  | 39-2  | 444922   | 451280   | 451730   | 449311   | 0.85   | cps   |
| Rhodium    | 103-1 | 6884403  | 6887829  | 6969417  | 6913883  | 0.70   | cps   |
| Rhodium    | 103-2 | 3188333  | 3227163  | 3214007  | 3209834  | 0.62   | cps   |
| Scandium   | 45-1  | 4773519  | 4779606  | 4814417  | 4789181  | 0.46   | cps   |
| Scandium   | 45-2  | 227443   | 228229   | 230141   | 228604   | 0.61   | cps   |
| Selenium   | 77-2  | 57       | 80       | 63       | 67       | 18.03  | cps   |
| Selenium   | 78-2  | 102      | 120      | 113      | 112      | 8.34   | cps   |
| Selenium   | 82-1  | 82       | 151      | 100      | 111      | 32.36  | cps   |
| Silicon    | 28-1  | 19238144 | 19194848 | 18990032 | 19141008 | 0.69   | cps   |
| Silver     | 109-1 | 3159     | 3259     | 3342     | 3253     | 2.82   | cps   |
| Silver     | 107-1 | 3534     | 3484     | 3459     | 3492     | 1.09   | cps   |
| Sodium     | 23-2  | 186994   | 186125   | 186361   | 186493   | 0.24   | cps   |
| Strontium  | 86-1  | 164195   | 164220   | 166261   | 164892   | 0.72   | cps   |
| Strontium  | 88-1  | 1433155  | 1446208  | 1427616  | 1435660  | 0.66   | cps   |
| Sulfur     | 34-1  | 345842   | 347698   | 342039   | 345193   | 0.84   | cps   |
| Terbium    | 159-1 | 9194084  | 9134812  | 9251378  | 9193425  | 0.63   | cps   |
| Terbium    | 159-2 | 4090505  | 3987329  | 4042667  | 4040167  | 1.28   | cps   |
| Thallium   | 203-1 | 1967     | 2184     | 2092     | 2081     | 5.23   | cps   |
| Thallium   | 205-1 | 4901     | 4926     | 5026     | 4951     | 1.34   | cps   |
| Tin        | 118-1 | 5218     | 5218     | 5176     | 5204     | 0.46   | cps   |
| Titanium   | 47-1  | 77579    | 77261    | 78308    | 77716    | 0.69   | cps   |
| Uranium    | 238-1 | 26386    | 27004    | 26545    | 26645    | 1.20   | cps   |
| Vanadium   | 51-2  | 63697    | 63081    | 62769    | 63182    | 0.75   | cps   |
| Yttrium    | 89-1  | 8164264  | 8177193  | 8106428  | 8149295  | 0.46   | cps   |
| Yttrium    | 89-2  | 1149418  | 1158829  | 1153892  | 1154046  | 0.41   | cps   |
| Zinc       | 66-2  | 35360    | 35975    | 36115    | 35816    | 1.12   | cps   |
| Zirconium  | 90-1  | 12690    | 12841    | 12398    | 12643    | 1.78   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I6027-14DLX2        | Instrumnet Name : | P7        |
| Client Sample ID :      | MH0Q44DL            | Dilution Factor : | 2         |
| Date & Time Acquired :: | 2017-10-21 15:53:03 | DataFile Name :   | 021SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 2900 | 2850 | 2709 | 2820    | 3.53   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:56:28 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 125     | 67      | 100     | 97      | 30.10  | cps   |
| Antimony   | 121-1 | 300     | 342     | 375     | 339     | 11.09  | cps   |
| Arsenic    | 75-2  | 15      | 15      | 17      | 15      | 6.96   | cps   |
| Barium     | 135-1 | 75      | 83      | 42      | 67      | 33.07  | cps   |
| Barium     | 137-1 | 83      | 100     | 175     | 119     | 40.88  | cps   |
| Beryllium  | 9-1   | 61      | 72      | 78      | 70      | 12.06  | cps   |
| Bismuth    | 209-1 | 4972858 | 4922740 | 4767940 | 4887846 | 2.19   | cps   |
| Bismuth    | 209-2 | 2983380 | 3008001 | 2982718 | 2991366 | 0.48   | cps   |
| Boron      | 10-1  | 408     | 417     | 458     | 428     | 6.26   | cps   |
| Boron      | 11-1  | 2292    | 1950    | 1834    | 2025    | 11.76  | cps   |
| Cadmium    | 111-1 | 1251    | 1113    | 1096    | 1153    | 7.38   | cps   |
| Cadmium    | 106-1 | 1792    | 1592    | 1550    | 1645    | 7.86   | cps   |
| Cadmium    | 108-1 | 17      | 8       | 8       | 11      | 43.34  | cps   |
| Calcium    | 43-1  | 483     | 358     | 383     | 408     | 16.20  | cps   |
| Calcium    | 44-1  | 39972   | 38944   | 39420   | 39445   | 1.30   | cps   |
| Chromium   | 52-2  | 1200    | 1137    | 1160    | 1166    | 2.75   | cps   |
| Cobalt     | 59-2  | 103     | 97      | 83      | 94      | 10.79  | cps   |
| Copper     | 63-2  | 1123    | 987     | 963     | 1025    | 8.44   | cps   |
| Dysprosium | 156-1 | 0       | 0       | 33      | 11      | 173.21 | cps   |
| Dysprosium | 156-2 | 7       | 3       | 0       | 3       | 100.05 | cps   |
| Erbium     | 164-1 | 8       | 8       | 33      | 17      | 86.62  | cps   |
| Erbium     | 164-2 | 27      | 27      | 10      | 21      | 45.58  | cps   |
| Gadolinium | 160-1 | 50      | 33      | 83      | 56      | 45.83  | cps   |
| Gadolinium | 160-2 | 57      | 33      | 43      | 44      | 26.35  | cps   |
| Holmium    | 165-1 | 8853472 | 8729029 | 8667621 | 8750040 | 1.08   | cps   |
| Holmium    | 165-2 | 4049201 | 4082226 | 4023574 | 4051667 | 0.73   | cps   |
| Indium     | 115-1 | 7201596 | 7123235 | 7028163 | 7117665 | 1.22   | cps   |
| Indium     | 115-2 | 1301017 | 1304297 | 1304338 | 1303217 | 0.15   | cps   |
| Iron       | 56-2  | 7007    | 7246    | 7002    | 7085    | 1.97   | cps   |
| Iron       | 57-2  | 350     | 278     | 367     | 331     | 14.25  | cps   |
| Lead       | 206-1 | 739     | 817     | 761     | 772     | 5.19   | cps   |
| Lead       | 207-1 | 639     | 656     | 744     | 680     | 8.35   | cps   |
| Lead       | 208-1 | 2978    | 3145    | 3028    | 3050    | 2.80   | cps   |
| Lithium    | 6-1   | 1041840 | 1031835 | 1031691 | 1035122 | 0.56   | cps   |
| Magnesium  | 24-2  | 467     | 475     | 450     | 464     | 2.74   | cps   |
| Manganese  | 55-2  | 100     | 77      | 97      | 91      | 13.85  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:56:28 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 242     | 300     | 242     | 261     | 12.90  | cps   |
| Molybdenum | 95-1  | 158     | 100     | 150     | 136     | 23.18  | cps   |
| Molybdenum | 96-1  | 200     | 217     | 267     | 228     | 15.23  | cps   |
| Molybdenum | 97-1  | 117     | 108     | 158     | 128     | 20.96  | cps   |
| Molybdenum | 98-1  | 275     | 208     | 208     | 231     | 16.70  | cps   |
| Neodymium  | 150-1 | 13      | 0       | 7       | 7       | 99.98  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 80      | 93      | 90      | 88      | 7.91   | cps   |
| Phosphorus | 31-2  | 42      | 83      | 58      | 61      | 34.32  | cps   |
| Potassium  | 39-2  | 25164   | 26307   | 26124   | 25865   | 2.37   | cps   |
| Rhodium    | 103-1 | 6893658 | 6884607 | 6859996 | 6879420 | 0.25   | cps   |
| Rhodium    | 103-2 | 3189710 | 3198954 | 3183973 | 3190879 | 0.24   | cps   |
| Scandium   | 45-1  | 4677440 | 4681262 | 4572911 | 4643871 | 1.32   | cps   |
| Scandium   | 45-2  | 220953  | 224283  | 219783  | 221673  | 1.05   | cps   |
| Selenium   | 77-2  | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 50      | 67      | 67      | 61      | 15.75  | cps   |
| Selenium   | 82-1  | 92      | 88      | 47      | 76      | 32.72  | cps   |
| Silicon    | 28-1  | 275715  | 276412  | 277160  | 276429  | 0.26   | cps   |
| Silver     | 109-1 | 517     | 400     | 383     | 433     | 16.77  | cps   |
| Silver     | 107-1 | 525     | 500     | 408     | 478     | 12.86  | cps   |
| Sodium     | 23-2  | 24462   | 25222   | 24830   | 24838   | 1.53   | cps   |
| Strontium  | 86-1  | 583     | 500     | 542     | 542     | 7.69   | cps   |
| Strontium  | 88-1  | 392     | 342     | 317     | 350     | 10.91  | cps   |
| Sulfur     | 34-1  | 303892  | 304375  | 306112  | 304793  | 0.38   | cps   |
| Terbium    | 159-1 | 9113944 | 9064910 | 9178470 | 9119108 | 0.62   | cps   |
| Terbium    | 159-2 | 4016526 | 4054567 | 4001458 | 4024184 | 0.68   | cps   |
| Thallium   | 203-1 | 108     | 67      | 50      | 75      | 40.06  | cps   |
| Thallium   | 205-1 | 208     | 192     | 108     | 169     | 31.62  | cps   |
| Tin        | 118-1 | 750     | 733     | 642     | 708     | 8.24   | cps   |
| Titanium   | 47-1  | 167     | 150     | 100     | 139     | 24.98  | cps   |
| Uranium    | 238-1 | 33      | 75      | 33      | 47      | 50.95  | cps   |
| Vanadium   | 51-2  | 7       | 13      | 13      | 11      | 34.61  | cps   |
| Yttrium    | 89-1  | 7616419 | 7473788 | 7538137 | 7542781 | 0.95   | cps   |
| Yttrium    | 89-2  | 1081697 | 1086689 | 1082089 | 1083491 | 0.26   | cps   |
| Zinc       | 66-2  | 240     | 213     | 193     | 216     | 10.86  | cps   |
| Zirconium  | 90-1  | 558     | 408     | 458     | 475     | 16.08  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:56:28 | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 92   | 142  | 92   | 108     | 26.65  | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : PB103518BS Instrumnet Name : P7  
 Client Sample ID : PB103518BS Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 15:59:55 DataFile Name : 023SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 125     | 92      | 100     | 106     | 16.44  | cps   |
| Antimony   | 121-1 | 258     | 475     | 450     | 394     | 30.05  | cps   |
| Arsenic    | 75-2  | 4       | 4       | 17      | 8       | 93.33  | cps   |
| Barium     | 135-1 | 133     | 192     | 125     | 150     | 24.22  | cps   |
| Barium     | 137-1 | 317     | 250     | 225     | 264     | 17.96  | cps   |
| Beryllium  | 9-1   | 67      | 83      | 83      | 78      | 12.37  | cps   |
| Bismuth    | 209-1 | 4985669 | 5009826 | 4892761 | 4962752 | 1.25   | cps   |
| Bismuth    | 209-2 | 2965553 | 2985400 | 3014538 | 2988497 | 0.82   | cps   |
| Boron      | 10-1  | 517     | 375     | 367     | 419     | 20.10  | cps   |
| Boron      | 11-1  | 1900    | 2034    | 1917    | 1950    | 3.73   | cps   |
| Cadmium    | 111-1 | 1176    | 1134    | 1150    | 1153    | 1.86   | cps   |
| Cadmium    | 106-1 | 1667    | 1600    | 1617    | 1628    | 2.13   | cps   |
| Cadmium    | 108-1 | 4       | 4       | 4       | 4       | 0.00   | cps   |
| Calcium    | 43-1  | 825     | 700     | 583     | 703     | 17.20  | cps   |
| Calcium    | 44-1  | 43641   | 43799   | 44158   | 43866   | 0.60   | cps   |
| Chromium   | 52-2  | 847     | 840     | 873     | 853     | 2.07   | cps   |
| Cobalt     | 59-2  | 120     | 120     | 123     | 121     | 1.59   | cps   |
| Copper     | 63-2  | 1100    | 1047    | 1157    | 1101    | 5.00   | cps   |
| Dysprosium | 156-1 | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Dysprosium | 156-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 17      | 0       | 33      | 17      | 99.99  | cps   |
| Erbium     | 164-2 | 33      | 10      | 20      | 21      | 55.45  | cps   |
| Gadolinium | 160-1 | 17      | 67      | 67      | 50      | 57.73  | cps   |
| Gadolinium | 160-2 | 67      | 53      | 43      | 54      | 21.51  | cps   |
| Holmium    | 165-1 | 8699930 | 8865377 | 8761267 | 8775525 | 0.95   | cps   |
| Holmium    | 165-2 | 4114967 | 4044802 | 4035615 | 4065128 | 1.07   | cps   |
| Indium     | 115-1 | 7058672 | 7205914 | 7185507 | 7150031 | 1.12   | cps   |
| Indium     | 115-2 | 1309753 | 1304481 | 1313465 | 1309233 | 0.34   | cps   |
| Iron       | 56-2  | 6874    | 7341    | 7052    | 7089    | 3.32   | cps   |
| Iron       | 57-2  | 228     | 322     | 300     | 283     | 17.43  | cps   |
| Lead       | 206-1 | 1974951 | 1947835 | 1953993 | 1958926 | 0.73   | cps   |
| Lead       | 207-1 | 1797944 | 1772555 | 1785675 | 1785391 | 0.71   | cps   |
| Lead       | 208-1 | 8213933 | 8172837 | 8147543 | 8178104 | 0.41   | cps   |
| Lithium    | 6-1   | 1041884 | 1042512 | 1042633 | 1042343 | 0.04   | cps   |
| Magnesium  | 24-2  | 750     | 683     | 575     | 669     | 13.19  | cps   |
| Manganese  | 55-2  | 417     | 413     | 413     | 414     | 0.46   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:59:55 | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 250     | 167     | 350     | 256     | 35.92  | cps   |
| Molybdenum | 95-1  | 117     | 100     | 100     | 106     | 9.12   | cps   |
| Molybdenum | 96-1  | 175     | 158     | 167     | 167     | 5.00   | cps   |
| Molybdenum | 97-1  | 125     | 142     | 125     | 131     | 7.37   | cps   |
| Molybdenum | 98-1  | 200     | 333     | 292     | 275     | 24.80  | cps   |
| Neodymium  | 150-1 | 13      | 7       | 20      | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Nickel     | 60-2  | 173     | 127     | 143     | 148     | 16.00  | cps   |
| Phosphorus | 31-2  | 108     | 50      | 83      | 81      | 36.33  | cps   |
| Potassium  | 39-2  | 26015   | 25715   | 26149   | 25960   | 0.86   | cps   |
| Rhodium    | 103-1 | 6885601 | 6935699 | 6967141 | 6929480 | 0.59   | cps   |
| Rhodium    | 103-2 | 3183333 | 3187887 | 3205042 | 3192087 | 0.36   | cps   |
| Scandium   | 45-1  | 4682010 | 4647087 | 4553984 | 4627694 | 1.43   | cps   |
| Scandium   | 45-2  | 218924  | 223102  | 221342  | 221123  | 0.95   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 56      | 44      | 48      | 49      | 11.46  | cps   |
| Selenium   | 82-1  | 70      | 69      | -21     | 39      | 133.15 | cps   |
| Silicon    | 28-1  | 280631  | 282094  | 276691  | 279806  | 1.00   | cps   |
| Silver     | 109-1 | 250     | 233     | 250     | 244     | 3.94   | cps   |
| Silver     | 107-1 | 225     | 250     | 275     | 250     | 10.00  | cps   |
| Sodium     | 23-2  | 23594   | 23761   | 24162   | 23839   | 1.22   | cps   |
| Strontium  | 86-1  | 642     | 567     | 575     | 594     | 6.92   | cps   |
| Strontium  | 88-1  | 633     | 508     | 425     | 522     | 20.08  | cps   |
| Sulfur     | 34-1  | 322447  | 318317  | 315985  | 318916  | 1.03   | cps   |
| Terbium    | 159-1 | 9007402 | 9315283 | 9055179 | 9125954 | 1.82   | cps   |
| Terbium    | 159-2 | 3949196 | 4024557 | 4021877 | 3998543 | 1.07   | cps   |
| Thallium   | 203-1 | 108     | 92      | 133     | 111     | 18.88  | cps   |
| Thallium   | 205-1 | 317     | 283     | 233     | 278     | 15.10  | cps   |
| Tin        | 118-1 | 558     | 650     | 542     | 583     | 10.00  | cps   |
| Titanium   | 47-1  | 200     | 125     | 108     | 144     | 33.80  | cps   |
| Uranium    | 238-1 | 83      | 25      | 25      | 44      | 75.78  | cps   |
| Vanadium   | 51-2  | 17      | 17      | 27      | 20      | 28.86  | cps   |
| Yttrium    | 89-1  | 7562025 | 7689097 | 7592661 | 7614594 | 0.87   | cps   |
| Yttrium    | 89-2  | 1080934 | 1078263 | 1082176 | 1080458 | 0.19   | cps   |
| Zinc       | 66-2  | 1357    | 1293    | 1373    | 1341    | 3.15   | cps   |
| Zirconium  | 90-1  | 583     | 492     | 467     | 514     | 11.95  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB103518BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB103518BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 15:59:55 | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 83   | 158  | 117  | 119     | 31.46  | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : I5986-01 Instrumnet Name : P7  
 Client Sample ID : XADP-01-GYM-BRG-W3 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:03:21 DataFile Name : 024SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 367     | 375     | 433     | 392     | 9.27   | cps   |
| Antimony   | 121-1 | 808     | 617     | 767     | 731     | 13.80  | cps   |
| Arsenic    | 75-2  | 107     | 104     | 93      | 101     | 7.62   | cps   |
| Barium     | 135-1 | 22411   | 21793   | 21651   | 21952   | 1.84   | cps   |
| Barium     | 137-1 | 37652   | 38680   | 36374   | 37568   | 3.08   | cps   |
| Beryllium  | 9-1   | 50      | 39      | 89      | 59      | 44.30  | cps   |
| Bismuth    | 209-1 | 5378284 | 5348120 | 5404960 | 5377121 | 0.53   | cps   |
| Bismuth    | 209-2 | 3051982 | 3157496 | 3190290 | 3133256 | 2.31   | cps   |
| Boron      | 10-1  | 833     | 1017    | 967     | 939     | 10.09  | cps   |
| Boron      | 11-1  | 4601    | 4676    | 4584    | 4620    | 1.06   | cps   |
| Cadmium    | 111-1 | 1426    | 1283    | 1306    | 1338    | 5.72   | cps   |
| Cadmium    | 106-1 | 1925    | 1750    | 1800    | 1825    | 4.94   | cps   |
| Cadmium    | 108-1 | 38      | 13      | 42      | 31      | 51.63  | cps   |
| Calcium    | 43-1  | 108530  | 108529  | 107674  | 108244  | 0.46   | cps   |
| Calcium    | 44-1  | 1814385 | 1779355 | 1786316 | 1793352 | 1.03   | cps   |
| Chromium   | 52-2  | 950     | 850     | 680     | 827     | 16.51  | cps   |
| Cobalt     | 59-2  | 553     | 670     | 563     | 596     | 10.86  | cps   |
| Copper     | 63-2  | 582112  | 580462  | 593477  | 585350  | 1.21   | cps   |
| Dysprosium | 156-1 | 17      | 25      | 17      | 19      | 24.73  | cps   |
| Dysprosium | 156-2 | 3       | 10      | 3       | 6       | 69.34  | cps   |
| Erbium     | 164-1 | 25      | 25      | 0       | 17      | 86.60  | cps   |
| Erbium     | 164-2 | 10      | 17      | 17      | 14      | 26.66  | cps   |
| Gadolinium | 160-1 | 100     | 50      | 58      | 69      | 38.58  | cps   |
| Gadolinium | 160-2 | 40      | 70      | 83      | 64      | 34.44  | cps   |
| Holmium    | 165-1 | 9500716 | 9652853 | 9386593 | 9513387 | 1.40   | cps   |
| Holmium    | 165-2 | 4204282 | 4264472 | 4301173 | 4256642 | 1.15   | cps   |
| Indium     | 115-1 | 7696848 | 7782695 | 7678264 | 7719269 | 0.72   | cps   |
| Indium     | 115-2 | 1379408 | 1388255 | 1395731 | 1387798 | 0.59   | cps   |
| Iron       | 56-2  | 18529   | 19113   | 18685   | 18776   | 1.61   | cps   |
| Iron       | 57-2  | 744     | 778     | 728     | 750     | 3.39   | cps   |
| Lead       | 206-1 | 9042    | 9131    | 8703    | 8959    | 2.52   | cps   |
| Lead       | 207-1 | 7580    | 7741    | 7174    | 7499    | 3.90   | cps   |
| Lead       | 208-1 | 35542   | 35631   | 33662   | 34945   | 3.18   | cps   |
| Lithium    | 6-1   | 1143632 | 1144913 | 1146682 | 1145075 | 0.13   | cps   |
| Magnesium  | 24-2  | 170560  | 173098  | 171531  | 171730  | 0.75   | cps   |
| Manganese  | 55-2  | 4404    | 4431    | 4314    | 4383    | 1.40   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-01-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:03:21 | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 725     | 600     | 625     | 650     | 10.18  | cps   |
| Molybdenum | 95-1  | 250     | 233     | 225     | 236     | 5.39   | cps   |
| Molybdenum | 96-1  | 417     | 433     | 442     | 431     | 2.96   | cps   |
| Molybdenum | 97-1  | 175     | 233     | 192     | 200     | 15.02  | cps   |
| Molybdenum | 98-1  | 325     | 342     | 400     | 356     | 11.08  | cps   |
| Neodymium  | 150-1 | 13      | 13      | 0       | 9       | 86.60  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 18258   | 18388   | 18362   | 18336   | 0.38   | cps   |
| Phosphorus | 31-2  | 1675    | 1784    | 1642    | 1700    | 4.36   | cps   |
| Potassium  | 39-2  | 89226   | 90827   | 90894   | 90316   | 1.05   | cps   |
| Rhodium    | 103-1 | 7471136 | 7508302 | 7415918 | 7465119 | 0.62   | cps   |
| Rhodium    | 103-2 | 3339295 | 3362366 | 3363971 | 3355211 | 0.41   | cps   |
| Scandium   | 45-1  | 5086593 | 5052644 | 5069964 | 5069734 | 0.33   | cps   |
| Scandium   | 45-2  | 230413  | 238383  | 238121  | 235639  | 1.92   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 69      | 61      | 65      | 65      | 5.72   | cps   |
| Selenium   | 82-1  | 54      | 46      | 85      | 62      | 33.70  | cps   |
| Silicon    | 28-1  | 3661814 | 3604374 | 3637773 | 3634653 | 0.79   | cps   |
| Silver     | 109-1 | 617     | 508     | 583     | 569     | 9.74   | cps   |
| Silver     | 107-1 | 642     | 925     | 667     | 745     | 21.08  | cps   |
| Sodium     | 23-2  | 2976514 | 2997735 | 2976073 | 2983441 | 0.41   | cps   |
| Strontium  | 86-1  | 37442   | 37776   | 37325   | 37514   | 0.62   | cps   |
| Strontium  | 88-1  | 328238  | 326318  | 318753  | 324436  | 1.55   | cps   |
| Sulfur     | 34-1  | 356995  | 353129  | 355109  | 355077  | 0.54   | cps   |
| Terbium    | 159-1 | 9917837 | 9847734 | 9954976 | 9906849 | 0.55   | cps   |
| Terbium    | 159-2 | 4242600 | 4262562 | 4260155 | 4255106 | 0.26   | cps   |
| Thallium   | 203-1 | 117     | 58      | 125     | 100     | 36.32  | cps   |
| Thallium   | 205-1 | 183     | 142     | 142     | 156     | 15.47  | cps   |
| Tin        | 118-1 | 975     | 883     | 1008    | 956     | 6.77   | cps   |
| Titanium   | 47-1  | 325     | 308     | 200     | 278     | 24.43  | cps   |
| Uranium    | 238-1 | 92      | 133     | 50      | 92      | 45.46  | cps   |
| Vanadium   | 51-2  | 180     | 167     | 153     | 167     | 8.00   | cps   |
| Yttrium    | 89-1  | 8165159 | 8306027 | 8192951 | 8221379 | 0.91   | cps   |
| Yttrium    | 89-2  | 1133559 | 1147788 | 1154129 | 1145159 | 0.92   | cps   |
| Zinc       | 66-2  | 111737  | 112583  | 112875  | 112399  | 0.53   | cps   |
| Zirconium  | 90-1  | 1950    | 1600    | 1725    | 1759    | 10.09  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-01-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:03:21 | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 508  | 350  | 350  | 403     | 22.70  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-02-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:06:47 | DataFile Name :   | 025SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 725     | 733     | 683     | 714     | 3.75   | cps   |
| Antimony   | 121-1 | 533     | 617     | 542     | 564     | 8.14   | cps   |
| Arsenic    | 75-2  | 81      | 107     | 107     | 99      | 15.16  | cps   |
| Barium     | 135-1 | 20916   | 20257   | 20341   | 20505   | 1.75   | cps   |
| Barium     | 137-1 | 35647   | 34009   | 34160   | 34605   | 2.62   | cps   |
| Beryllium  | 9-1   | 33      | 83      | 44      | 54      | 48.89  | cps   |
| Bismuth    | 209-1 | 5478915 | 5275800 | 5226347 | 5327021 | 2.51   | cps   |
| Bismuth    | 209-2 | 3147043 | 3183803 | 3159746 | 3163531 | 0.59   | cps   |
| Boron      | 10-1  | 792     | 817     | 817     | 808     | 1.79   | cps   |
| Boron      | 11-1  | 4501    | 4476    | 4784    | 4587    | 3.74   | cps   |
| Cadmium    | 111-1 | 1334    | 1177    | 1253    | 1255    | 6.26   | cps   |
| Cadmium    | 106-1 | 1859    | 1659    | 1725    | 1747    | 5.83   | cps   |
| Cadmium    | 108-1 | 13      | 25      | 13      | 17      | 43.30  | cps   |
| Calcium    | 43-1  | 115272  | 112352  | 111031  | 112885  | 1.92   | cps   |
| Calcium    | 44-1  | 1861544 | 1833401 | 1826130 | 1840358 | 1.02   | cps   |
| Chromium   | 52-2  | 733     | 767     | 740     | 747     | 2.36   | cps   |
| Cobalt     | 59-2  | 160     | 120     | 133     | 138     | 14.78  | cps   |
| Copper     | 63-2  | 438091  | 437207  | 440885  | 438728  | 0.44   | cps   |
| Dysprosium | 156-1 | 33      | 17      | 42      | 31      | 41.66  | cps   |
| Dysprosium | 156-2 | 10      | 13      | 30      | 18      | 60.28  | cps   |
| Erbium     | 164-1 | 8       | 25      | 42      | 25      | 66.68  | cps   |
| Erbium     | 164-2 | 17      | 20      | 27      | 21      | 24.12  | cps   |
| Gadolinium | 160-1 | 100     | 58      | 8       | 56      | 82.62  | cps   |
| Gadolinium | 160-2 | 70      | 47      | 77      | 64      | 24.44  | cps   |
| Holmium    | 165-1 | 9513352 | 9109898 | 9353166 | 9325472 | 2.18   | cps   |
| Holmium    | 165-2 | 4325670 | 4218919 | 4257047 | 4267212 | 1.27   | cps   |
| Indium     | 115-1 | 7615882 | 7479562 | 7482790 | 7526078 | 1.03   | cps   |
| Indium     | 115-2 | 1385999 | 1375623 | 1364546 | 1375389 | 0.78   | cps   |
| Iron       | 56-2  | 40875   | 40366   | 39822   | 40354   | 1.30   | cps   |
| Iron       | 57-2  | 1317    | 1189    | 1145    | 1217    | 7.35   | cps   |
| Lead       | 206-1 | 3940    | 3917    | 3717    | 3858    | 3.17   | cps   |
| Lead       | 207-1 | 3062    | 3245    | 3184    | 3163    | 2.95   | cps   |
| Lead       | 208-1 | 14932   | 15081   | 14876   | 14963   | 0.71   | cps   |
| Lithium    | 6-1   | 1150647 | 1129160 | 1128907 | 1136238 | 1.10   | cps   |
| Magnesium  | 24-2  | 172381  | 171303  | 168774  | 170819  | 1.08   | cps   |
| Manganese  | 55-2  | 17984   | 17851   | 17167   | 17667   | 2.48   | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : I5986-02 Instrumnet Name : P7  
 Client Sample ID : XADP-02-GYM-BRG-W3 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:06:47 DataFile Name : 025SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 550     | 533     | 600     | 561     | 6.18   | cps   |
| Molybdenum | 95-1  | 208     | 250     | 183     | 214     | 15.75  | cps   |
| Molybdenum | 96-1  | 325     | 367     | 317     | 336     | 7.97   | cps   |
| Molybdenum | 97-1  | 200     | 133     | 142     | 158     | 22.94  | cps   |
| Molybdenum | 98-1  | 350     | 342     | 358     | 350     | 2.38   | cps   |
| Neodymium  | 150-1 | 47      | 20      | 27      | 31      | 44.61  | cps   |
| Neodymium  | 150-2 | 10      | 3       | 3       | 6       | 69.34  | cps   |
| Nickel     | 60-2  | 1643    | 1660    | 1700    | 1668    | 1.75   | cps   |
| Phosphorus | 31-2  | 2300    | 2625    | 2392    | 2439    | 6.87   | cps   |
| Potassium  | 39-2  | 90609   | 89059   | 91507   | 90392   | 1.37   | cps   |
| Rhodium    | 103-1 | 7324193 | 7178257 | 7217643 | 7240031 | 1.04   | cps   |
| Rhodium    | 103-2 | 3358834 | 3347844 | 3321125 | 3342601 | 0.58   | cps   |
| Scandium   | 45-1  | 4988516 | 4866100 | 4813803 | 4889473 | 1.83   | cps   |
| Scandium   | 45-2  | 233191  | 234882  | 234310  | 234128  | 0.37   | cps   |
| Selenium   | 77-2  | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Selenium   | 78-2  | 57      | 52      | 67      | 59      | 12.77  | cps   |
| Selenium   | 82-1  | 70      | 81      | 12      | 54      | 68.16  | cps   |
| Silicon    | 28-1  | 3819354 | 3824946 | 3781422 | 3808574 | 0.62   | cps   |
| Silver     | 109-1 | 350     | 183     | 217     | 250     | 35.28  | cps   |
| Silver     | 107-1 | 242     | 225     | 275     | 247     | 10.30  | cps   |
| Sodium     | 23-2  | 2957825 | 2991466 | 2984370 | 2977887 | 0.60   | cps   |
| Strontium  | 86-1  | 39054   | 37725   | 37826   | 38202   | 1.94   | cps   |
| Strontium  | 88-1  | 339065  | 339433  | 331652  | 336717  | 1.30   | cps   |
| Sulfur     | 34-1  | 356338  | 353865  | 354314  | 354839  | 0.37   | cps   |
| Terbium    | 159-1 | 9828244 | 9678530 | 9552569 | 9686448 | 1.42   | cps   |
| Terbium    | 159-2 | 4187971 | 4214166 | 4215843 | 4205993 | 0.37   | cps   |
| Thallium   | 203-1 | 42      | 83      | 83      | 69      | 34.64  | cps   |
| Thallium   | 205-1 | 192     | 250     | 150     | 197     | 25.47  | cps   |
| Tin        | 118-1 | 692     | 658     | 717     | 689     | 4.25   | cps   |
| Titanium   | 47-1  | 408     | 467     | 342     | 406     | 15.42  | cps   |
| Uranium    | 238-1 | 183     | 192     | 292     | 222     | 27.13  | cps   |
| Vanadium   | 51-2  | 77      | 117     | 97      | 97      | 20.69  | cps   |
| Yttrium    | 89-1  | 8097348 | 7990819 | 7963997 | 8017388 | 0.88   | cps   |
| Yttrium    | 89-2  | 1149782 | 1135760 | 1138266 | 1141269 | 0.66   | cps   |
| Zinc       | 66-2  | 43304   | 43649   | 43759   | 43571   | 0.54   | cps   |
| Zirconium  | 90-1  | 1400    | 1100    | 1475    | 1325    | 14.98  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-02-GYM-BRG-W3  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:06:47 | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 275  | 350  | 317  | 314     | 11.97  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-03-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:10:14 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 967     | 650     | 833     | 817     | 19.47  | cps   |
| Antimony   | 121-1 | 617     | 517     | 483     | 539     | 12.88  | cps   |
| Arsenic    | 75-2  | 96      | 78      | 80      | 85      | 12.06  | cps   |
| Barium     | 135-1 | 19364   | 19005   | 19464   | 19278   | 1.25   | cps   |
| Barium     | 137-1 | 34177   | 34093   | 34193   | 34154   | 0.16   | cps   |
| Beryllium  | 9-1   | 50      | 56      | 50      | 52      | 6.19   | cps   |
| Bismuth    | 209-1 | 5310240 | 5308475 | 5302712 | 5307143 | 0.07   | cps   |
| Bismuth    | 209-2 | 3102707 | 2990218 | 3108865 | 3067264 | 2.18   | cps   |
| Boron      | 10-1  | 892     | 1083    | 1058    | 1011    | 10.30  | cps   |
| Boron      | 11-1  | 4393    | 4443    | 4701    | 4512    | 3.67   | cps   |
| Cadmium    | 111-1 | 1348    | 1386    | 1146    | 1293    | 9.98   | cps   |
| Cadmium    | 106-1 | 1884    | 1925    | 1600    | 1803    | 9.81   | cps   |
| Cadmium    | 108-1 | 29      | 17      | 17      | 21      | 34.64  | cps   |
| Calcium    | 43-1  | 115583  | 113946  | 114139  | 114556  | 0.78   | cps   |
| Calcium    | 44-1  | 1867611 | 1869135 | 1865557 | 1867434 | 0.10   | cps   |
| Chromium   | 52-2  | 737     | 893     | 770     | 800     | 10.32  | cps   |
| Cobalt     | 59-2  | 127     | 190     | 100     | 139     | 33.28  | cps   |
| Copper     | 63-2  | 252088  | 251117  | 251784  | 251663  | 0.20   | cps   |
| Dysprosium | 156-1 | 50      | 33      | 17      | 33      | 50.00  | cps   |
| Dysprosium | 156-2 | 3       | 13      | 7       | 8       | 65.47  | cps   |
| Erbium     | 164-1 | 17      | 17      | 25      | 19      | 24.73  | cps   |
| Erbium     | 164-2 | 17      | 20      | 30      | 22      | 31.22  | cps   |
| Gadolinium | 160-1 | 50      | 67      | 75      | 64      | 19.92  | cps   |
| Gadolinium | 160-2 | 47      | 60      | 50      | 52      | 13.28  | cps   |
| Holmium    | 165-1 | 9296646 | 9306121 | 9390048 | 9330938 | 0.55   | cps   |
| Holmium    | 165-2 | 4276708 | 4123038 | 4166288 | 4188678 | 1.89   | cps   |
| Indium     | 115-1 | 7547725 | 7548028 | 7523658 | 7539804 | 0.19   | cps   |
| Indium     | 115-2 | 1353256 | 1313115 | 1360780 | 1342384 | 1.91   | cps   |
| Iron       | 56-2  | 30393   | 32442   | 31435   | 31424   | 3.26   | cps   |
| Iron       | 57-2  | 1045    | 1089    | 1100    | 1078    | 2.73   | cps   |
| Lead       | 206-1 | 4996    | 4862    | 4679    | 4845    | 3.28   | cps   |
| Lead       | 207-1 | 3701    | 4051    | 3995    | 3916    | 4.81   | cps   |
| Lead       | 208-1 | 18900   | 18889   | 18222   | 18670   | 2.08   | cps   |
| Lithium    | 6-1   | 1122598 | 1115554 | 1128940 | 1122364 | 0.60   | cps   |
| Magnesium  | 24-2  | 170105  | 168630  | 167534  | 168757  | 0.76   | cps   |
| Manganese  | 55-2  | 10027   | 10207   | 9910    | 10048   | 1.49   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-03-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:10:14 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 475     | 442     | 583     | 500     | 14.81  | cps   |
| Molybdenum | 95-1  | 292     | 217     | 217     | 242     | 17.92  | cps   |
| Molybdenum | 96-1  | 408     | 325     | 308     | 347     | 15.43  | cps   |
| Molybdenum | 97-1  | 183     | 167     | 142     | 164     | 12.80  | cps   |
| Molybdenum | 98-1  | 333     | 425     | 275     | 344     | 21.95  | cps   |
| Neodymium  | 150-1 | 33      | 7       | 20      | 20      | 66.65  | cps   |
| Neodymium  | 150-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 5871    | 5865    | 6105    | 5947    | 2.30   | cps   |
| Phosphorus | 31-2  | 2425    | 2325    | 2284    | 2345    | 3.11   | cps   |
| Potassium  | 39-2  | 89377   | 93636   | 90266   | 91093   | 2.47   | cps   |
| Rhodium    | 103-1 | 7308843 | 7265898 | 7241659 | 7272133 | 0.47   | cps   |
| Rhodium    | 103-2 | 3275284 | 3195905 | 3301908 | 3257699 | 1.69   | cps   |
| Scandium   | 45-1  | 4943155 | 4919150 | 5040816 | 4967707 | 1.30   | cps   |
| Scandium   | 45-2  | 231775  | 224613  | 233861  | 230083  | 2.11   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 56      | 76      | 57      | 63      | 17.89  | cps   |
| Selenium   | 82-1  | 31      | 42      | 21      | 31      | 33.22  | cps   |
| Silicon    | 28-1  | 3790724 | 3816132 | 3840165 | 3815674 | 0.65   | cps   |
| Silver     | 109-1 | 217     | 200     | 167     | 194     | 13.10  | cps   |
| Silver     | 107-1 | 250     | 217     | 233     | 233     | 7.14   | cps   |
| Sodium     | 23-2  | 2931990 | 2945833 | 2912978 | 2930267 | 0.56   | cps   |
| Strontium  | 86-1  | 38812   | 39539   | 38828   | 39060   | 1.06   | cps   |
| Strontium  | 88-1  | 344989  | 338515  | 333994  | 339166  | 1.63   | cps   |
| Sulfur     | 34-1  | 363162  | 353389  | 357158  | 357903  | 1.38   | cps   |
| Terbium    | 159-1 | 9697107 | 9628539 | 9597133 | 9640926 | 0.53   | cps   |
| Terbium    | 159-2 | 4148276 | 4059400 | 4173308 | 4126995 | 1.45   | cps   |
| Thallium   | 203-1 | 83      | 67      | 50      | 67      | 25.00  | cps   |
| Thallium   | 205-1 | 200     | 142     | 167     | 169     | 17.27  | cps   |
| Tin        | 118-1 | 575     | 625     | 600     | 600     | 4.17   | cps   |
| Titanium   | 47-1  | 450     | 392     | 483     | 442     | 10.51  | cps   |
| Uranium    | 238-1 | 217     | 167     | 267     | 217     | 23.08  | cps   |
| Vanadium   | 51-2  | 110     | 117     | 117     | 114     | 3.36   | cps   |
| Yttrium    | 89-1  | 8069542 | 7993380 | 7992863 | 8018595 | 0.55   | cps   |
| Yttrium    | 89-2  | 1129874 | 1092283 | 1135387 | 1119181 | 2.10   | cps   |
| Zinc       | 66-2  | 76034   | 77098   | 76013   | 76382   | 0.81   | cps   |
| Zirconium  | 90-1  | 1183    | 1125    | 1158    | 1156    | 2.53   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-03-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:10:14 | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 300  | 258  | 175  | 244     | 26.04  | cps   |

LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : I5986-04 Instrumnet Name : P7  
 Client Sample ID : XADP-04-GYM-BRG-W2 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:13:39 DataFile Name : 027SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 783     | 833     | 767     | 795     | 4.37   | cps   |
| Antimony   | 121-1 | 467     | 525     | 550     | 514     | 8.32   | cps   |
| Arsenic    | 75-2  | 96      | 96      | 120     | 104     | 13.32  | cps   |
| Barium     | 135-1 | 20257   | 20282   | 20190   | 20243   | 0.23   | cps   |
| Barium     | 137-1 | 36298   | 34811   | 34477   | 35196   | 2.75   | cps   |
| Beryllium  | 9-1   | 72      | 44      | 72      | 63      | 25.46  | cps   |
| Bismuth    | 209-1 | 5315776 | 5316233 | 5211161 | 5281056 | 1.15   | cps   |
| Bismuth    | 209-2 | 3133855 | 3157625 | 3184630 | 3158703 | 0.80   | cps   |
| Boron      | 10-1  | 858     | 975     | 692     | 842     | 16.92  | cps   |
| Boron      | 11-1  | 4259    | 4109    | 3867    | 4078    | 4.85   | cps   |
| Cadmium    | 111-1 | 1314    | 1254    | 1145    | 1238    | 6.95   | cps   |
| Cadmium    | 106-1 | 1859    | 1759    | 1592    | 1736    | 7.76   | cps   |
| Cadmium    | 108-1 | 17      | 8       | 4       | 10      | 65.47  | cps   |
| Calcium    | 43-1  | 113644  | 115725  | 114230  | 114533  | 0.94   | cps   |
| Calcium    | 44-1  | 1832051 | 1842517 | 1839416 | 1837994 | 0.29   | cps   |
| Chromium   | 52-2  | 807     | 837     | 803     | 816     | 2.25   | cps   |
| Cobalt     | 59-2  | 83      | 93      | 63      | 80      | 19.10  | cps   |
| Copper     | 63-2  | 183455  | 185433  | 183057  | 183982  | 0.69   | cps   |
| Dysprosium | 156-1 | 42      | 58      | 33      | 44      | 28.65  | cps   |
| Dysprosium | 156-2 | 17      | 20      | 7       | 14      | 48.02  | cps   |
| Erbium     | 164-1 | 17      | 83      | 58      | 53      | 63.81  | cps   |
| Erbium     | 164-2 | 13      | 13      | 30      | 19      | 50.96  | cps   |
| Gadolinium | 160-1 | 117     | 50      | 25      | 64      | 74.17  | cps   |
| Gadolinium | 160-2 | 67      | 70      | 63      | 67      | 5.00   | cps   |
| Holmium    | 165-1 | 9281086 | 9230615 | 9316993 | 9276231 | 0.47   | cps   |
| Holmium    | 165-2 | 4260682 | 4233354 | 4247525 | 4247187 | 0.32   | cps   |
| Indium     | 115-1 | 7618455 | 7566949 | 7465848 | 7550417 | 1.03   | cps   |
| Indium     | 115-2 | 1355435 | 1376662 | 1391522 | 1374540 | 1.32   | cps   |
| Iron       | 56-2  | 70810   | 74997   | 72824   | 72877   | 2.87   | cps   |
| Iron       | 57-2  | 2056    | 2122    | 2128    | 2102    | 1.91   | cps   |
| Lead       | 206-1 | 2189    | 2222    | 2211    | 2208    | 0.77   | cps   |
| Lead       | 207-1 | 1917    | 1989    | 1695    | 1867    | 8.22   | cps   |
| Lead       | 208-1 | 8612    | 8551    | 8440    | 8535    | 1.02   | cps   |
| Lithium    | 6-1   | 1132245 | 1125321 | 1109768 | 1122445 | 1.03   | cps   |
| Magnesium  | 24-2  | 169061  | 169421  | 170266  | 169583  | 0.36   | cps   |
| Manganese  | 55-2  | 15422   | 16032   | 15588   | 15681   | 2.01   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-04-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:13:39 | DataFile Name :   | 027SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD  | Units |
|------------|-------|---------|---------|---------|---------|---------|-------|
| Molybdenum | 94-1  | 625     | 533     | 417     | 525     | 19.89   | cps   |
| Molybdenum | 95-1  | 225     | 117     | 183     | 175     | 31.23   | cps   |
| Molybdenum | 96-1  | 300     | 300     | 325     | 308     | 4.68    | cps   |
| Molybdenum | 97-1  | 142     | 167     | 133     | 147     | 11.79   | cps   |
| Molybdenum | 98-1  | 342     | 425     | 425     | 397     | 12.11   | cps   |
| Neodymium  | 150-1 | 13      | 20      | 13      | 16      | 24.76   | cps   |
| Neodymium  | 150-2 | 3       | 3       | 0       | 2       | 86.60   | cps   |
| Nickel     | 60-2  | 543     | 570     | 490     | 534     | 7.62    | cps   |
| Phosphorus | 31-2  | 2459    | 2625    | 2617    | 2567    | 3.66    | cps   |
| Potassium  | 39-2  | 90877   | 88387   | 90543   | 89936   | 1.50    | cps   |
| Rhodium    | 103-1 | 7244048 | 7223205 | 7169192 | 7212148 | 0.54    | cps   |
| Rhodium    | 103-2 | 3285199 | 3327007 | 3356635 | 3322947 | 1.08    | cps   |
| Scandium   | 45-1  | 4905688 | 4860187 | 4887937 | 4884604 | 0.47    | cps   |
| Scandium   | 45-2  | 234240  | 234315  | 234998  | 234518  | 0.18    | cps   |
| Selenium   | 77-2  | 3       | 0       | 0       | 1       | 173.21  | cps   |
| Selenium   | 78-2  | 43      | 41      | 63      | 49      | 25.28   | cps   |
| Selenium   | 82-1  | -42     | 15      | 17      | -4      | -949.05 | cps   |
| Silicon    | 28-1  | 3755814 | 3763009 | 3813637 | 3777487 | 0.83    | cps   |
| Silver     | 109-1 | 175     | 208     | 217     | 200     | 11.02   | cps   |
| Silver     | 107-1 | 292     | 217     | 200     | 236     | 20.68   | cps   |
| Sodium     | 23-2  | 2949367 | 2938208 | 2909490 | 2932355 | 0.70    | cps   |
| Strontium  | 86-1  | 39071   | 38636   | 39121   | 38943   | 0.68    | cps   |
| Strontium  | 88-1  | 335427  | 338681  | 335263  | 336457  | 0.57    | cps   |
| Sulfur     | 34-1  | 354931  | 352738  | 355545  | 354405  | 0.42    | cps   |
| Terbium    | 159-1 | 9590872 | 9565106 | 9536998 | 9564325 | 0.28    | cps   |
| Terbium    | 159-2 | 4210005 | 4216743 | 4267426 | 4231391 | 0.74    | cps   |
| Thallium   | 203-1 | 125     | 58      | 108     | 97      | 35.68   | cps   |
| Thallium   | 205-1 | 233     | 225     | 150     | 203     | 22.63   | cps   |
| Tin        | 118-1 | 650     | 683     | 592     | 642     | 7.23    | cps   |
| Titanium   | 47-1  | 433     | 433     | 475     | 447     | 5.38    | cps   |
| Uranium    | 238-1 | 200     | 125     | 275     | 200     | 37.50   | cps   |
| Vanadium   | 51-2  | 153     | 147     | 150     | 150     | 2.22    | cps   |
| Yttrium    | 89-1  | 8028552 | 8022425 | 7981188 | 8010722 | 0.32    | cps   |
| Yttrium    | 89-2  | 1142470 | 1136522 | 1143625 | 1140872 | 0.33    | cps   |
| Zinc       | 66-2  | 11812   | 11902   | 11718   | 11810   | 0.78    | cps   |
| Zirconium  | 90-1  | 1175    | 1283    | 1175    | 1211    | 5.16    | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | I5986-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | XADP-04-GYM-BRG-W2  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:13:39 | DataFile Name :   | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 258  | 267  | 208  | 244     | 12.91  | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV09               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV09               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 16:17:04 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 2880666   | 2903083   | 2923477   | 2902408   | 0.74   | cps   |
| Antimony   | 121-1 | 2924456   | 2933855   | 2950565   | 2936292   | 0.45   | cps   |
| Arsenic    | 75-2  | 118261    | 118097    | 118386    | 118248    | 0.12   | cps   |
| Barium     | 135-1 | 3079965   | 3099966   | 3116353   | 3098761   | 0.59   | cps   |
| Barium     | 137-1 | 5387464   | 5345528   | 5385793   | 5372928   | 0.44   | cps   |
| Beryllium  | 9-1   | 509844    | 513874    | 514606    | 512775    | 0.50   | cps   |
| Bismuth    | 209-1 | 4534855   | 4528293   | 4545964   | 4536371   | 0.20   | cps   |
| Bismuth    | 209-2 | 2821746   | 2840039   | 2881142   | 2847642   | 1.07   | cps   |
| Boron      | 10-1  | 67426     | 69326     | 70473     | 69075     | 2.23   | cps   |
| Boron      | 11-1  | 333115    | 341595    | 350978    | 341896    | 2.61   | cps   |
| Cadmium    | 111-1 | 646999    | 650600    | 658284    | 651961    | 0.88   | cps   |
| Cadmium    | 106-1 | 71648     | 70844     | 71523     | 71339     | 0.61   | cps   |
| Cadmium    | 108-1 | 48061     | 47191     | 47087     | 47446     | 1.13   | cps   |
| Calcium    | 43-1  | 4119954   | 4170184   | 4165582   | 4151906   | 0.67   | cps   |
| Calcium    | 44-1  | 66337799  | 65995608  | 67581166  | 66638191  | 1.25   | cps   |
| Chromium   | 52-2  | 996524    | 991316    | 998055    | 995299    | 0.35   | cps   |
| Cobalt     | 59-2  | 1430492   | 1430281   | 1442206   | 1434327   | 0.48   | cps   |
| Copper     | 63-2  | 1968125   | 1999961   | 2007206   | 1991764   | 1.04   | cps   |
| Dysprosium | 156-1 | 75        | 50        | 83        | 69        | 24.98  | cps   |
| Dysprosium | 156-2 | 23        | 23        | 37        | 28        | 27.73  | cps   |
| Erbium     | 164-1 | 33        | 58        | 42        | 44        | 28.65  | cps   |
| Erbium     | 164-2 | 27        | 10        | 10        | 16        | 61.87  | cps   |
| Gadolinium | 160-1 | 117       | 50        | 92        | 86        | 39.11  | cps   |
| Gadolinium | 160-2 | 70        | 63        | 57        | 63        | 10.52  | cps   |
| Holmium    | 165-1 | 8483346   | 8416813   | 8694254   | 8531471   | 1.70   | cps   |
| Holmium    | 165-2 | 3949914   | 3997557   | 4001264   | 3982911   | 0.72   | cps   |
| Indium     | 115-1 | 6644570   | 6579469   | 6734353   | 6652797   | 1.17   | cps   |
| Indium     | 115-2 | 1270712   | 1272935   | 1287606   | 1277084   | 0.72   | cps   |
| Iron       | 56-2  | 173640226 | 173742976 | 174415598 | 173932934 | 0.24   | cps   |
| Iron       | 57-2  | 4522436   | 4515532   | 4512607   | 4516858   | 0.11   | cps   |
| Lead       | 206-1 | 1867463   | 1866041   | 1862088   | 1865197   | 0.15   | cps   |
| Lead       | 207-1 | 1697157   | 1708005   | 1704391   | 1703184   | 0.32   | cps   |
| Lead       | 208-1 | 7505250   | 7676808   | 7662763   | 7614940   | 1.25   | cps   |
| Lithium    | 6-1   | 1038892   | 1030090   | 1046684   | 1038555   | 0.80   | cps   |
| Magnesium  | 24-2  | 35387964  | 35538933  | 35420907  | 35449268  | 0.22   | cps   |
| Manganese  | 55-2  | 1013755   | 1009691   | 1011264   | 1011570   | 0.20   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV09               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV09               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 16:17:04 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 2599188  | 2612284  | 2641956  | 2617809  | 0.84   | cps   |
| Molybdenum | 95-1  | 1432081  | 1425164  | 1443455  | 1433567  | 0.64   | cps   |
| Molybdenum | 96-1  | 1837705  | 1828629  | 1850554  | 1838962  | 0.60   | cps   |
| Molybdenum | 97-1  | 902135   | 894763   | 899130   | 898676   | 0.41   | cps   |
| Molybdenum | 98-1  | 2300632  | 2296232  | 2291373  | 2296079  | 0.20   | cps   |
| Neodymium  | 150-1 | 147      | 80       | 107      | 111      | 30.20  | cps   |
| Neodymium  | 150-2 | 13       | 7        | 23       | 14       | 58.06  | cps   |
| Nickel     | 60-2  | 390638   | 399500   | 396821   | 395653   | 1.15   | cps   |
| Phosphorus | 31-2  | 38609    | 37673    | 36913    | 37732    | 2.25   | cps   |
| Potassium  | 39-2  | 16038921 | 16183286 | 16160667 | 16127625 | 0.48   | cps   |
| Rhodium    | 103-1 | 6264826  | 6248560  | 6304242  | 6272543  | 0.46   | cps   |
| Rhodium    | 103-2 | 2950058  | 3001803  | 3025160  | 2992340  | 1.28   | cps   |
| Scandium   | 45-1  | 4560893  | 4498767  | 4612787  | 4557482  | 1.25   | cps   |
| Scandium   | 45-2  | 228262   | 226309   | 229979   | 228183   | 0.80   | cps   |
| Selenium   | 77-2  | 2150     | 2087     | 2074     | 2104     | 1.95   | cps   |
| Selenium   | 78-2  | 7109     | 7424     | 7471     | 7335     | 2.68   | cps   |
| Selenium   | 82-1  | 46128    | 45706    | 46568    | 46134    | 0.93   | cps   |
| Silicon    | 28-1  | 2060440  | 2085131  | 2096558  | 2080709  | 0.89   | cps   |
| Silver     | 109-1 | 2946556  | 2972347  | 2966686  | 2961863  | 0.46   | cps   |
| Silver     | 107-1 | 3098701  | 3110327  | 3081414  | 3096814  | 0.47   | cps   |
| Sodium     | 23-2  | 68333556 | 69392466 | 68644314 | 68790112 | 0.79   | cps   |
| Strontium  | 86-1  | 863102   | 865138   | 874226   | 867489   | 0.68   | cps   |
| Strontium  | 88-1  | 7529064  | 7485212  | 7465197  | 7493158  | 0.44   | cps   |
| Sulfur     | 34-1  | 611718   | 621595   | 623429   | 618914   | 1.02   | cps   |
| Terbium    | 159-1 | 8880049  | 8884175  | 8855225  | 8873149  | 0.18   | cps   |
| Terbium    | 159-2 | 3938371  | 3955500  | 3898947  | 3930940  | 0.74   | cps   |
| Thallium   | 203-1 | 2268874  | 2275763  | 2286531  | 2277056  | 0.39   | cps   |
| Thallium   | 205-1 | 5384648  | 5391507  | 5512436  | 5429530  | 1.32   | cps   |
| Tin        | 118-1 | 2139978  | 2149377  | 2157683  | 2149012  | 0.41   | cps   |
| Titanium   | 47-1  | 409104   | 411459   | 417770   | 412778   | 1.09   | cps   |
| Uranium    | 238-1 | 8146662  | 8071492  | 8099483  | 8105879  | 0.47   | cps   |
| Vanadium   | 51-2  | 789067   | 785534   | 787514   | 787372   | 0.22   | cps   |
| Yttrium    | 89-1  | 7376236  | 7238865  | 7423009  | 7346037  | 1.30   | cps   |
| Yttrium    | 89-2  | 1089247  | 1110883  | 1111277  | 1103803  | 1.14   | cps   |
| Zinc       | 66-2  | 283802   | 281459   | 284345   | 283202   | 0.54   | cps   |
| Zirconium  | 90-1  | 4984993  | 4981709  | 5015564  | 4994089  | 0.37   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB91015             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV09               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV09               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-10-21 16:17:04 | DataFile Name :   | 028CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1102448 | 1104362 | 1109890 | 1105567 | 0.35   | cps   |



LB Number : LB91015 Operator : Jaswal  
 Lab Sample ID : CCB09 Instrumnet Name : P7  
 Client Sample ID : CCB09 Dilution Factor : 1  
 Date & Time Acquired :: 2017-10-21 16:20:27 DataFile Name : 029CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 100     | 167     | 108     | 125     | 29.06  | cps   |
| Antimony   | 121-1 | 8311    | 7969    | 7569    | 7950    | 4.67   | cps   |
| Arsenic    | 75-2  | 31      | 41      | 31      | 35      | 15.47  | cps   |
| Barium     | 135-1 | 67      | 92      | 92      | 83      | 17.32  | cps   |
| Barium     | 137-1 | 125     | 133     | 108     | 122     | 10.41  | cps   |
| Beryllium  | 9-1   | 167     | 167     | 139     | 157     | 10.19  | cps   |
| Bismuth    | 209-1 | 4871415 | 4833984 | 4984188 | 4896529 | 1.60   | cps   |
| Bismuth    | 209-2 | 3009377 | 2980881 | 3020111 | 3003456 | 0.68   | cps   |
| Boron      | 10-1  | 1984    | 2025    | 1834    | 1947    | 5.18   | cps   |
| Boron      | 11-1  | 10646   | 9862    | 8253    | 9587    | 12.73  | cps   |
| Cadmium    | 111-1 | 1439    | 1276    | 1321    | 1345    | 6.27   | cps   |
| Cadmium    | 106-1 | 2000    | 1725    | 1842    | 1856    | 7.44   | cps   |
| Cadmium    | 108-1 | 4       | 4       | 8       | 6       | 43.22  | cps   |
| Calcium    | 43-1  | 408     | 408     | 450     | 422     | 5.70   | cps   |
| Calcium    | 44-1  | 44192   | 42663   | 42763   | 43206   | 1.98   | cps   |
| Chromium   | 52-2  | 1223    | 1220    | 1183    | 1209    | 1.84   | cps   |
| Cobalt     | 59-2  | 130     | 140     | 137     | 136     | 3.76   | cps   |
| Copper     | 63-2  | 1050    | 1003    | 1020    | 1024    | 2.31   | cps   |
| Dysprosium | 156-1 | 17      | 17      | 8       | 14      | 34.67  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 25      | 33      | 8       | 22      | 57.29  | cps   |
| Erbium     | 164-2 | 17      | 17      | 0       | 11      | 86.60  | cps   |
| Gadolinium | 160-1 | 50      | 58      | 33      | 47      | 26.97  | cps   |
| Gadolinium | 160-2 | 57      | 50      | 53      | 53      | 6.25   | cps   |
| Holmium    | 165-1 | 8671620 | 8669613 | 8920205 | 8753813 | 1.65   | cps   |
| Holmium    | 165-2 | 4122318 | 4055923 | 4023257 | 4067166 | 1.24   | cps   |
| Indium     | 115-1 | 7162351 | 7095723 | 7188909 | 7148994 | 0.67   | cps   |
| Indium     | 115-2 | 1330404 | 1325830 | 1329565 | 1328600 | 0.18   | cps   |
| Iron       | 56-2  | 10220   | 10170   | 10270   | 10220   | 0.49   | cps   |
| Iron       | 57-2  | 417     | 378     | 328     | 374     | 11.91  | cps   |
| Lead       | 206-1 | 1028    | 1011    | 1045    | 1028    | 1.62   | cps   |
| Lead       | 207-1 | 967     | 895     | 828     | 896     | 7.75   | cps   |
| Lead       | 208-1 | 4367    | 4017    | 3923    | 4102    | 5.71   | cps   |
| Lithium    | 6-1   | 1086736 | 1095096 | 1105105 | 1095646 | 0.84   | cps   |
| Magnesium  | 24-2  | 1142    | 1250    | 983     | 1125    | 11.92  | cps   |
| Manganese  | 55-2  | 93      | 140     | 100     | 111     | 22.71  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB09               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB09               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:20:27 | DataFile Name :   | 029CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 94-1  | 1100    | 1108    | 1267    | 1158    | 8.11   | cps   |
| Molybdenum | 95-1  | 933     | 942     | 883     | 920     | 3.43   | cps   |
| Molybdenum | 96-1  | 1050    | 1142    | 1000    | 1064    | 6.75   | cps   |
| Molybdenum | 97-1  | 542     | 617     | 558     | 572     | 6.88   | cps   |
| Molybdenum | 98-1  | 1517    | 1492    | 1217    | 1408    | 11.82  | cps   |
| Neodymium  | 150-1 | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Neodymium  | 150-2 | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Nickel     | 60-2  | 67      | 110     | 107     | 94      | 25.53  | cps   |
| Phosphorus | 31-2  | 75      | 50      | 108     | 78      | 37.63  | cps   |
| Potassium  | 39-2  | 31108   | 29288   | 29071   | 29822   | 3.75   | cps   |
| Rhodium    | 103-1 | 6928693 | 6877307 | 7010863 | 6938954 | 0.97   | cps   |
| Rhodium    | 103-2 | 3198487 | 3217534 | 3212800 | 3209607 | 0.31   | cps   |
| Scandium   | 45-1  | 4744784 | 4680269 | 4791607 | 4738887 | 1.18   | cps   |
| Scandium   | 45-2  | 230679  | 228104  | 231301  | 230028  | 0.74   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 57      | 67      | 63      | 62      | 7.47   | cps   |
| Selenium   | 82-1  | 98      | 7       | 48      | 51      | 90.14  | cps   |
| Silicon    | 28-1  | 291659  | 290037  | 289494  | 290397  | 0.39   | cps   |
| Silver     | 109-1 | 267     | 150     | 167     | 194     | 32.45  | cps   |
| Silver     | 107-1 | 225     | 242     | 258     | 242     | 6.90   | cps   |
| Sodium     | 23-2  | 30691   | 30565   | 30674   | 30643   | 0.22   | cps   |
| Strontium  | 86-1  | 525     | 467     | 467     | 486     | 6.93   | cps   |
| Strontium  | 88-1  | 367     | 308     | 292     | 322     | 12.22  | cps   |
| Sulfur     | 34-1  | 355096  | 350060  | 348380  | 351179  | 1.00   | cps   |
| Terbium    | 159-1 | 9080445 | 9068722 | 9029413 | 9059527 | 0.30   | cps   |
| Terbium    | 159-2 | 4051439 | 4059939 | 4059168 | 4056849 | 0.12   | cps   |
| Thallium   | 203-1 | 792     | 667     | 608     | 689     | 13.60  | cps   |
| Thallium   | 205-1 | 1942    | 1567    | 1367    | 1625    | 17.96  | cps   |
| Tin        | 118-1 | 1909    | 2050    | 2175    | 2045    | 6.53   | cps   |
| Titanium   | 47-1  | 117     | 133     | 83      | 111     | 22.91  | cps   |
| Uranium    | 238-1 | 275     | 308     | 292     | 292     | 5.71   | cps   |
| Vanadium   | 51-2  | 40      | 33      | 13      | 29      | 48.05  | cps   |
| Yttrium    | 89-1  | 7700436 | 7694701 | 7790910 | 7728682 | 0.70   | cps   |
| Yttrium    | 89-2  | 1106029 | 1104975 | 1104028 | 1105010 | 0.09   | cps   |
| Zinc       | 66-2  | 173     | 207     | 193     | 191     | 8.78   | cps   |
| Zirconium  | 90-1  | 1850    | 1734    | 1600    | 1728    | 7.24   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB91015             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB09               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB09               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-10-21 16:20:27 | DataFile Name :   | 029CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 408  | 417  | 342  | 389     | 10.57  | cps   |